



54th Annual North
American Meeting
February 4-7, 2026
Philadelphia, USA



NEUROPSYCHOLOGY
In the Age of
INNOVATION

Wednesday February 4

Salon E	Salon I	Salon K	Salon B	Salon D	Franklin Hall B
	8:45–10:45 AM Workshop 1: Nasrallah et al. PET Brain Imaging in Neurodegenerative Disease	8:45–10:45 AM Workshop 2: Schretlen Mild TBI for Clinical & Forensic NP Exams	8:45–10:45 AM Workshop 3: Winegardner & Salas Neuropsychological Formulation in Brain Injury Rehab		
	11:00–12:00 INS Business Meeting	11:00–12:00 NeuroCOVID SIG			
	12:15–2:15 Workshop 4: Dubroff & Li Advanced PET Brain Imaging	12:15–2:15 Workshop 5: Brown Demystifying AI	12:15–2:15 Workshop 6: Olofsson Sense of Smell and its Relevance to Neuropsychology		
2:30–4:00 Invited Symposium 1: Diaz-Santos et al. Protecting Science, Promoting Brain Health	2:30–4:00 Symposium 1 Sullivan-Baca - Female advantage in verbal memory	2:30–4:00 Symposium 2 Papp - From paper to pixel	2:30–4:00 Paper 1 Pediatric Brain Disorders	2:30–4:00 Paper 2 Performance Validity Across Populations	2:00–4:30 Exhibitor Hours
4:00–4:15 COFFEE BREAK IN FRANKLIN HALL B					
4:15–4:30 Welcome Address					
4:30–5:30 Plenary A: Calhoun Capstone Lecture: Neuroimaging in the Age of Innovation					
5:30–6:30 Awards Ceremony					
6:30–8:00 WELCOME RECEPTION IN THE GRAND BALLROOM FOYER					

Thursday February 5

Salon E	Salon I	Salon K	Salon B	Salon D	Franklin Hall B
	7:00-7:20 Breakfast (CE ONLY) 7:20–8:50 Workshop 7: Spencer Beyond "90% specificity"	7:00-7:20 Breakfast (CE ONLY) 7:20–8:50 Workshop 8: Kanaan Update on Blood-based Biomarkers for AD			
9:00–10:30 Invited Symposium 2: Harvey et al. Digital Phenotyping	9:00–10:30 Symposium 3 Heindel - Cognitive reserve from life course perspective	9:00–10:30 Symposium 4 Gujral - Behavioral interventions to promote resilience	8:00–8:50 WINDS SIG	8:00–8:50 NP Intervention SIG	8:30–10:45 Exhibitor Hours
10:30–10:45 COFFEE BREAK IN FRANKLIN HALL B					
10:45–11:40 Plenary B: Ojeda INS Presidential Lecture: Cognitive Deficits in Schizophrenia					
11:45–12:35 Remembering Bob Bilder	11:45–12:35 Dementia SIG	11:45–12:35 Oncology SIG	11:45–12:35 Sports SIG	11:45–12:35 BITSY SIG	
12:45–2:10 Senior Career Awards Panel Stern, Schagen, Trexler	12:45–2:10 Symposium 5 Edmonds - Obj. indicators of early cognitive decline in AD	12:45–2:10 Paper 5 Neural and Psychosocial Correlates of Aging	12:45–2:10 Paper 6 Data-Driven Approaches to Brain and Behavior	12:45–2:10 SLC Workshop: Collaboration in Neuropsychology	12:45–2:00 Poster 3 Neurodegeneration: Aging, AD, and Motor Disorders
2:15–3:45 Early to Mid-Career Awards Panel Finley, Thomas, McClintock	2:15–3:45 Paper 7 Neurostimulation and Cognitive Rehabilitation	2:15–3:45 Paper 8 Aphasia & Related Dementias	2:15–3:45 Paper 9 Early Influences on Cognitive Development	2:15–3:45 Symposium 6 Wyllie - Fatigue in health and disease	2:30–3:45 Poster 4 Cognitive Aging, MCI, and Dementia
3:45–4:00 COFFEE BREAK IN FRANKLIN HALL B					
4:00–5:25 Invited Symposium 3: Hampstead et al. Transcranial Direct Current Stimulation	4:00–5:25 Symposium 7 Buchholz - Functional cognitive disorder	4:00–5:25 Paper 10 Mobile and Online Cognitive Testing	4:00–5:25 Paper 11 Cognitive Trajectories and Disease Risk	4:00–5:25 Symposium 8 Ryman - Vascular dysfunction and dementia	4:15–5:25 Poster 5 Brain Injury, Neurological Disease, and Disorders of Consciousness
5:30–6:30 Plenary C: Rizzo Clinical Virtual Reality					
7:00–9:00 Trainee Social: Franklin Hall 1-2					

INS ▶ 2026

➤ PHILADELPHIA | FEB 4-7

Friday February 6

Salon E	Salon I	Salon K	Salon B	Salon D	Franklin Hall B
	7:00-7:20 Breakfast (CE ONLY) 7:20-8:50 Workshop 9: Miron Neuromodulation for Major Depression	7:00-7:20 Breakfast (CE ONLY) 7:20-8:50 Workshop 10: Dutt, Judd, Evans Bridging Culture and Cognition			7:30-9:00 (Franklin 1-2) Annual Mentoring Event Chat with mentors about a variety of topics
9:00-10:00 Plenary D: Rivera Mindt Community-Engaged Research					9:30-12:45
10:00-10:15 COFFEE BREAK IN FRANKLIN HALL B					
10:15-11:40 Invited Symposium 4: Women Leaders	10:15-11:40 Symposium 9 Reyes - Rethinking demog norms: culture/context	10:15-11:40 Paper 12 Assessment and Outcomes in Neurodevelopmental Disorders	10:15-11:40 Paper 13 Cognitive and Emotional Processes in the Brain	10:15-11:40 Paper 14 Real World Activity and Cognitive Health	10:00-11:15 Poster 6 Assessment & Psychometrics Exhibitor Hours
11:45-12:45 Plenary E: Sliwinski Measuring a Moving Target					
12:45-1:35 Celebrating Marcel Kinsbourne	12:45-1:35 Brain Injury SIG	12:45-1:35 Cultural SIG	12:45-1:35 Social SIG	12:45-1:35 TeleNP SIG	
1:45-3:15 Symposium 10 Ignacio - TBI and stress response adolescence to adulthood	1:45-3:15 Symposium 11 Raskin - Advances in neuropsychological interventions	1:45-3:15 Symposium 12 Lee - Probs in adults with ID & other devel disabilities	1:45-3:15 Paper 15 Next-Generation Cognitive Testing	1:45-3:15 SLC Panel Advocacy and Leadership in Neuropsychology	1:45-3:00 Poster 7 Medical, Psychiatric, and Systemic Conditions Exhibitor Hours
3:15-3:30 COFFEE BREAK IN FRANKLIN HALL B					
3:30-4:55 Invited Symposium 5: Kramer et al. Keeping the Main Thing the Main Thing	3:30-4:55 Symposium 13 Holmqvist - Validating digital neuropsych assess	3:30-4:55 Paper 16 Neighborhood Disadvantage and Brain Health	3:30-4:55 Paper 17 Advances in Brain Imaging and Connectivity	3:30-4:55 Symposium 14 Ng - Gene-brain-behavior relations in rare developmental disorders	3:15-4:30 Poster 8 Brain Health Across the Lifespan
5:00-6:00 Plenary F: Kamath Olfactory Assessment in Neuropsychology					

Saturday February 7

Salon E	Salon I	Salon K	Salon B	Salon D	Franklin Hall B
	7:00-7:20 Breakfast (CE ONLY) 7:20-8:50 Workshop 11: Badaly Supporting Executive Dysfunction	7:00-7:20 Breakfast (CE ONLY) 7:20-8:50 Workshop 12: Benitez Cannabis and Cognition in Aging			8:30-12:45 Exhibitor Hours
9:00-10:25 Invited Symposium 6: Beauchamp et al. (SIG Selection) Social Cognition	9:00-10:25 Symposium 15 Williamson - Autonomic responses to trauma	9:00-10:25 Symposium 16 Dawson - Outcomes of XRT for brain tumors across the lifespan	9:00-10:25 Paper 18 Plasma Biomarkers in Aging and Disease	9:00-10:25 Paper 19 Sex and Gender Differences in Brain Health	9:00-10:15 Poster 9 Developmental Disorders and Pediatrics
10:30-11:30 Plenary G: Pascual Leone Personalized Precision Neuromodulation					
11:30-11:45 COFFEE BREAK IN FRANKLIN HALL B					
11:45-1:15 Symposium 17 Murdaugh - Increasing access to neuropsych assess & intervention for sickle cell disease	11:45-1:15 Symposium 18 Medina - Innovative outreach and AD screening in older Hispanics	11:45-1:15 Paper 20 Risk and Resilience in Cognitive Health	11:45-1:15 Paper 21 Pathophysiology and Impact of Head Trauma	11:45-1:15 Symposium 19 Margolis - Understanding the Person Behind the Epilepsy	11:30-12:45 Poster 10 Late Breaking Research
1:15-1:30 Closing Ceremony					

Table of Contents

Meeting-at-a-glance	2-3
Welcome	5
Program Committee	6
2026 Dublin: INS Mid-Year Meeting	7
Hotel Info	8
Floor Plans	9
Registration Info	10-11
Presenter Instructions	12
General Meeting Info	13
SIG Events & Activities	14-15
Program Highlights	16
Special Events	18
Student Events	19
Exhibitors, Sponsors & Coffee Breaks	20-21
Awards Program & Recipients	22-29
Volunteers	30
Ancillary Meeting Schedule	31
About INS	32
INS Leadership & Committees	33-35
Save the Date: Philadelphia 2026	35
CE Program Information	36
CE Disclosures	37-38
Plenary Addresses	39-45
Invited Symposia	46-50
CE Workshops	51-56
Abstract Publication	57
Preliminary Proceedings & Publication Details	58
Wed Feb 12	58-63
Thu Feb 13	64-103
Fri Feb 14	103-131

Dear INS Family,

On behalf of the Program Committee, we welcome you to the 54th Annual Meeting of the International Neuropsychological Society, being held this year in historic Philadelphia, Pennsylvania. Just a 15-minute walk from the meeting hotel stands Independence Hall, where our founding fathers signed the Declaration of Independence 250 years ago and the Constitution of the United States of America in eleven years later. Notwithstanding the cold front sweeping over us this winter, the very name of Philadelphia identifies it as the City of Brotherly Love, and we welcome all attendees and guests warmly in this spirit. We especially welcome colleagues from outside the United States and North America because you are so central to the professional breadth and scientific vitality of the INS. It is only fitting that as we gather in this historic city we also look to the future, as expressed by the theme of this year's meeting – **"Neuropsychology in the Age of Innovation."**

The etymology and connotations of the word innovation have evolved from its Latin root meaning "restoring" through its negative 16th century connotation of dangerous or forbidden changes to accepted doctrine, to its contemporary meaning of implementing new and improved solutions. Even today, innovation oscillates along this boundary, reflecting the need to balance discovery and invention with cautious reflection. In selecting this theme, our goal was to encourage submissions from scientists in our community who are pushing the boundaries of neuropsychology through novel methodologies, interdisciplinary collaborations, and participatory action research, all while recognizing the scientific history of our discipline.

We are delighted to share that, with more than 1,200 submissions, our community truly embraced this theme. This year's program features seven plenaries, six invited symposia, 19 accepted symposia, 21 paper sessions, and 819 poster presentations. Our plenary speakers were carefully selected for their expertise and experience. This year, Dr. Vince Calhoun will deliver the capstone plenary on developments in multi-modal neuroimaging. Other plenary speakers will share their expertise in virtual reality-based assessment and treatment, the roles of olfaction in disease and diagnosis, ecological momentary assessment, precision neuromodulation, and community-engaged research as a catalyst for innovation. Finally, Dr. Natalia Ojeda will deliver the INS presidential address on cognitive dysfunction and its treatment in schizophrenia.

In selecting invited symposia, we aimed to highlight the creative and diverse ways members of our community are shaping the future of neuropsychology. These symposia span topics from social advocacy to digital phenotyping. This year we are also introducing three new panel presentations designed to foster audience engagement through discussion of questions and topics from attendees. One panel will feature Women Leaders in Neuropsychology. The other two will include discussions with our INS awardees. The aim is to illuminate strategies used by accomplished neuropsychologists at various stages of career development. Our goal is to provide opportunities for attendees—including trainees—to discuss topics or ask questions you have always wanted to ask of successful colleagues who are just ahead of you in your career trajectory. We hope many of you will join us for these dynamic discussions with the very best in our field.

Finally, we want to highlight the extraordinary efforts of our current SIG chairs and their executive committees. INS now boasts 13 Special Interest Groups that represent as many subfields of our discipline. Throughout the year, SIG chairs work diligently to provide programming, professional development opportunities, and support to their members. SIGs play a vital role by organizing symposia, hosting all-members' meetings, and being available to answer questions at the SIG booth. We encourage everyone to engage in SIG activities, and if you are not already a SIG member, to consider joining one or two during this annual meeting.

Thank you again for joining us in Philadelphia. We look forward to an exciting and engaging program!

Ruchika Prakash and David Schretlen,

Co-Chairs, 54th Annual INS Meeting



Ruchika Prakash
Program Co-Chair



David Schretlen
Program Co-Chair

INS 2026 Program Committee



INS President

Natalia Ojeda del Pozo



Program Chair

Ruchika Prakash



Program Chair

David Schretlen



CE Chair

Benjamin Hampstead

Executive Committee Members

Sarah MacPherson
Lena Dobson

Maria Schulteis
Paul Moberg

Julie Bobholz

Program Committee Members

Porrselvi A.P.
Omar Alhassoon
Michael A. Alosco
Kendra Anderson
Peter Anderson
Vicki Anderson
Eleni Aretouli
Peter Arnett
William Barr
Sallie Baxendale
Miriam Beauchamp
Kathleen Bechtold
Jackie Becker
John B Bellone
Ondrej Bezdicek
Louis Bherer
Alex Birdsill
Cady Block
Julie Bobholz
Timothy Brearly
Adam Brickman
Alison Buchholz
Cynthia Burton
Kaitlin Casaletto
Sara Cavaco
Charles Cederberg
Hsin-Te Chang
Yu-Ling Chang
Nancy Chiaravalloti
Derin Cobia
Lucía Crivelli

Lucette A. Cysique
Edward De Haan
Liselotte de Wit
Victor Del Bene
Unai Diaz-Orueta
Ramune Dirvanskiene
Lena Dobson
Vonetta Dotson
Aparna Dutt
Anna Egbert
Jonathan Evans
Rosemary Fama
Thomas Farrer
Jessica Fish
Stephanie Fountain-Zaragoza
Joshua Fox-Fuller
Daryl Fujii
Natalia Gawron
Leslie Gaynor
Mary Gillis
Tania Giovannetti
Jeremy Grant
Duke Han
Laura Hancock
Scott Hayes
Bruce Hermann
Kristen Hoskinson
Lisa Jacobson
Mervi Jehkonen
Lisanne Jenkins
Justin Karr

Matthews Katjene
Elizabeth Kera
Tricia K King
Michael K. Kirkwood
Wolfgang Kringler
Fiona Kumfor
Melissa Lamar
Scott Langenecker
Christian LoBue
Sarah MacPherson
Michelle Madore
Ewa Malinowska
Bernice Marcopulos
Seth Margolis
Esmeralda Matute
Shawn McClintock
Skye McDonald
Dawn Mechanic-Hamilton
Zara Melikyan
Tricia Merkley
Akira Midorikawa
Holly Miskey
Maxime Montembeault
Kyler Mulhauser
Cynthia Munro
Rowena Ng
Chris Nguyen
Anastacia Nichols
Kyle Noll
Christina Palmese
Iris Paltin

Michael P. Parsons
Rochele Paz Fonseca
Suzanne Penna
Kerryn Pike
Anny Reyes
Emma Rhodes
Anthony Risser
David Scarisbrick
Leigh Schrieff-Brown
urvashi shah
Sharon Simon
Beth Slomine
A Campbell Sullivan
Preeti Sunderaraman
Emily Trittschuh
Angela Troyer
Fred Unverzagt
Ryan Van Patten
Leticia Vivas
Ann Watts
jeffrey wefel
Andrea Weinstein
Leah Whitlow
Tricia W Williams
John W Woodard
Steven Paul Woods
Martin Woon
Hikari Yamashita
Cheng-Chang Yang
Keith Yeates
Molly Zimmerman



INS 2026 MID-YEAR MEETING

Neuropsychology Without Limits: Expanding Horizons



Abstract Submission is Open
Submit Your Abstract Today

Registration is Open
Register Today



23 February 2026
Abstract Submission Deadline



1 April 2026
Abstract Notification



28 April 2026
Accepted Authors to Confirm

29 May 2026

Early Bird Registration Deadline



www.insdublin2026.com



22-24 JULY

Official Venue & Headquarter Hotel

The official venue is the **Philadelphia Marriott Downtown**. All events occur at the hotel, making it the preferred lodging choice for most attendees.

Our venue sits in the heart of Center City Philadelphia, just a block from iconic City Hall. From this central spot you can walk to famous local attractions like the historic Reading Terminal Market, the Liberty Bell, and Independence National Historical Park—including Independence Hall—as well as a wide variety of restaurants, shops, nightlife, and cultural destinations.

The hotel offers a range of on-site dining and amenities, and its proximity to transit (including SEPTA stations) makes exploring the rest of the city easy. Whether you're heading to a convention, sightseeing through Philly's rich history, or simply enjoying Center City's vibrant urban energy, its location puts you at the center of it all.

Internet Access

As we face steadily increasing costs, INS is doing everything we can to save attendees money. This year, we are not offering conference wi-fi to our attendees. Please be sure to download any conference materials ahead of time.

To get complimentary internet in your room: book in the INS room block and provide your Marriott Rewards number at check-in.

Enroll for free today—[click here!](#)

On-Site Printing

FedEx Print Shop

On-Site Dining Options

Center City Pantry

Liberty Lanes

THIRTEEN Restaurant

Circ Bar



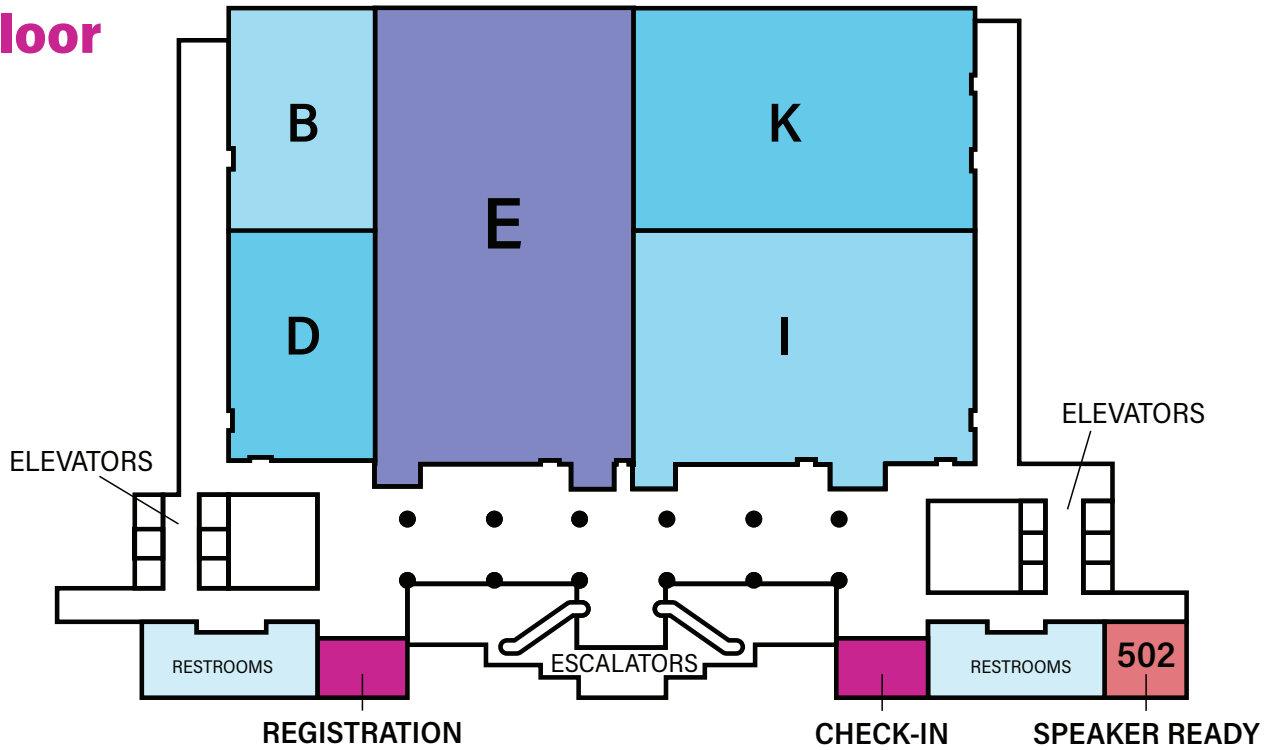
Philadelphia Marriott Downtown

1201 Market Street, 1200 Filbert St,
Philadelphia, PA 19107
Phone: +1 215-625-2900

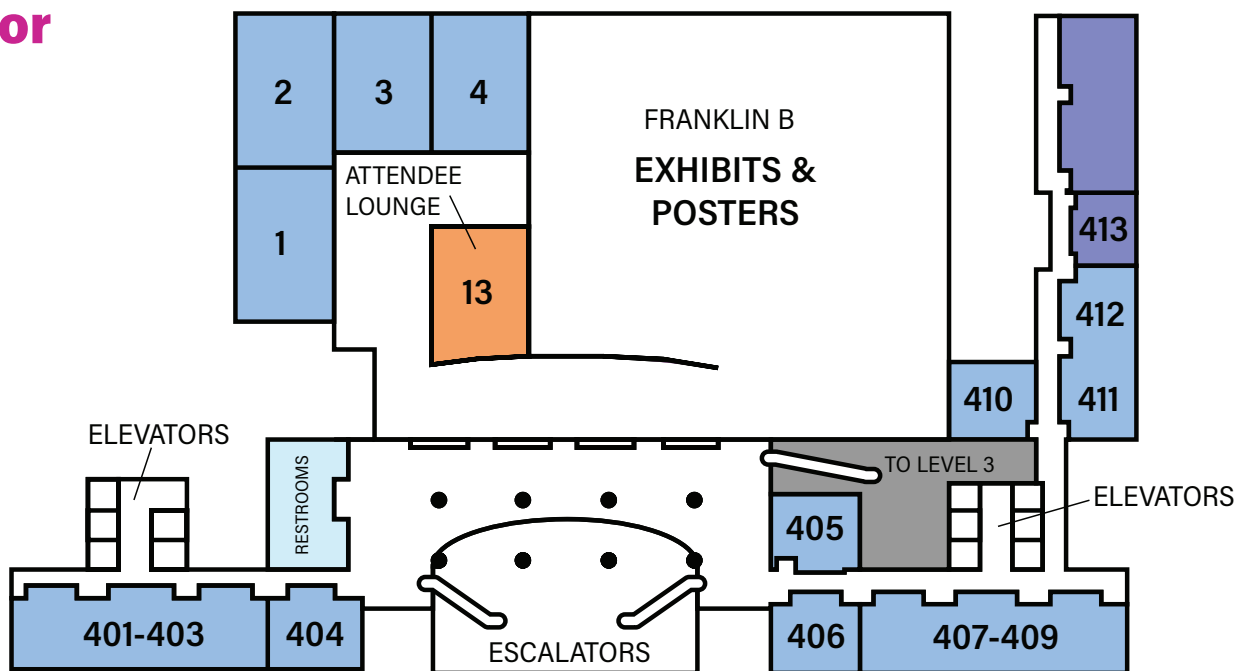
<https://www.marriott.com/en-us/hotels/phldt-philadelphia-marriott-downtown/overview/>

Hotel Floor Plans

5th Floor



4th Floor



Registration Information

When You Arrive

Upon your arrival at the hotel, please visit the **INS Check-In Desk** on Level 5 of the Philadelphia Marriott Downtown, to check-in and obtain your badge and materials.

If you still need to register on-site, visit us at the **Registration Desk**, where you can also add or change CE courses, purchase add-ons and continuing education options, have your badge reprinted, or pick up a CE pass.

INS Desk Hours

Tue Feb 3: 3-6pm
Wed Feb 4: 8am-12:30pm, 1-5pm
Thu Feb 5: 7am-12pm, 12:30-5:30pm
Fri Feb 6: 7am-12pm, 12:30-5pm
Sat Feb 7: 7am-1pm

Self-Service Registration!

You can manage your own registration online!

Create a new registration, or add items to your existing registration. **If you add CE courses, you MUST visit the registration desk to pick up your CE entry pass.**

MODIFY EXISTING

CREATE NEW REGISTRATION

SEARCHABLE MEETING

INS Badge Policy

Your INS badge must be worn at ALL times during the meeting—including all sessions, meetings, and activities that occur on-site.

If you are enrolled in any CE workshops, they will be listed on your badge. A volunteer proctor will check your badge upon entry to the workshop.

Check-In Desk

5th Floor, Grand Ballroom Foyer, Registration II

- Check-in and obtain your badge and materials
- Ask questions or get help
- Turn in a CE attendance slip

Registration Desk

5th Floor, Grand Ballroom Foyer, Registration I

- Add, delete, or swap a CE course
- Have your badge printed (all on-site registrations)
- Reprint a lost or damaged badge
- Add an accompanying person ticket

What is Included in Registration?

The general meeting registration fee includes all **General Sessions**—described below.

Add-ons are NOT included in the general registration fee—see important details below.

Included in General Registration:

GENERAL SESSIONS

General sessions are open to everyone who has paid the **general registration fee**—this includes paper sessions, symposia, poster sessions, and special INS events.

PLENARY SESSIONS & INVITED SYMPOSIA (NOT CE CREDIT)

All attendees are welcome and encouraged to attend our plenary addresses and invited symposia.

IMPORTANT: To receive CE credit for a plenary or invited symposia, **you must complete an attendance slip**, which you can obtain from the volunteer proctor at the door at the start of the session. After you complete the slip, turn it in to the proctor at the end of the session.

You DO NOT need to complete an attendance slip unless you plan to seek CE credit, either now or at a later date. However, we cannot grant CE credit without documentation of your attendance at the full session.

EXHIBIT HALL & SOCIAL EVENTS

Your INS badge allows entry to all official social events at the Annual Meeting, including:

- Daily networking in the Attendee Lounge in **Franklin 13**, and access to **Franklin Hall B**, where all poster sessions, coffee breaks, and Exhibitors are located
- The Welcome Reception on Wednesday evening

ANCILLARY MEETINGS & EVENTS

Registered attendees can participate in ancillary meetings that occur throughout the INS meeting. See the full ancillary schedule later in this book.

Please Note: Many ancillary events are invitation-only. **All ancillary events must be arranged in advance through INS.**

Not Included (Add-Ons):

CE WORKSHOPS

To attend workshops, you must pre-register and pay an additional registration fee. Only pre-registered participants are admitted to workshops.

CE workshops may be added up to 24 hours before each workshop (space permitting).

To add, edit, or delete CE options, please visit the INS registration desk.

Volunteer proctors will distribute attendance slips at the door to verify pre-registration and document CE attendance.

For more information about the INS CE program, [click here to go to page 36](#).

When you register for CE options, you will receive links to the handouts for that session. We highly recommend you download and/or print handouts in advance because of anticipated high bandwidth usage during the meeting.

Handout links will be emailed approximately one week before the meeting. If you enroll in a CE course on-site, you will receive a slip with instructions.

OPTIONAL CE CREDIT FOR PLENARY SESSIONS & INVITED SYMPOSIA

Optional CE credit is available for each plenary and invited symposium.

To receive optional CE credit, attendees must:

- Pay an additional registration fee*
- Submit an attendance slip

*This fee may be paid before the session or after the meeting is over; visit the INS website to add optional credit(s) after the meeting is over. Your attendance must be documented to add sessions.

We also plan to offer many of our meeting CEs as on-demand courses after the meeting is over!

Presenter Instructions

The Speaker Ready Room is located in **Room 502** on the 5th Floor. A technician will be available during posted hours to assist speakers.

Speaker Ready Room Hours

Tue Feb 3:	3-6PM
Wed Feb 4:	8am-12:30pm, 1:30-5pm
Thu Feb 5:	7-11am, 12-5:30pm
Fri Feb 6:	7-11:30am, 12:30-5pm
Sat Feb 7:	7am-12pm

Presentation Files

Speakers were emailed a link to upload their slides directly to our content management system. Please let us know if you did not receive the email.

Speaker Ready Room

ALL SPEAKERS MUST check in at the Speaker Ready Room no less than 24 hours prior to your session start time. This is to check your presentation on our equipment (speakers are not permitted to use their own devices) and ensure you uploaded your file correctly.

General Guidelines

Presenters are not permitted to use their own computers or devices. In each lecture hall, presenters will have access to a laptop, mouse, laser pointer, and microphone.

Paper Presenters

Please visit the Speaker Ready Room as noted above.

Most paper sessions are 85-90 minutes in length and consist of six individual presentations. Most paper presenters will have 12-14 minutes to present their paper (including their introduction by the session moderator), immediately followed by 2 minutes of Q&A.

Please help the moderator and be respectful of other authors by staying within your allotted time, as each session is under a strict time limitation.

To verify your session length, and exactly when you will be speaking, please [visit the searchable program](#) and find your assigned session. Your time includes your introduction and time for Q&A.

Symposia Presenters

Symposia sessions are 85-90 minutes in length. It is up to the Symposium Chair's discretion to divide the time amongst the individual abstracts, the discussant, and to allow time for audience discussion and questions. Please stay within the time allotted by the Symposium Chair, as each session is under strict time limits.

Poster Symposia Presenters

Please follow the instructions for Poster Presenters.

Poster symposia occur during regular poster sessions, but are grouped together to allow authors to provide a cohesive presentation on their selected topic.

Poster Presenters

Poster sessions are 70-75 minutes and occur in Franklin Hall B. **Please arrive no earlier than 10 minutes before your session to mount your poster.** A volunteer will be available to assist authors as needed.

To find your assigned poster board, [visit the searchable program](#). Your poster number will be displayed under your abstract title. The first half of the number indicates your session, and the second half is your assigned poster board (e.g., P1-125=Poster Session 1, poster board #125).

The presenting author must be present at the poster session and is expected to remain with the poster to entertain questions for the duration of the session. Poster authors are encouraged to bring copies of their abstract or a handout for interested viewers.

Poster PDF Uploads (Optional)

Poster authors may upload a PDF of their poster to the for other attendees to view! Uploads are limited to one-page, PDF format only. Please note, this does NOT replace presenting your physical poster during your session.

To upload a PDF, [go to your author dashboard](#), then click on your poster abstract. You will now see an option to upload a PDF.

To view the Poster Gallery, [go to the meeting app](#), and click on the Poster Gallery icon in the left sidebar. From here, you may search by any term, sort and filter the results, and click on any poster to read the full abstract.

General Meeting Information

Attendee Lounge

The attendee lounge is located in **Franklin 13**. There is no security in this room so please do not leave your personal items.

Attendee Lounge Hours

Wed Feb 4 7 AM–8 PM
Thu Feb 5 7 AM–8 PM
Fri Feb 6 7 AM–8 PM
Sat Feb 7 7 AM–1 PM

Certificates of Attendance

If you need a certificate documenting your attendance, please inquire at the INS Registration Desk, or send an email after the meeting is over to ins@the-ins.org.

Child Care: Camp INS

INS subsidizes the majority of costs for child care for attendees. The cost is \$10 per hour for one child, or \$15 per hour for two children. To register or for more info contact Brittany Ashley at tamingtoddlersllc@gmail.com.

Child Care Hours

Wed Feb 12 8:30 AM–8 PM
Thu Feb 13 7 AM–8 PM
Fri Feb 14 7 AM–8 PM
Sat Feb 5 7 AM–2 PM

Interview Rooms

Rooms designated for candidate interviews are **Rooms 401-404** on the 4th Floor. Please use the on-site message boards to post or check for interviewing opportunities. INS does not coordinate interviews.

Room Availability

Tue Feb 4 7 AM–7 PM
Wed Feb 5 7 AM–7 PM
Thu Feb 6 7 AM–7 PM
Fri Feb 7 7 AM–7 PM

Low Sensory / Quiet Room

Need an escape? Recharge in **Room 307** on the 3rd Floor.

Nursing Mothers Room

A private, locking room is available for nursing mothers during the same hours as the INS registration desk. Please see the INS desk to inquire.

Participant Code of Conduct

All participants (including registered attendees and their guests, speakers, exhibitors, volunteers, staff, and all others) are anticipated to conduct themselves in an appropriate, professional, and respectful manner at all times during the meeting. If an individual is unable to meet these expectations, INS reserves the right to ask them to leave the meeting without reimbursement.

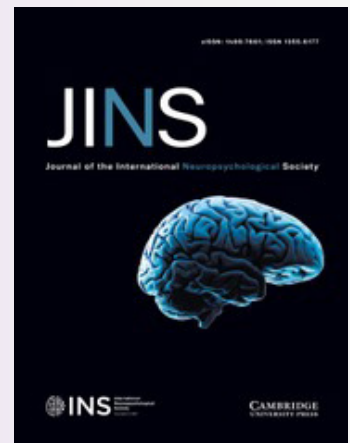
Photography & Alerts

Please mute or switch all cell phones, pagers, and other mobile devices to vibrate mode when entering sessions. Flash photography is always strictly prohibited. Photos and/or other recordings may not be taken in the Exhibit Hall, or of any presentation, without the express, written permission of the presenter(s). Keep an eye out for the roaming, **official INS photographer!** Wise Owl Multimedia will be on-site taking photos.



Published Proceedings

The complete scientific program and abstracts will be published in a supplemental issue of the *Journal of the International Neuropsychological Society: JINS*. All supplemental issues of JINS are freely available online, without a subscription.



INS Special Interest Groups

INS Special Interest Groups (SIGs) have been working tirelessly this past year to organize multiple events in Philadelphia. We encourage both current and new INS members to consider attending these SIG events, where they can connect with smaller communities focusing on specific content areas.

Take advantage of these specialized forums to make meaningful connections, gain exposure to cutting-edge research, and enrich your involvement in the INS community. The SIGs are not just events; they are vibrant communities where like-minded individuals come together to shape the future of neuropsychology.

SIG Members' Meetings

Connect with like-minded individuals at our SIG business meetings throughout the event. Check out the schedule for lively discussions:

Wednesday February 4

NeuroCOVID SIG	11 AM-12 PM	Salon K
----------------	-------------	---------

Thursday February 5

Worldwide Initiative for Neuropsychological Data Sharing (WINDS) SIG	8-8:50 AM	Salon B
--	-----------	---------

Neuropsychological Intervention SIG	8-8:50 AM	Salon D
-------------------------------------	-----------	---------

Dementia SIG	11:45 AM-12:35 PM	Salon I
--------------	-------------------	---------

Oncology SIG	11:45 AM-12:35 PM	Salon K
--------------	-------------------	---------

Sports Neuropsychology SIG	11:45 AM-12:35 PM	Salon B
----------------------------	-------------------	---------

Babies Toddlers & Young Childrens (BITSY) SIG	11:45 AM-12:35 PM	Salon D
---	-------------------	---------

Friday February 6

Brain Injury SIG	12:45-1:35 PM	Salon I
------------------	---------------	---------

Cultural SIG	12:45-1:35 PM	Salon K
--------------	---------------	---------

Social SIG	12:45-1:35 PM	Salon B
------------	---------------	---------

TeleNeuropsychology and Digital Technologies SIG	12:45-1:35 PM	Salon D
--	---------------	---------

Saturday February 7

Epilepsy SIG	8:00-8:50 AM	Salon B
--------------	--------------	---------

SIG CE Workshops

Embark on a journey of knowledge with our SIG-sponsored Continuing Education (CE) workshop.

All workshops require pre-registration.

CE Workshop 10 (Cultural SIG): Mind the Gap: Bridging Culture and Cognition in Neuropsychological Assessment

07:00-08:50 Friday, 6 February, 2026, Salon K (Level 5)

Speakers: Aparna Dutt, Tedd Judd, and Jon Evans

SIG Symposium

Don't miss out on this year's Invited SIG Symposium, carefully selected by the Philadelphia Program Chairs. Included in your general registration!

Invited SIG Symposium 6: Methodological innovative and diversity in the study of social cognition

09:00-10:25 Saturday, 7 February, 2026, Salon E

Chair: Miriam Beauchamp

About the SIGs

INS Special Interest Groups (SIGs) are dedicated to fostering collaboration and knowledge exchange within specialized areas of neuropsychology, and provide a unique platform for professionals and researchers who share common clinical and research interests.

Engaging with SIGs offers a valuable opportunity to delve deeper into discussions in select fields. Whether you are a seasoned member or new to the INS community, joining a SIG enhances your overall conference experience by broadening your professional network

Visit the SIG Table

Don't forget to stop by the SIG table, conveniently located in the **Grand Ballroom Foyer** on the 5th Floor. Grab your ribbons and mingle with our SIG leaders for a dose of inspiration and networking.

Highlighted SIG Abstracts

This year, each SIG had a chance to select outstanding abstract submissions to highlight. Check them out below.

BITSY SIG

- 943. Impact of Prenatal Nicotine Exposure on Infant and Toddler Temperament Markers of Adolescent Risk-Taking Behavior - Paper Session 9
- P9-081. Neurocognitive Outcomes in School-Age Children with Myelomeningocele or Myeloschisis: A Comparison of Fetal and Postnatal Surgical Groups - Poster Session 9

Brain Injury SIG

- P8-028. Randomized Controlled Trial of NeuroResource Facilitation to Reduce Recidivism in Justice-Involved Individuals with Brain Injury: Methods, Baseline Data, and Lessons Learnt - Poster Session 8
- 229. Investigating the Impact of Neighborhood Level Social Determinants of Health on Cognitive Outcomes for Very Young Children Treated for Brain Tumors - Paper Session 16

Cultural SIG

- 658. ASL Linguistic Features when Administering the Boston Naming Test to Bilingual Deaf Emerging Adults - Paper Session 3
- P4-076. Sociocultural Factors Moderate The Relation Between Aging Beliefs and Subjective Cognitive Concerns - Poster Session 4

Dementia SIG

- 800. Cognitive Intraindividual Variability as a Marker of Future Cognitive Decline and Neurodegeneration: A Longitudinal Study of Global Cognition, Hippocampal Atrophy, and White Matter Hyperintensities - Paper Session 11
- P3-046. Sex Differences in Alzheimer's Disease Biomarkers are Evident in Amyloid-Positive Individuals with Objective Subtle Cognitive Difficulties - Poster Session 3

Movement Disorders SIG

- 74. Semantic and phonemic fluency performance following rTMS treatment in Veterans with idiopathic Parkinson's disease vs. atypical parkinsonism - Paper Session 7
- P3-89. Clinical and Demographic Factors Associated with Discrepancies in Cognitive Diagnosis Between the MoCA and Neuropsychological Testing in Patients with Parkinson's Disease - Poster Session 3

Neuropsychological Intervention SIG

- P8-41. Reliable Change in Depressive Symptom Clusters Following Internet-Delivered Cognitive Behavioral Therapy in Multiple Sclerosis - Poster Session 8
- 409. Self-Generated Encoding in Schizophrenia: A Possible Rehabilitation Method - Paper Session 7

Oncology SIG

- P8-056. Reimagining Pediatric Neuropsychology Service Delivery: A Transformative Model for Hospital-Based Care - Poster Session 8
- 229. Investigating the Impact of Neighborhood Level Social Determinants of Health on Cognitive Outcomes for Very Young Children Treated for Brain Tumors - Paper Session 16

Teleneuropsychology SIG

- 297. Test-retest reliability and practice effects within remote administration of the Mobile Toolbox - Paper Session 10
- P8-042. Engagement in Mobile Health: User Interaction Patterns with the FOCUS App for Serious Mental Illness - Poster Session 8

WINDS SIG

- 174. Risk of Bias in the Assessment of Global Cognition and Diagnosis of Cognitive Impairment in Patients with Parkinson's Disease in Latin America - Paper Session 3

Program Highlights

Don't miss our exciting lineup of **Plenary Addresses** and **Invited Symposia**, focusing on research, practice, and professional development topics. All plenaries and invited symposia occur in **Salon E** on the 5th Floor.

HELPFUL TIP: If you decide to add the optional continuing education credit, now or in the future, we must have your attendance documented — be sure to complete an attendance slip. **You do not need to submit an attendance slip if you do not want the optional CE credit.**

WEDNESDAY FEBRUARY 4

2:30-4:00 PM, Invited Symposium 1

**Protecting Science, Promoting Brain Health:
Advocacy Across the Neuropsychological Spectrum**

Chair: Mirella Diaz-Santos, PhD

4:30-5:30 PM, Plenary A: INS Capstone Lecture

Neuroimaging in the Age of Innovation

Vince Calhoun, PhD

THURSDAY FEBRUARY 5

9-10:30 AM, Invited Symposium 2

**Digital Phenotyping as the next Generation Strategy
for Neuropsychological Assessment: Remote
Cognitive Assessment, Active and Passive Digital
Phenotyping and Their Integration and Synergy**

Chair: Philip Harvey, PhD

10:45-11:40 AM, Plenary B: INS Presidential Lecture

**Developments in the Diagnosis and
Treatment of Cognitive Deficits in
Schizophrenia: Past, Present and Future**

Natalia Ojeda del Pozo, PhD

4:00-5:25 PM, Invited Symposium 3

**Current Evidence and Methodological Advances
for Transcranial Direct Current Stimulation**

Chair: Benjamin Hampstead, PhD

5:30-6:30 PM, Plenary C

Clinical Virtual Reality: A Brief Review of the Future

Albert "Skip" Rizzo, PhD

FRIDAY FEBRUARY 6

9:00-10:00 AM, Plenary D

**Redefining the Field: Community-Engaged Research
as a Catalyst for Neuropsychological Innovation**

Mónica Rivera Mindt, PhD

10:15-11:40 AM, Invited Symposium 4

Women Leaders

Natalia Ojeda, INS
Mary Kosmidis, INS
Lisa Cipolotti, FESN
Cristina Martell, AMN

11:45-12:45 PM, Plenary E

**Measuring a Moving Target: Ambulatory Methods
for Capturing Cognitive Change in Daily Life**

Martin Sliwinski, PhD

3:30-4:55 PM, Invited Symposium 5

Keeping the Main Thing the Main Thing

Joel Kramer, PsyD

5:00-6:00 PM, Plenary F

**The Clinical Utility of Olfactory
Assessment in Neuropsychology**

Vidyulata Kamath, PhD, ABPP-CN

SATURDAY FEBRUARY 7

9-10:25 AM, Invited SIG Symposium 6

**Methodological innovative and diversity
in the study of social cognition**

Chair: Miriam Beauchamp, PhD

10:30-11:30 AM, Plenary G

Personalized Precision Neuromodulation

Alvaro Pascual-Leone, MD, PhD



INS

Student Liaison
Committee

Where the world meets

TRAINEE EVENTS

INS 2026 PHILADELPHIA

SCHEDULE

2.4 5:30PM

WED

AWARD CEREMONY

GRAND BALLROOM / SALON E

2.5 12:45PM

THUR

-2:10PM

SLC WORKSHOP:

COLLABORATION IN NEUROPSYCHOLOGY:
FOSTERING CONNECTION & ADVANCEMENTS IN
RESEARCH, ASSESSMENT, & INTERVENTION

INS SIG REPRESENTATIVES:

DEMENTIA - UNAI DIAZ-ORURETA, PHD

BITSY - NATASHA LUDWIG, PHD &

TRISTIN NYMAN-MALLIS, PHD

INTERVENTION - AMANDA WISINGER, PSYD

SALON CD (LEVEL 5)

7:00PM

-9:00PM

SLC TRAINEE SOCIAL

FRANKLIN HALL ROOMS 1-2

2.6 7:30AM

FRI

-9:00AM

GLOBAL MENTORING COMMITTEE:

ANNUAL MENTORING EVENT

REGISTER HERE:

[BUFF.LY/HZWV7HO](https://buff.ly/HZWV7HO)

FRANKLIN HALL ROOMS 1-2

9:00AM

-11:30AM

STOP BY TO MEET YOUR SLC REPS:

COME MEET THE TEAM, ASK QUESTIONS, & LEARN
ABOUT ONGOING INITIATIVES & HOW TO GET INVOLVED
5TH FLOOR FOYER BY CHECK-IN DESK

1:45PM

-3:15PM

SLC PANEL:

PAVING YOUR OWN PATH: ADVOCACY &
LEADERSHIP IN NEUROPSYCHOLOGY

SUBMIT QUESTIONS:

[BUFF.LY/WYLVKAU](https://buff.ly/WYLVKAU)

PANELISTS:

LENA DOBSON, PHD

MAIKO SAKAMOTO, PHD

JENNIFER TINKER, PHD

JOSH FOX-FULLER, PHD

SALON CD (LEVEL 5)

TAG US @INS_SLC ON
SOCIALS!
USE
#INS2026INPHILADELPHIA



INS BUSINESS MEETING

Join us for refreshments and to learn about INS initiatives at the annual INS business meeting on Wednesday from 11:00 AM - 12:00 PM in Salon I.

WELCOME CEREMONY

Program Co-Chairs Ruchika Prakash and David Schretlen will kick off our meeting, with help from INS President Natalia Ojeda and Executive Director Marc Norman, on Wednesday at 4:15 PM in Salon E.

INS AWARDS CEREMONY

Don't miss the **INS Awards Ceremony** on Wednesday at 5:30 PM in Salon E, featuring major INS awards, program awards, student awards, and travel awards.

WEDNESDAY WELCOME RECEPTION

Immediately following the Awards Ceremony, stick around for the **INS Welcome Reception** starting at 6:30 PM in the Grand Ballroom Foyer. Enjoy apps and drinks, and kick off the meeting in style with your friends and colleagues!

REMEMBERING DRS. KINSBOURNE & BILDER

Join us as we gather to honor the memory and lasting impact of Drs. Marcel Kinsbourne and Bob Bilder on Thursday and Friday during the lunch hour.

CLOSING CEREMONY

Join us as we say farewell on Saturday from 1:15-1:30 PM.



INS

International
Neuropsychological
Society

Founded in 1967

Attendees are invited to stroll through the **INS Exhibit Hall**, located in **Franklin Hall B** on the 4th Floor.

Take advantage of discount prices on many journals, books, testing materials, and more, offered especially by our exhibitors for registered INS attendees.

Exhibit Hall Hours:

Wed Feb 4	2-4:30 PM
Thu Feb 5	8:30-10:45 AM, 12:45-5:30 PM
Fri Feb 6	9:30 AM-12:45 PM, 1:45-5 PM
Sat Feb 7	8:30 AM-12:45 PM

COFFEE BREAKS

Wednesday Feb 4

4:00 - 4:15 PM

Thursday Feb 5

10:30-10:45 AM

3:45-4:00 PM

Friday Feb 6

10:00-10:15 AM

3:15-3:30 PM

Saturday Feb 7

11:30-11:45 AM

INS 2026 Philadelphia Exhibitors & Sponsors



Alliant International University
California School
of Professional Psychology

Alliant International University
www.alliant.edu/cspp Booth 4



Asociación
Mexicana de
Neuropsicología A.C.

**Asociación Mexicana
de Neuropsicología**
amneuropsicologia.com Booth 17



BNBA
Boston Neurobehavioral Associates

**Boston Neurobehavioral
Associates**
www.bostonneurobehavioral.com Booths 6-7

BROOKS®
Rehabilitation

Brooks Rehabilitation
brooksrehab.org Booth 21



Cogstate

Cogstate
www.cogstate.com Booth 5



GUILFORD PRESS

Guilford Press
www.guilford.com Booth 20



National Organization for
Disorders of the Corpus Callosum

**National Organization for
Disorders of the Corpus Callosum**
nodcc.org Booth 8



neuroaide

Neuroaide
neuroaide.ai Booth 11



NeuroUX

NeuroUX
www.getneuroux.com Booth 1



**Northwestern Feinberg School
of Medicine / NIH Toolbox**
nihtoolbox.org Booth 2



OSF®
HEALTHCARE

OSF HealthCare
www.osfhealthcare.org Booth 9



OXFORD
UNIVERSITY PRESS

Oxford University Press
corp.oup.com Booth 10



**SOCIETY OF
NUCLEAR MEDICINE &
MOLECULAR IMAGING**

**Society for Nuclear Medicine and
Molecular Imaging (SNMMI)**
www.snmmi.org Sponsor of Workshops 1 & 4



Springer

Springer Nature
www.springer.com Booth 3



HEALTH
UNIVERSITY OF UTAH

University of Utah Health
healthcare.utah.edu Proud Supporter of INS

INS 2026

PHILADELPHIA | FEB 4-7



NEUROPSYCHOLOGY
In the Age of
INNOVATION

International Neuropsychological Society
54th Annual North American Meeting

The International Neuropsychological Society's Awards Program is intended to recognize the many achievements of accomplished INS members.

Awards Ceremony

Please join us in support of your deserving colleagues at the INS Awards Ceremony on **Wednesday, February 4 at 5:30 PM in the Grand Ballroom: Salon E**, where we will honor the recipients of this year's awards.

We wish to thank Christian Salas and the Awards Committee; Program Co-Chairs Ruchika Prakash and David Schretlen; as well as Kendra Pizzonia, Levi Muyela, and the Student Liaison Committee for their invaluable contributions to this meeting.

About the INS Awards Program

Major INS Awards

Major INS Awards are given in recognition of scientific achievement in **Early Career**, **Mid-Career**, or for a **Lifetime of Achievement** in research, education or service in the field of neuropsychology.

The **INS Distinguished Career Award** may be given to recognize those individuals who have enjoyed extended careers and who have made major, sustained contributions to the field of neuropsychology and the Society.

The **Career Mentoring Award** is given to recognize mentoring and teaching activities that have profoundly impacted the careers of students in the field of neuropsychology.

INS Program Awards

INS Program Awards are selected by the Program Committee to recognize the most outstanding scientific contributions.

Annual Meeting program awards include the **Graduate Student Research Award** and the **Memory Disorders Research Award**.

INS Student Research Awards

In conjunction with the Program and Awards Committees, the INS Student Liaison Committee recognizes an additional five students for their meritorious abstract submissions through the selection of the **SLC Student Research Awards**.

INS Conference Travel Awards

The **INS Conference Travel Grant Awards** aim to support attendance at the Annual Meeting by INS members from low and middle income countries who are conducting excellent research.

Nominations & Eligibility for the INS Awards Program

To inquire about award nominations, please visit the-ins.org/ins-awards, or email ins@the-ins.org.

Nominations for Major INS Awards

The INS Awards Committee accepts nominations annually from INS members for major INS Awards, including Career or Lifetime Awards, and the Career Mentoring Award. Nominations are welcome at any time, but must be submitted by certain dates in order to be considered for an award at specific upcoming meetings.

Winners are selected by the Awards Committee, according to posted criteria, with approval from the INS Governing Board.

Eligibility for INS Program Awards

All abstracts that are submitted to INS Meetings are screened and considered for eligible Program Awards.

Eligibility for INS Travel Grant Awards

INS Conference Travel Grants are awarded to students/trainees and early career INS Members from low or middle income countries as defined by the World Bank who are presenting at INS. Award winners are chosen based on application submission and the quality of their submitted abstract(s).

Applications are typically due in October, prior to the Annual Meeting.

INS Awards Committee

The INS Awards Committee was created to recommend current and past members to the Board of Governors for the purpose of recognition of outstanding achievement in areas related to Neuropsychology.

Christian Salas has served as Chair of the INS Awards Committee since 2021.

Previous INS Award Winners

Please visit the INS website for complete descriptions of each INS award and to view previous award winners:

www.the-ins.org/ins-awards



New this year! INS Awards Panels

At this inaugural event, our award recipients don't just accept honors; they take the stage as speakers. Each honoree will share the ideas, experiences, and breakthroughs that earned them recognition, offering rare insight straight from the people shaping the field.

Join us for an afternoon that celebrates excellence while inspiring what comes next. Expect powerful stories, practical wisdom, and unforgettable moments as we recognize today's leaders and hear directly from the voices behind the impact.



Senior Career Awards Panel

Thu Feb 5, 12:45-2:10pm, Grand Ballroom / Salon E

Featuring:

Yaakov Stern, INS Career Mentoring Award

Sanne Schagen, INS Lifetime Achievement in Research

Lance Trexler, INS Distinguished Career Award



Early to Mid-Career Awards Panel

Thu Feb 5, 2:15-3:45pm, Grand Ballroom / Salon E

Featuring:

John-Christopher Finley, INS Post-Doctoral Fellow Research Award

Kelsey Thomas, INS Early Career Award

Shawn McClintock, INS Mid-Career Research Award





John-Christopher Finley

Postdoctoral Fellow

Northwestern University Feinberg
School of Medicine

Chicago, USA

INS Postdoctoral Fellow Research Award

The INS Post-Doctoral Award, for researchers that hold a post-doctoral position with no more than 4 years from PhD, who have made noteworthy contributions to neuropsychology or applied neuropsychology.

This meeting this award has been given to Dr. John-Christopher Finley, currently completing his clinical neuropsychology postdoctoral fellowship at Northwestern University Feinberg School of Medicine. Dr Finley was nominated by Jason R. Soble and Michael Brook, who describe him as a rare early-career neuropsychologist whose research productivity and innovation already rival that of mid-career faculty. They emphasize his pioneering work at the interface of digital technology, psychometrics, and neuropsychological assessment,

including the use of response-time and process data, machine learning, telehealth testing, centralized data repositories, and novel performance and symptom validity metrics that improve diagnostic precision while reducing burden and cost. Beyond these accomplishments, they describe Dr. Finley as a professional of the highest integrity—"the type of person who does the right thing even when others are not looking"—portraying him as a scientist-practitioner whose work and character are already shaping the future of clinical neuropsychology.



Kelsey Thomas

Associate Professor of Psychiatry

San Diego School of Medicine,
University of California

San Diego, USA

INS Early Career Research Award

The INS Early Career Award is given to individuals at 10 years or less after completion of training who have made a substantial contribution to the area of brain behavior relationships.

This meeting, this award will be given to Dr Kelsey Thomas. Dr. Thomas was nominated by Katherine J. Bangen and Alexandra Clark, who emphasize that, even early in her career, she has emerged as a leading voice in the neuropsychology of aging and Alzheimer's disease. Her work advances sensitive neuropsychological methods for detecting early cognitive

decline that add critical value beyond biomarkers, particularly in understanding vascular contributions to dementia risk and progression. Beyond her scientific productivity and funding success, her nominators highlight her commitment to diversity, her generosity as a mentor, and the way she builds collaborative, inclusive scientific communities.

INS Mid-Career Research Award

The INS Mid-Career Award is awarded to individuals who are 11 to 24 years post-training, who have a growing international research reputation with substantive impact.

At this meeting, we are honored to present this award to Dr. Shawn McClintock. Dr McClintock was nominated by Kathleen Welsh-Bohmer, Meryl Butters, and C. Munro Cullum, who describe him as an internationally recognized authority at the intersection of neuropsychology, mood disorders, and neuromodulation therapeutics. They emphasize his transformative research on how treatments such as ECT, MST, TMS, and tDCS affect neurocognitive functioning, his development of novel

neuropsychological instruments to monitor treatment effects, his leadership in national guideline development for neuromodulation therapies and his influential book Neuropsychology of Depression. Beyond his scientific achievements, they describe Dr. McClintock as a generous mentor, collaborative leader, and deeply respected colleague whose "infectious enthusiasm", rigor, and commitment to the field have had a lasting international impact on neuropsychology.



Shawn McClintock

Professor of Psychiatry
UT Southwestern Medical Center
Dallas, USA

INS Distinguished Career Award

This award is given to colleagues at near the end of their careers who have made major, sustained contributions to the field of neuropsychology as well as to the INS.

This year, we are honored to present the INS Distinguished Career Award to Dr. Lance Trexler. Dr. Trexler was nominated by Jill Winegardner, Thomas Bergquist, and Pamela Klonoff, who describe him as one of the rare figures in neuropsychology who not only answered the field's "What?" questions, but the much harder "Now what?" questions for people living with acquired brain injury. They emphasize his foundational role in making cognitive rehabilitation a standard of practice through the first textbook on the topic and his leadership as Managing Editor of the ACRM Cognitive Rehabilitation Manual, now considered the gold standard for evidence-based treatment. They highlight his creation of the Center for Neuropsychological

Rehabilitation in the 1980s, his pioneering development and dissemination of the Resource Facilitation model that demonstrably improved return to work and reduced disability, and, more recently, his co-founding of the Saugatuck Institute for Neuropsychological Rehabilitation, described as an "island of holistic thinking" preserving and advancing the practice of neuropsychological rehabilitation worldwide. Beyond these extraordinary contributions, his emphasize his bottomless generosity, mentorship, and artistry in the humanistic craft of neurorehabilitation that has shaped not only programs and manuals, but generations of professionals in the field.



Lance Trexler

Clinical Assistant Professor,
Department of Physical Medicine
and Rehabilitation,
Indiana University School of Medicine
Indianapolis, USA



Yaakov Stern

Florence Irving Professor of Neuropsychology,
Chief of the Cognitive Neuroscience Division,
Columbia University Irving Medical Center
New York, USA

INS Career Mentoring Award

The INS mentoring Award is given to individuals that have excelled in mentoring and teaching activities, having a profound impact on the careers of others.

At this meeting, we are honored to present the INS Mentoring Award to Dr. Yaakov Stern. Dr. Stern was nominated by Sharon Sanz Simon, Roe Holtzer and Stephanie Cosentino, who emphasize his unparalleled impact as a mentor in neuropsychology and cognitive neuroscience over more than four decades. They highlight his role as director of one of the longest-running NIH-funded T32 training programs focused on cognition and aging, his mentorship of dozens of postdoctoral fellows and trainees who have gone on to successful academic careers worldwide, and his foundational

influence on the field through the development of the concepts of cognitive and brain reserve. Beyond his extraordinary scientific record, his nominators describe Dr. Stern as an empathetic, generous, and deeply committed mentor—someone who combines intellectual rigor with kindness, optimism, and respect for balance between professional and personal life—portraying him as a role model whose influence is felt not only through his science, but through the people he has shaped and supported across generations.



Sanne Schagen

Professor at Amsterdam University
Head of the Division of Psychosocial
Research and Epidemiology
Netherlands Cancer
Institute
The Netherlands

INS Lifetime Achievement Award in Research

The INS Lifetime Achievement Award in Research recognizes individuals who have advanced the field of neuropsychology beyond their own institutions.

This year, we are honored to present this award to Dr. Prof. Dr. Sanne Schagen. Prof. Schagen was nominated by Jeffrey Wefel, Erica Dawson, Lisa Jacobson, and Charlotte Sleurs on behalf of the INS Oncology SIG, and Michael Parsons, who describe her as a “pioneer and expert” whose work fundamentally changed how the field understands the cognitive impact of cancer and cancer therapy. They emphasize her seminal late-1990s studies that first demonstrated the risk of cognitive dysfunction following

chemotherapy in breast cancer survivors, her role as co-founder of the International Cognition and Cancer Task Force and the INS Oncology SIG, and her development of innovative tools such as the Amsterdam Cognition Scan. Beyond her extraordinary scientific productivity and international leadership, her nominators highlight her collegial, collaborative style, her mentorship of generations of trainees, and her transformative influence on how neuropsychology is integrated into oncology care worldwide.

INS Graduate Student Research Award



Jacob Fiala

Emory University
School of Medicine
Atlanta, USA

P4-37. Novel Neuropsychological Connected-Speech Ratings for Detection of Mild Cognitive Impairment and Alzheimer's Disease Biomarkers

Poster 04: Cognitive Aging, MCI, and Dementia Syndromes
Thu Feb 5, 2:30-3:45pm, Franklin Hall B

Objective:

Examination of the linguistic features of connected speech in older adults with and without cognitive impairment has largely focused on surface aspects such as the number of words and parts of speech generated. The objective of this study was to evaluate whether linguistic features that reflect the integrity of underlying neuropsychological functions can be validly used to detect mild cognitive impairment and biomarkers of Alzheimer's disease pathology.

Participants and Methods:

We analyzed data from the Brain, Stress, Hypertension and Aging Research Program (B-SHARP: N=100, mean age=66, women=55%, African American=45%, MCI diagnosis=43%). All participants underwent an identical structured voice recording protocol including a 2-minute picture description task. A neuropsychologist who was blinded to cognitive categories systematically rated (from 1 impaired to 5 normal) the picture description task with respect to 5 language domains not routinely captured in cognitive batteries: 1) Grammatical Complexity/Correctness – richness of sentence structure and correctness of word order; 2) Repetitiveness – repeating the same word or phrase multiple times, perseveration, or getting stuck on a specific element of the picture; 3) Lexical Retrieval – difficulty or delay in producing intended words, frequent pauses, or the use of filler words/vague words; 4) Semantic errors – saying

incorrect words similar in meaning to the target word such as “dog” instead of “cat”, and 5) Abstraction – ability to identify higher-level themes beyond concrete details. CSF was extracted from participants using lumbar puncture and analyzed for pTau and Aβ42 concentrations. MCI diagnoses were assigned through consensus conference.

Results:

Across outcomes, Grammatical Complexity/Correctness, Repetitiveness, and Lexical Retrieval were the most strongly and consistently related to outcomes. Better (i.e., higher) mean ratings across these three domains were significantly associated with lower odds for MCI diagnosis (OR = .59; AUC = .65, 95% CI = .54, .76) and significantly correlated with lower pTau / Aβ42 ratio ($r = -.31, p < .01$) and pTau in isolation ($r = -.30, p < .01$). Additionally, good convergent validity was observed, with higher mean language rating scores associated with higher MoCA scores ($r = .44, p < .001$) and less cognitive and functional disability as measured by lower CDR Sum of Boxes scores ($r = -.33, p < .001$).

Conclusions:

These findings suggest that our novel connected-speech ratings may offer a new approach in MCI and AD detection and may provide a foundation for Artificial Intelligence-based linguistic models to provide additional improvements in accuracy and scalability for early detection.

INS Memory & Memory Disorders Research Award

Jessica Buxton

University of California, San Francisco
San Francisco, USA

435. Age at Menopause associates with plasma Alzheimer's biomarkers in Typically Aging Women

Paper 18: Plasma Biomarkers in Aging and Disease
Sat Feb 7, 9:00-10:25am, Salon B



Objective:

Women are disproportionately affected by Alzheimer's disease (AD), with evidence of higher tau pathology compared to men. Menopause may provide key insights into this vulnerability, as the transition has been linked to increased dementia risk, cognitive decline, and tau deposition. Earlier menopause has been associated with greater AD risk and tau burden at autopsy. However, there is a gap in our understanding of how age of menopause associates with in-vivo biomarkers of AD in typically aging women. In this study, we examined associations of age at menopause with three plasma phosphorylated tau isoforms and the AB42/40 ratio, hippocampal volume and cognition in cognitively normal post-menopausal women. Given it confers disproportionate risk in females, we also examined the moderating role of APOEε4 status.

Participants and Methods:

Seventy-seven women ($M_{age} = 74.08, SD_{age} = 6.44$) underwent blood draw with plasma assayed for pTau-181, pTau-217, pTau-231 and AB42/40 ratio (NULISA), ApoE genotyping, structural MRI (hippocampal volume), and neuropsychological assessment (memory and executive function composite z-scores). Among these participants, 19 (24.7%) were APOEε4 carriers. Linear regression models evaluated associations between age at menopause ($M_{age} = 49.93, SD_{age} = 6.19$) with each outcome, controlling for chronological age (all outcomes) total intracranial volume (hippocampal volume) and education (cognitive outcomes). An interaction term tested moderation of these associations by APOEε4 carrier status.

Results:

Older age at menopause was associated with lower plasma pTau-181 ($\beta = -0.03, p =$

0.015) and pTau-231 ($\beta = -0.23, p = 0.035$), and higher executive function scores ($\beta = 0.03, p = 0.011$). Age at menopause was not significantly related to pTau-217 ($\beta = -0.02, p = 0.159$), AB42/40 ($\beta = 0.05, p = 0.648$), hippocampal volume ($\beta = 0.03, p = 0.832$), or memory z-score ($\beta = -0.02, p = 0.855$). APOEε4 status significantly moderated the association between age at menopause and pTau-181 ($\beta = 0.72, p = 0.002$), pTau-231 ($\beta = 0.84, p < 0.001$), and AB42/40 ratio ($\beta = -0.55, p = 0.022$): the protective association of older age at menopause on AD biomarkers was stronger among APOEε4 non-carriers than APOEε4 carriers. ApoE4 status did not moderate the association between age at menopause and pTau-217 ($\beta = 0.33, p = 0.153$), hippocampal volume ($\beta = -0.43, p = 0.222$), memory z-score ($\beta = 0.45, p = 0.070$), or executive function ($\beta = -0.01, p = 0.954$).

Conclusions:

Later age at menopause was associated with lower plasma pTau-181 and pTau-231 levels and higher executive function scores in typically aging postmenopausal women, suggesting a potential protective effect of prolonged reproductive hormone exposure on tau pathobiology and cognition. These benefits were diminished in APOEε4 carriers for pTau-181, pTau-231, and AB42/40, consistent with the allele's role in heightening vulnerability to accumulation of AD neuropathology. No significant associations were found for pTau-217, hippocampal volume, or memory z-scores, or executive function. Together, these findings underscore the importance of considering reproductive history and genetic risk when evaluating women's risk for Alzheimer's-related pathology as well as potential interventions during the menopause transition as a potential pathway towards lowering AD risk.

SLC Student Research Awards

The INS Student Liaison Committee (SLC), in conjunction with the INS 2025 Program Committee, recognizes the following five students and trainees as well-deserving recipients of the **SLC Student Research Award**.



Alexandria Bartlett

Graduate Student
University of California,
San Francisco
San Francisco, USA

416. Beyond Sadness: Vascular Apathy and its Associations with Cognitive and Functional Abilities

Paper 13: Cognitive and Emotional Processes in the Brain

Fri Feb 6, 10:15-11:40am, Salon B



Jessica Langtot

Graduate Student
Northwell Health &
Roosevelt University
New York & Chicago, USA

P3-77. Moderating Factors of Symbol Digit Modalities Test trials in Parkinson's Disease

Poster Session 3: Clinical and Biological Perspectives on Neurodegeneration: Alzheimer's, Dementia, and Motor Disorders

Thu Feb 5, 12:45-2:00pm, Franklin Hall B



Kyounggeun Lee

Postdoctoral Fellow
Georgia State University
Atlanta, USA

669. Interaction Between Lifestyle Factors and APOE $\epsilon 4$ on Episodic Memory Across Racial/Ethnic Groups

Paper 04: Genetic and Biological Influences on Cognition

Thu Feb 5, 9:00-10:30am, Salon D



Asia Srhir & Emily Amouyal

Graduate Students
Weill Cornell Medicine
New York, USA

P9-72. A Comprehensive Systematic Literature Review of the Cognitive Impairment in Adults with Chiari Malformation Type I

Poster Session 9: Developmental Disorders and Pediatric Neuropsychology

Sat Feb 7, 9:00-10:15am, Franklin Hall B



Melanie Quiring

Graduate Student
University of Southern
California
Los Angeles, USA

728. Older Adults with Enlarged Perivascular Spaces Exhibit Worse Memory

Paper 05: Neural and Psychosocial Correlates of Aging

Thu Feb 5, 12:45-2:10pm, Salon K

INS Conference Travel Awards

The INS Science Committee recognizes the following well-deserving recipients, selected from a highly qualified pool of applicants for this meeting's INS Conference Travel Awards.



Francesca Mariani

Hospital de Clínicas,
Montevideo, Uruguay

203.

Relationship Between Social Cognition, Brain Structure, and Perfusion in Multiple Sclerosis Patients: A Pilot Study

Invited SIG Symposium 06: (Beauchamp) Methodological innovative and diversity in the study of social cognition

Sat Feb 7, 9:00-10:25am, Grand Ballroom / Salon E

Background and objectives:

Social cognition is a neurocognitive ability that develops throughout life and is essential for processing social information. There is a general consensus that preserving social cognition contributes to the long-term maintenance of individuals' quality of life. Multiple sclerosis (MS) is a chronic, degenerative, and inflammatory disease that affects the central nervous system through demyelination. Social cognition deficits are common in people with MS and can significantly impact their quality of life. The aim of this pilot study is to evaluate the subdomains of social cognition in patients with MS in the early stages and to explore their relationships with cognitive, neurobiological, emotional, and fatigue parameters.

Participants and Methods:

Preliminary analysis was conducted on 10 patients with relapsing-remitting MS (RRMS), diagnosed less than 3 years prior, with EDSS scores ≤ 2 . Standard tests were used to assess general cognitive functions (BICAMS and ACE-R), specific measures of social cognition (Theory of Mind – Faux Pas Test, RMET, TASIT-ARG, TECA), fatigue impact questionnaire (MFIS), mood (DASS-21), and quality of life (MSQOL-54). All patients had neuroimaging studies (MRI), and cerebral perfusion studies (SPECT) were performed. Performance on Theory of Mind and ACE-R was compared with healthy controls. Results on other tests were compared with published averages and norms from the literature. Quality of life, fatigue, and other variables were analyzed in relation to perfusion and lesion quantification in MRI.

Results:

All patients showed performance similar to the population mean reported in the literature for BICAMS, with normal general cognitive screening and no significant differences compared to healthy controls. A statistically significant difference ($p=0.004$) was observed in performance on the cognitive Theory of Mind test (Faux Pas) between MS patients and healthy controls. Out of the 10 patients, 4 showed altered perfusion studies, with regions of mild to moderate hypoperfusion. Considering this grouping variable, a significant difference in age was observed, with younger patients presenting normal perfusion results. Lower performance in emotional recognition on TASIT – Arg was also observed in patients with SPECT hypoperfusion compared to those without perfusion alterations, along with higher fatigue levels. Moderate negative associations were found between fatigue and affective ToM, empathy, and quality of life.

Conclusions:

In the early stages of MS, overall cognition remains intact, although subtle alterations in social cognition occur, and this findings seem to be independent of the lesion burden quantified by MRI. Additionally, fatigue and emotional recognition are related to alterations in cerebral perfusion. These results suggest that age, fatigue, and some parameters of social cognition could predict the brain's capacity to maintain or recover functions through neuroplastic mechanisms in affected neural networks. Factors such as age, fatigue, and social parameters influence neuroplasticity. This appears to have more impact in younger patients, in which findings on SPECT suggest some reserve of plasticity and functional preservation. Perfusion may serve as a marker of functional loss in white matter that appears normal.

Abril Baez

San José State University
San Jose, USA

P4-22.

Visual Cognitive Patterns in Mild Cognitive Impairment Stable and Conversion Cases

Poster 04: Cognitive Aging, MCI, and Dementia Syndromes

Thu Feb 5, 2:30-3:45pm, Franklin Hall B



Background and objectives:

Visual cognitive deficits may help distinguish cases of mild cognitive impairment that remain stable from those that progress to dementia. Few studies have directly compared these groups with respect to visual abilities, leaving gaps in understanding predictors of progression. The Benson Complex Figure Task (BCFT) evaluates visual perceptual, construction, and long-term memory abilities. We compared BCFT performance in MCI patients who remained stable (MCI-stable) and who later developed AD (MCI-AD) or DLB (MCI-DLB), aiming to assess its potential as a predictor of disease progression.

Participants and Methods:

Longitudinal data from the National Alzheimer Coordinating Center was reduced from 50,259 to 3,522 participants to include individuals meeting the following criteria: (1) at least two visits, (2) at least one initial (baseline) visit with a diagnosis of MCI, (2) BCFT copy and recall scores available at this baseline visit, (3) stable MCI diagnosis ($n = 2,630$) or conversion to AD ($n = 793$) or DLB ($n = 59$) at subsequent visits. Individuals without an MCI diagnosis at any visit were excluded. BCFT scores were binarized using a clinical cut-off of 14 for the copy condition and 8 for the recall condition. Four logistic regressions with bootstrapped standard errors were conducted, controlling for age and education, to examine group differences in BCFT performance between non-conversion cases (0 = remained stable) and conversion cases (1 = progressed to dementia). The first two models

compared MCI-stable vs. MCI-AD for copy and recall conditions, and the second two models compared MCI-stable vs MCI-DLB for the same conditions.

Results:

BCFT copy scores below the clinical cutoff of were reliably associated with higher odds of conversion to MCI-DLB when compared to MCI-stable ($B = 1.59$, $OR = 1.80$, $BCa\ CI [1.06, 3.06]$, $p < .05$), whereas no significant findings were found in the recall condition ($B = 1.30$, $OR = 0.94$, $BCa\ CI [1.87, 2.65]$, $p = .33$). Conversely, BCFT recall scores below the clinical cut-off were associated with higher likelihood of MCI-AD vs. MCI-stable ($B = 0.80$, $OR = 2.22$, $BCa\ CI [1.37, 2.84]$, $p < .001$) while lower BCFT copy scores were correlated to higher odds of remaining MCI-stable ($B = -0.24$, $OR = 0.79$, $BCa\ CI [0.66, 0.94]$, $p < .05$).

Conclusions:

When compared to MCI-stable participants, those in the MCI-AD group showed impaired recall performance with relatively preserved copy performance, reflecting memory deficits but intact visual construction abilities. In contrast, the MCI-DLB group demonstrated significantly lower copy performance, indicating prominent visual constructional deficits with unaffected memory relative to the MCI-stable group. Improving differentiation between stable and conversion MCI cases can improve early identification of those at risk for AD and DLB allowing more timely and tailored intervention.

Volunteers

Student volunteers play a critical role in the success of the INS Annual Meeting through their assistance in proctoring CE courses, monitoring poster sessions, and assisting at the Registration Desk—and in making the Annual Meeting a friendlier place for all attendees!

We sincerely thank our wonderful volunteers for their assistance and unbridled enthusiasm and commitment to INS.

Alex Combs

Alexandra Lang

Alyes Chen

Briana Galindo

Brianna Felgoise

Brittany Rohl

Carolina Rader

Cassidy Salentine

Chloe Robinet

Christina Galiano

Concetta Anemine

Elisa Akins

Elisa Villa

Elizabeth Rodriguez

Gabriella Navarro-Love

Genevieve Kim

Ghowash Irshad

Gianna Scimemi

Giselle Carollo-DuPrey

Glenda May

Grace Amadon

Haila Jiddou

Hector Reyes

Inola Howe

Isa-Marie Kreuzinger

Isabella Mansour

Julia Petersen

Katelynn Rudolph

Katerina (Kat) Nastea

Katie Brundage

Kelsey Amon

Kiren Bakhru

Laureen Gathinji

Lauren Kupferschmid

Leah Bullinger

Madison McGuire

Mario Pimentel

Michael Yuska

Mona Karimzadeh

Morris Tshuma

Nadyah Spahn

Olivia Horn

Priyanka Koppolu

Riley McHugh

Sara Gonzalez

Shuchen Hu

Shannon Testa

Stacey Park

Susan Navarro

Tanisha (Tany) Romero

Tara Driskill

Theresa Lin

Junny (To Nhu) Nguyen

Umika Paul

Vaibhavi Venkataramanan

William Tanguy

Winnie Ng

**THANK YOU TO
OUR STUDENT
VOLUNTEERS,
WHO MAKE THE
INS MEETING
POSSIBLE!**



VOLUNTEERS



ARE INS

Thank an INS Volunteer Today!



Ancillary Meeting Schedule

INS is pleased to host ancillary meetings organized by individuals and groups at INS 2025. The following schedule is provided for the convenience of our attendees and may not be complete. Additional meetings and changes will be posted on the message boards located near the INS Registration Desk.

Please note that INS name badges must be worn when using ancillary space, and only ancillary meetings that have been pre-authorized by the INS Executive Office are permitted.

Meeting	Date	Time	Location
American Board of Clinical Neuropsychology	Wednesday, February 4	1 - 4 pm	408-409
American Academy of Clinical Neuropsychology (AACN)	Wednesday, February 4	9 am - 3 pm	411-412
Association of Postdoctoral Programs in Clinical Neuropsychology (APPCN)	Thursday, February 5	8 - 9 am	Franklin 2
Association of Internship Training in Clinical Neuropsychology (AITCN)	Thursday, February 5	9:30 - 10:30 am	408-409
Association of Postdoctoral Programs in Clinical Neuropsychology (APPCN)	Thursday, February 5	5 - 7 pm	405
American Psychological Association - Division 40 Fellow Committee	Thursday, February 5	6:30 - 7:30 pm	406
Asian Neuropsychological Association	Thursday, February 5	6:30 - 7:30 pm	407
Brown University	Thursday, February 5	6:30 - 8 pm	Franklin 3
Women in Neuropsychology	Thursday, February 5	6:30 - 8:30 pm	Franklin 4
AACN	Thursday, February 5	11:45am - 12:45 pm	408-409
Clinical Neuropsychology Specialty Council	Thursday, February 5	6:30 - 8 pm	408-(409)
INS Global Engagement Committee (GEC) Hybrid Meeting	Friday, February 6	10:30 - 11:20 am	408-409
INS JEDI Committee Meeting	Friday, February 6	3 - 4:30 pm	408-409
New2Neuropsychology	Friday, February 6	6 - 8 pm	Franklin 2
SDSU / UC San Diego Joint Doctoral Program in Clinical Psychology	Friday, February 6	6 - 8 pm	Franklin 4
Annual UF Friends and Alumni Social	Friday, February 6	8:30 - 10:30 pm	Franklin 3



NEUROPSYCHOLOGY
In the Age of
INNOVATION

Who is INS?

The International Neuropsychological Society (INS) was founded in 1967 as a scientific and educational organization dedicated to enhancing communication among the scientific disciplines which contribute to the understanding of brain-behavior relationships. The Society has more than 3000 members throughout the world and from various areas of practice.

The mission of the International Neuropsychological Society is to promote the international and interdisciplinary study of brain-behavioral relationships throughout

INS: WHERE THE WORLD MEETS

Promoting the international and interdisciplinary study of brain-behavioral relationships throughout the lifespan. Emphasizing science, education, and the applications of scientific knowledge.

the lifespan. The Society's emphasis is on science, education, and the applications of scientific knowledge.

Membership in the Society includes an online subscription to the *Journal of the International Neuropsychological Society: JINS*, which is currently published ten times per year (with two additional, online-only supplements). The Society holds two meetings each year, including its Annual Meeting every February in North America, and its Mid-Year Meeting every July in a different location worldwide.

BECOME A MEMBER

Who is INS?

Clinical Neuropsychologists
Cognitive Neuroscientists
Neurologists
Psychiatrists
Rehab Specialists
Social Workers
Speech-Language
Pathologists / Audiologists

BENEFITS OF MEMBERSHIP:

- Discounts on meeting registration & on-demand CE
- JINS access
- Exclusive INSnews content
- Free quarterly webinars and on-demand SIG content
- Online INS Member Directory

THREE LEVELS OF MEMBERSHIP:

- Professional Member
- In-Training Member
- Emeritus Membership

INS offers a tiered dues system based on the World Bank

**THE-INS.ORG/JOIN-INS/
BENEFITS-OF-MEMBERSHIP/**

INS Officers



President

Natalia Ojeda del Pozo

Term: Feb 2024 - 2027
Professor of Neuropsychology,
University of Deusto, Spain
Member, Royal Academy
of Medicine in Basque
Country, Spain



President Elect

Mary Kosmidis

Term: Feb 2025 - 2028
Professor of Psychology
at Aristotle University of
Thessaloniki (AUTH), Greece
Visiting Scientist, Johns Hopkins
School of Medicine, USA



Past President

David Loring

Term: Feb 2023 - 2026
Professor, Department
of Neurology
Emory University
School of Medicine



Secretary

Alberto Fernandez

Term: Feb 2021 - 2024
Universidad Católica de Córdoba,
Departamento de Neuropsicología



Treasurer

Ozioma Okonkwo

Term: Feb 2020 - 2025
University of Wisconsin-Madison,
Department of Medicine

Members-at-Large



Cady Block

February 2023 - 2026
Adult Neuropsychologist
Department of Neurology
Emory University



Rochele Paz Fonseca

February 2023 - 2026
Psychologist and
Speech Therapist
Pontifical Catholic University
of Rio Grande do Sul
Porto Alegre, Brazil



Melissa Lamar

February 2023 - 2026
Neuropsychologist, Rush
Alzheimer's Disease Center
Department of Psychiatry and
Behavioral Sciences, Division
of Behavioral Sciences,
RUSH Medical College



Kendra Anderson

February 2024 - 2027
Assistant Professor of Neurology
UTHealth Neurosciences
McGovern Medical School



Maiko Sakamoto

February 2024 - 2027
Associate Professor
Saga University
Faculty of Medicine
Saga, Japan



Sanne Franzen

February 2024 - 2027
Early Career Neuropsychologist
Postdoctoral Researcher
Erasmus Medical Center
Rotterdam, the Netherlands



Paul Bangirana

February 2025 - 2028
Associate Professor
of Psychology
Department of Psychiatry
Makerere University, Uganda



Tricia Williams

February 2025 - 2028
Pediatric Neuropsychologist
and Associate Scientist
The Hospital for Sick Children
(SickKids) in Toronto, Canada



Anny Reyes

February 2025 - 2028
Neuropsychologist
Neurological Institute
and Epilepsy Center
Cleveland Clinic, USA

MEET THE MEMBERS AT LARGE

Members at Large will be available for one-on-one conversations during the 2026 Meeting. Join us for an exciting "round-table" series where members can come talk openly about their concerns, recommendations, and suggestions for INS. We value your viewpoints and are dedicated to fostering a close working relationship with you as we collaborate to further INS's goals.



**The INS Table – Near
Registration**

Thursday February 5,
8:00-10:00 AM

INS Committees



Awards

Chair: Christian Salas

Committee Members: Robin Morris, Preeti Sunderaraman, Ann Watts, Laura Zahodne



Conflict of Interest

Chair: Kaitlin Casaletto



Continuing Education

Chair: Benjamin Hampstead

Committee Members: Kendra Anderson, Gregory Brown, Rebecca Charlton, Stephen Correia, Duke Han, Kevin Manning, Luis Medina, Suzanne Penna, Annalise Rahman-Filipiak Reem Tarazi, Ericka Wodka



Education

Chair: Sarah MacPherson

Committee Members: Pamela Dean, Aparna Dutt, Natalie Grima, Ashok Jansari, Eliane Correa Miotto, Holly Miskey, Travis Wearne

Trainee Committee Members: Erica Howard, Leslie Castellano Quiñones



Finance

Chair: Ozioma Okonkwo

Committee Members: Bruce Hermann, Marc Norman (Ex Officio), Olivier Piguet, Debora Scheffel



Global Engagement

Chair: Leigh Schrieffer-Brown

Subcommittee Members: Omar Alhassoon, Skye McDonald, William Seidel, Mary Beth Spitznagel, Anthony Stringer

Regional Representatives: Omar Alhassoon, Alia Ammar, Amber Ayton, Majo Bracho, Lucia Braga, Sara Cavaco, Raymond Chan, Ramiro Coello Cortés, Unai Diaz Orueta, Aparna Dutt, Jon Evans, Alberto Fernández,

Rhalf Jayson F Guanco, Jean Ikanga, Seta Kazandjian, Elizabeth Kera, Miriam Levav, Athanasia Liozidou, Emilia Łojek, Leandro Malloy-Diniz, Lingani Mbakile-Mahlanza, Skye McDonald, Taina Nybo, Natalia Ojeda del Pozo, Leigh Schrieffer-Brown, Hooi See Gan, Mary Beth Spitznagel, Parisuth Sumransub, Nai Wen Guo



Membership Engagement

Chair: Christine Mullen

Committee Members: Anastacia Nichols, Brittney Randolph, Julie Bobholz, Leigh Schrieffer, and Natalie Kurniadi



Publications

Chair: Sallie Baxendale



Science

Chair: Lena Dobson

Committee Members: Lisanne Jenkins, Marianna Kapsetaki, Lenka Kramka, Mohammed Mudarris, Rochele Paz Fonseca, Leigh Schrieffer, Leah Whitlow, Dahyun Yi



Special Interest Groups

Chair: Ruchika Prakash

Committee Members: William Barr, Sallie Baxendale, Cady Block, Adam Brickman, Donna Broshek, Lucia Crivelli, Lucette Cysique, Unai Diaz-Orueta, Lena Dobson, Lisa Jacobson, Christine Koterba, Yen Ying Lim, Emilia Łojek, Bernice Marcopulos, Skye McDonald, Luis Medina, Gerhard Müller, Michael W. Parsons, Yakeel Quiroz, Nicholas Ryan, Michele Sadeh, Matthew Staio, Lyn Turkstra



Social Media

Chair: Daliah Ross

Committee Members: Natalia Gawron, Ewa Malinowska



Student Liaison

Co-Chairs: Kendra Pizzonia, Levi Muyela

Committee Members: Taylor Jenkin, Tahlia Bragg, Maria José Bracho, Amber Ayton, Kendra Pizzonia



INS Office



Marc A. Norman
Executive Director



Tandy Jensen Pietro
Executive Operations Director



Jamie Wilson
INS Admin / Bookkeeper



Shelbie Humenberger
Program Assistant



Chantal Marcks
Director of Events

THE INTERNATIONAL NEUROPSYCHOLOGICAL SOCIETY PRESENTS



The 55th Annual Meeting: 2027 BOSTON



February 2027
Boston, Massachusetts, USA

INS continuing education sessions are designed to provide a practical review of current research as well as information on clinical and technological advances in specific areas of content relevant to neuropsychology and the cognitive neurosciences.

CE Course Registration

CE options are not included in the general registration fee. You must register and pay additional fee(s) in order to attend CE workshops, or to receive CE credit for attending plenaries or invited symposia.

Badge & Attendance Policy

Your name badge is required for admittance to CE Workshops, and will be checked by a volunteer proctor at the door.

You must fill out an attendance slip at every plenary session or invited symposium for which you are seeking CE credit.

CE Workshops

You must register in advance and pay an additional fee in order to attend workshops.

All 1.5-hour CE workshops are scheduled from 7:20–8:50 AM and include a continental breakfast that is served from 7–7:15 AM (morning sessions will begin promptly at 7:20 AM).

Breakfasts are only for registered workshop participants.

3-hour Wednesday workshops include light refreshments and coffee/tea.

Optional CE Credit for Plenaries & Invited Symposia

One hour of optional CE credit is available for each plenary, and 1.5 hours are available for each invited symposium.

In order to receive credit, you must pay a separate fee, fill out an attendance slip during the session, and complete a post-activity evaluation.

You may add optional CE credits anytime after the meeting, as long as your attendance in the session is documented.

Please Note: To receive optional CE credit, either now or at a later time, we must have documentation of your full attendance (i.e., a completed attendance slip). No partial credit will be awarded for partial attendance.



The International Neuropsychological Society is approved by the American Psychological Association to sponsor continuing education for psychologists. The

International Neuropsychological Society maintains responsibility for this program and its content.

The International Neuropsychological Society is recognized by the New York State Education Department's State Board for Psychology as an approved provider of continuing education for licensed psychologists (#PSY-0154).

All continuing education sessions are geared for advanced level instructional activity. Up to 23.5 credit hours are available for this live, in-person program.

How to Obtain CE Credits After Registering

In order to grant credit for any CE session, we must have your full attendance documented.

You must complete an attendance slip for any CE course for which you are seeking CE credit.

You must also complete an online evaluation form for each CE session. Once you are registered and your attendance has been recorded, the evaluation link will be emailed to you, at the link you used to register for the meeting. **Evaluation emails will be sent approximately 72 hours after each session has concluded.** We appreciate your patience as we unveil a new LMS system over the next few weeks.

Once the evaluation is completed for each course, a certificate of completion may be downloaded.

INS CE Committee

Benjamin M. Hampstead has served as Chair of the INS Continuing Education Committee since 2021. His term ends after the 54th Annual Meeting.

The incoming Continuing Education Committee Chair is Maria Schultheis.

CE Program Disclosures

The International Neuropsychological Society requires program planners and instructional personnel to disclose information regarding any relevant **financial** and **non-financial relationships** related to course content prior to and during course planning. The intent of this disclosure is not to prevent a speaker with a significant financial or other relationship from making a presentation, but rather to provide listeners with information on which they can make their own judgments. It remains for the audience to determine whether speaker interests or relationships unduly influence a presentation with regard to exposition or conclusion.

Please see the following definitions:

Relevant financial relationships are those relationships in which the individual benefits by receiving a salary, royalty, intellectual property rights, gift, speaking fee, consulting fee, honoraria, ownership interest (e.g., stocks, stock options, or other ownership interest, excluding diversified mutual funds), or other financial benefit. Financial relationships can also include "contracted research" where the institution receives/manages the funds and the individual is the principal or named investigator on the grant.

Relevant non-financial relationships are those relationships that might bias an individual including any personal, professional, institutional, or other relationship. This may also include personal interest or cultural bias.

INS Program Planner Disclosures

Name	Activity	Relevant Financial Relationships	Relevant Non-Financial Relationships
Benjamin Hampstead	CE Chair	Dr. Hampstead has received author royalties from Oxford, and honoraria, intellectual property rights and other financial benefits (licensed headgear) from Soterix Medical, Inc. He receives a stipend from INS for his role as CE Committee Chair.	None
Ruchika Prakash	Program Co-Chair	Dr. Prakash received a speaking fee from Sanofi Genzyme.	None
David Schretlen	Program Co-Chair	None	None

INS Instructional Personnel Disclosures

Name	Activity	Relevant Financial Relationships	Relevant Non-Financial Relationships
Vicki Anderson	Invited Symp. 5 & 6	Dr. Anderson receives a salary as an employee of Murdoch children's research Institute.	None
Nara Cortes Andrade	Invited Symp. 6		
Daryaneh Badaly	CE Workshop 11	None	None
Russell Bauer	Invited Symp. 5	Dr. Bauer has received reimbursement from INS for teaching and speaking activities.	None
Miriam Beauchamp	Invited Symp. 6		
Andreana (Any) Benitez	CE Workshop 12	Dr. Benitez receives grant funding from NIH as PI/ Co-Investigator.	None
David Brown	CE Workshop 5	Dr. Brown receives grant funding and salary as an employee of Nottingham Trent University.	None
Desiree Byrd	Invited Symp. 1	None	None
Vince Calhoun	Plenary A	None	None
Lisa Cipolotti	Invited Symp. 4		
Mirella Diaz-Santos	Invited Symp. 1	None	None
Jacob Dubroff	CE Workshop 4	None	None
Aparna Dutt	CE Workshop 10	None	None
Jonathan Evans	CE Workshop 10	Dr. Evans receives royalties from Taylor & Francis as a book editor.	None
Duke Han	Invited Symp. 1	None	None

INS Instructional Personnel Disclosures (Continued)

Name	Activity	Relevant Financial Relationships	Relevant Non-Financial Relationships
Philip Harvey	Invited Symp. 2	Dr. Harvey receives consulting fees from Alkermes, Boehringer-Ingelheim, BMS, Kynexis, Neurocrine Biosciences, and Minerva Neurosciences. He receives consulting fees and intellectual property rights from I-Function, Inc. and EMA Wellness. He has an ownership interest and receives royalties from EMA Wellness.	None
Aprinda Indahlastari Queen	Invited Symp. 4	None	None
Tedd Judd	CE Workshop 10	Dr. Judd has received royalties from Oxford University press for a forthcoming book publication.	None
Vidyulata Kamath	Plenary F		
Nick Kanaan	CE Workshop 8	Dr. Kanaan receives royalties from Millipore Sigma for antibody licensing for research purposes.	None
Deborah Koltai	Invited Symp. 5	None	None
Mary Kosmidis	Invited Symp. 4		
Joel Kramer	Invited Symp. 5	Dr. Kramer receives royalties from Pearson, Inc. for publication of the CVLT.	None
Elizabeth Li	CE Workshop 4	None	None
Francesca Mariani	Invited Symp. 6		
Dawn Mechanic-Hamilton	CE Workshop 1	None	None
Jean-Phillipe Miron	CE Workshop 9 & Invited Symp. 3	None	None
Raeanne C. Moore	Invited Symp. 2	Dr. Moore has an ownership interest and receives fees for consulting and board membership from NeuroUX, Inc.	None
Ilya Nasrallah	CE Workshop 1	Dr. Nasrallah receives consulting fees from Subtle Medical.	None
Kyra S. O'Brien	CE Workshop 1	Dr. O'Brien receives grants and honoraria from Eli Lilly for consulting and as a PI.	None
Natalia Ojeda Del Pozo	Plenary B & Invited Symp. 4	Dr. Ojeda del Pozo retains intellectual property rights for her management role with Rehacop.	Dr. Ojeda del Pozo volunteers time to the University of Deusto for mentoring, teaching, speaking, and consulting.
Jonas Olofsson	CE Workshop 6	None	None
Alvaro Pascual-Leone	Plenary G	Dr. Pascual-Leone has received consulting fees from Neuroelectrics, AscenZion, BitBrain, and TetraNeuron as a consultant and advisory committee or review panel member. He has intellectual property rights and ownership interest in TI Solutions and Linus Health, from whom he also receives a salary for a management role.	None
Javier Peña Lasa	Invited Symp. 3	None	None
Mónica Rivera Mindt	Plenary D	Dr. Rivera Mindt receives PI grant funding from and serves as a board member for NIH.	She is a member of the ALL-FTD External Advisory Board and ADRC Advisory Board at Fordham University.
Albert "Skip" Rizzo	Plenary C	None	None
Christian Salas	CE Workshop 3	None	None
Julia Salles	Invited Symp. 6		
David Schretlen	CE Workshop 2	None	None
Martin Sliwinski	Plenary E	None	None
Robert Spencer	CE Workshop 7	None	None
Scott A. Sperling	Invited Symp. 1	None	None
Gregory P. Strauss	Invited Symp. 2	None	None
Paola Suarez	Invited Symp. 1	None	None
Jill Winegardner	CE Workshop 3	None	None

Preliminary Proceedings

Preliminary Proceedings: Final Program

A preliminary, pre-publication copy of the final program (with a complete list of abstracts, including authors and affiliations) is available on the following pages.

Final Publication of Meeting Proceedings

The official proceedings of the INS 54th Annual Meeting will be published soon after the conclusion of the meeting in the *Journal of the International Neuropsychological Society: JINS*. Abstracts will appear in JINS Volume 33 (2026), Supplement 1. Supplements are freely available online, without a subscription. To access supplemental issues of JINS, please visit journals.cambridge.org/jid_INS.

The final, published meeting proceedings will include a final addendum with all author changes that occur after finalization of the program, including author additions, author changes, and other minor adjustments.

Submitting Abstract Author Disclosures

The International Neuropsychological Society requires all presenters to disclose to the audience any significant financial interest or other relationship with the manufacturer(s) of any commercial product(s) and/or provider(s) of commercial services discussed in an educational presentation and with any commercial supporters of the activity. The intent of this disclosure is not to prevent a speaker with a significant financial or other relationship from making a presentation, but rather to provide listeners with information on which they can make their own judgments. It remains for the audience to determine whether speaker interests or relationships unduly influence a presentation with regard to exposition or conclusion.

Changes to the Final Program

Sessions and room locations listed in this book may change based on enrollment or other factors. Please check the online searchable program and on-site signage for last-minute room changes.

Withdrawn Abstracts

The following abstracts were withdrawn after we published the preliminary proceedings on the following pages. They will not appear in the final published proceedings.

Final Program
54th Annual Meeting
International Neuropsychological Society
February 4-7, 2026
Philadelphia, Pennsylvania, USA
CE Workshop 01: PET brain imaging for diagnosis
and treatment in neurodegenerative disease
08:45 - 10:45 Wednesday, 4th February, 2026
Location: Salon I (Level 5)
Presentation type CE Workshop (Pre-Registration Required)
Introduction:
Marcy Adler, PsyD
Speakers:
Ilya Nasrallah, MD, PhD
Dawn Mechanic-Hamilton, PhD, ABPP-CN
Kyra S. O'Brien, MD, MSHP
CE: 2 Hours
Level of Instruction: Introductory

402 PET Brain Imaging for Diagnosis and
Treatment in Neurodegenerative Disease

CE Workshop 02: Critical Research on Mild
Traumatic Brain Injury for Clinical and Forensic
Neuropsychological Examinations
08:45 - 10:45 Wednesday, 4th February, 2026
Location: Salon K (Level 5)
Presentation type CE Workshop (Pre-Registration Required)
Introduction:
Keara J. Kangas, PhD
Speakers:
David Schretlen, PhD
CE: 2 Hours
Level of Instruction: Intermediate

1094 Critical Research on Mild Traumatic Brain Injury for
Clinical and Forensic Neuropsychological Examinations

CE Workshop 03: The Use of Neuropsychological
Formulation in Rehabilitation of People with Brain
Injury: Its Role in Guiding Rehabilitation and
Understanding Complex and Puzzling Cases
08:45 - 10:45 Wednesday, 4th February, 2026
Location: Salon B (Level 5)
Presentation type CE Workshop (Pre-Registration Required)
Introduction:
Marie Schultheis, PhD

Speakers:
Jill Winegardner, PhD
Christian Salas, PhD

CE: 2 Hours
Level of Instruction: Intermediate

1063 The Use of Neuropsychological Formulation
in Rehabilitation of People with Brain Injury:

Its Role in Guiding Rehabilitation and
Understanding Complex and Puzzling Cases

INS Business Meeting
11:00 - 12:00 Wednesday, 4th February, 2026
Location: Salon I (Level 5)
Presentation type INS Event

NeuroCOVID SIG Members Meeting
11:00 - 12:00 Wednesday, 4th February, 2026
Location: Salon K (Level 5)
Presentation type SIG Meeting

CE Workshop 04: Advanced PET Brain Imaging:
Instrumentation, Quantification Strategies,
and Cutting-Edge Applications
12:15 - 14:15 Wednesday, 4th February, 2026
Location: Salon I (Level 5)
Presentation type CE Workshop (Pre-Registration Required)
Introduction:
Keara J. Kangas, PhD

Speakers:
Jacob Dubroff MD, PhD
Elizabeth Li, PhD
CE: 2 Hours
Level of Instruction: Advanced

406 Advanced PET Brain Imaging: Instrumentation,
Quantification Strategies, and Cutting-Edge Applications

CE Workshop 05: Demystifying AI—Risks and
Opportunities that Support Assessment and Treatment
Resources for Persons with Neurodevelopmental
and Neurocognitive Impairments
12:15 - 14:15 Wednesday, 4th February, 2026
Location: Salon K (Level 5)
Presentation type CE Workshop (Pre-Registration Required)
Introduction:
Anastacia A. Nichols, PsyD

Speakers:
David Brown, M.Eng., PhD

CE: 2 Hours
Level of Instruction: Intermediate

1082 Demystifying AI—Risks and Opportunities that Support
Assessment and Treatment Resources for Persons with
Neurodevelopmental and Neurocognitive Impairments

CE Workshop 06: The Sense of Smell and
its Relevance for Neuropsychology
12:15 - 14:15 Wednesday, 4th February, 2026

Location: Salon B (Level 5)
 Presentation type CE Workshop (Pre-Registration Required)
 Introduction:
 Benjamin M. Hampstead, PhD

Speakers:
 Jonas Olofsson, PhD

CE: 2 Hours
 Level of Instruction: Intermediate

1077 The Sense of Smell and its
 Relevance for Neuropsychology

Exhibits Open
 14:00 - 16:30 Wednesday, 4th February, 2026
 Location: Franklin Hall B (Level 4)
 Presentation type Exhibitors & Sponsors

Invited Symposium 01: (Diaz-Santos) Protecting
 Science, Promoting Brain Health: Advocacy
 Across the Neuropsychological Spectrum
 14:30 - 16:00 Wednesday, 4th February, 2026
 Location: Grand Ballroom / Salon E
 Presentation type Invited Symposium
 Speakers:
 Mirella Diaz-Santos, PhD
 Duke Han, PhD, ABPP-CN
 Paola Suarez, PhD
 Desiree Byrd, PhD, ABPP-CN
 Scott A. Sperling, PsyD, PhD, ABPP-CN

Introduction:

CE: 1.5 Hours
 Level of Instruction: Intermediate

1088 Protecting Science, Promoting Brain Health:
 Advocacy Across the Neuropsychological Spectrum

Symposium 01: (Sullivan-Baca) The Female Advantage in
 Verbal Memory: Influence on Psychometrics and Diagnosis
 14:30 - 16:00 Wednesday, 4th February, 2026
 Location: Salon I (Level 5)
 Presentation type Symposium
 Introduction:

13 The Female Advantage in Verbal Memory:
 Influence on Psychometrics and Diagnosis
 Chair
 Erin Sullivan-Baca
 Neurocognitive Specialty Group, Dallas, Texas, USA
 Rachael Ellison
 Rosalind Franklin University of Medicine
 and Science, Chicago, Illinois, USA

Discussant (Optional)
 Summary Abstract
 Robust sex differences in verbal memory have been well-documented across the lifespan and in clinical populations. This symposium brings together empirical research exploring the underpinnings of this female advantage in verbal memory as well as implications of verbal memory differences for neuropsychological assessment and diagnosis. Despite being a foundational aspect of cognitive testing, the influence of biological sex on verbal performance is often overlooked in both research and clinical settings, leading to potential biases in the interpretation of cognitive change and impairment. Emerging evidence suggests that the verbal memory advantage in women may mask early cognitive decline, particularly in Alzheimer's disease (AD), where episodic memory is central to diagnosis. This masking effect may delay diagnosis in women or underestimate disease severity relative to men with comparable pathology. Conversely, mixed-sex normative expectations may overpathologize men, particularly in early-stage conditions such as Mild Cognitive Impairment (MCI). Incorporating sex-stratified norms has shown promise in improving diagnostic accuracy, but their use remains inconsistent across research and clinical settings. The symposium will critically evaluate how these differences intersect with diagnostic criteria, cognitive trajectories in neurodegenerative disease, and the development and use of sex-specific normative data. Presentations will highlight diverse methodologies and populations, with an emphasis on MCI and AD. Dr. Casaletto will share results from a CSF proteomics study identifying biological pathways underlying the female memory advantage. Findings revealed that proteins linked to synaptic and immune processes significantly mediated sex differences in memory, suggesting molecular targets for sex-specific biomarkers and interventions. Dr. Karstens will present findings on sex differences in verbal list learning among individuals with MCI and dementia using the Stricker Learning Span and regression-based normative data, underscoring the importance of sex-adjusted norms for accurate impairment detection. Dr. Sundermann will examine sex differences in the relationship between AD biomarkers and verbal memory decline across preclinical and MCI stages using longitudinal data from the Alzheimer's Disease Neuroimaging Initiative. Findings show that females demonstrate relative resilience to memory decline in the preclinical stage but steeper memory loss than males in the MCI stage. Dr. Rajah will present on sex differences and nonlinear patterns in age-related episodic memory decline across adulthood, showing a female-specific acceleration in spatial context memory decline beginning around age 50 and highlighting the role of endocrine aging in models of cognitive aging. Finally, Dr. Raskin will discuss her recent work on sex and age differences in prospective memory using the Memory for Intentions Screening Test (MIST). Results showed women generally outperformed men, particularly on verbal and long-delay tasks, with patterns

shifting across the lifespan, underscoring the importance of considering both sex and age in daily memory functioning. Together, these talks move beyond description of sex differences to practical application, emphasizing individualized approaches to neuropsychological evaluation. Incorporating sex-based norms and considering verbal memory advantages in diagnostic decision-making can increase equity in care, reduce misdiagnosis, and support earlier, more accurate detection of cognitive disorders. Attendees will gain a clearer understanding of the implications of sex differences in verbal memory for clinical practice and research.

Keyword 1

memory: normal

Keyword 2

memory disorders

Keyword 3

mild cognitive impairment

330 The Female Verbal Memory

Advantage: How Do Women Do It?

Rowan Saloner, Aya Boubezari, Joshua Downer, Emily W. Paolillo, Mark Sanderson-Cimino, Shubir Dutt, Claire Cadwallader, Coty Chen, Valentina Diaz, Julia Borger, Sophia Licata, Carina Lo, Lana Callies, Anna VandeBunte, Adam Boxer, Adam M. Staffaroni, Joel H. Kramer, Kaitlin B. Casaletto
University of California San Francisco,
San Francisco, California, USA

328 Sex Differences in Low Performance Rates on the Computer Adaptive Stricker Learning Span in Individuals with Mild Cognitive Impairment and Dementia
Aimee J. Karstens¹, Nikki Stricker², Ryan D. Frank², Elizabeth A. Boots², Winnie Z. Fan², Teresa J. Christianson², Walter Kremers², John L. Stricker², Mary M. Machulda², Michelle M. Mielke³, Jonathan Graff-Radford², Ron Petersen²
¹Rush University Medical Center, Chicago, Illinois, USA. ²Mayo Clinic, Rochester, Minnesota, USA. ³Wake Forest University School of Medicine, Winston-Salem, North Carolina, USA

321 Sex Differences in the Relationship of Biomarker Change to Memory Decline in Early Alzheimer's Disease
Erin E Sundermann¹, Sarah J Banks¹, Mark W Bondi¹, Maricedes Acosta Martinez², Anat Biegon², Lindsay J Rotblatt¹, Thomas Hildebrandt³
¹University of California San Diego, San Diego, California, USA. ²Renaissance School of Medicine at Stony Brook University, Stony Brook, New York, USA. ³Icahn School of Medicine at Mount Sinai, New York, New York, USA

325 Females Show Accelerated Age-Related Declines in Spatial Context Memory, but not Verbal Memory, at Midlife
Annalise Alita LaPlume^{1,2}, Rikki Lissaman^{3,4}, Julia Kearley⁴, Maria Natasha Rajah^{1,4}
¹Toronto Metropolitan University, Toronto, Canada. ²Trent University, Peterborough, Canada. ³Royal

Holloway, University of London, Surrey, United Kingdom. ⁴McGill University, Montreal, Canada

323 Sex Differences in Prospective Memory are Impacted by Age

Sarah A Raskin¹, Junny Nguyen¹, Navya Arora¹, Halanda Nguyen¹, Maria Matthew¹, Grace Carducci², Lauren Latimer¹, James Jacob¹, Adriana Laureano Mercado³
¹Trinity College, Hartford, Connecticut, USA. ²Institute of Living, Hartford HealthCare, Hartford, Connecticut, USA. ³University of Hartford, Hartford, Connecticut, USA

Symposium 02: (Papp) From paper to pixel: Innovations in digital approaches to detection and tracking of cognitive decline
14:30 - 16:00 Wednesday, 4th February, 2026
Location: Salon K (Level 5)
Presentation type Symposium
Introduction:

26 From paper to pixel: Innovations in digital approaches to detection and tracking of cognitive decline.

Chair

Kathryn Papp

Harvard Medical School, Boston, MA, USA

Josh Fox-Fuller

The Ohio State University Medical Center, Columbus, OH, USA

Discussant (Optional)

Summary Abstract

This symposium, sponsored by the INS Teleneuropsychology and Digital Technologies SIG, brings together leaders in digital neuropsychology to showcase emerging tools and approaches that are reshaping how cognition is assessed in both research and clinical contexts – a timely topic given this conference's theme of "Neuropsychology in the Age of Innovation." We highlight cutting-edge work on digital paradigms spanning multi-day learning curves, ecological momentary assessments, voice analytics, passive monitoring, and large-scale dissemination of validated platforms. Collectively, these projects highlight how digital methods may enhance detection of subtle cognitive and functional changes in older adults, capture the impact of daily-life contexts, and offer scalable cognitive detection and tracking in research and clinical settings. Dr. Kate Papp will summarize an emerging body of research showing how a diminished multi-day learning curve (captured over several days via smartphone) may represent an early failure in memory consolidation in preclinical Alzheimer's disease (AD) which precedes overt memory dysfunction on standard neuropsychological assessments. She will describe how combining a digital multi-day learning curve assessment with blood-based AD biomarkers (plasma pTau²¹⁷) offers a scalable approach to improving early risk stratification in preclinical AD. Dr. Martin Sliwinski will highlight advances in ecological momentary assessment (EMA), demonstrating the sensitivity

of smartphone-based EMA to contextual influences on cognition, such as neighborhood environments, and the detection of dynamic, within-person coupling between cognitive fluctuations and dementia-relevant risk factors like physical activity and social engagement. Dr. Katherine Gifford will review the role of digital voice biomarkers for early detection. Acoustic and linguistic features extracted from voice recordings during neuropsychological testing and spontaneous speech tasks show promise in differentiating cognitive and biomarker status, in some cases outperforming traditional test scores. She will describe ongoing work to probe the mechanistic underpinnings of these features and their associations with AD pathology. Dr. Katherine Hackett will discuss the use of passive monitoring via personal smartphones to infer early changes in cognition and behavior (e.g., few outgoing calls, less geographic diversity). She will address the feasibility and acceptability of passive digital monitoring among older adults including questions around data privacy and clinical utility. Finally, Dr. Kate Possin will share lessons learned from widespread dissemination of a tablet-based assessment tool (TabCAT) which has been used in more than 27,000 research encounters and 4,000 clinical encounters across 28 languages. She will highlight facilitators of adoption—including ease of use and a strong psychometric base—as well as ongoing challenges related to clinical workflow integration and interpretation of results. Together, these presentations illustrate recent innovations in cognitive assessment highlighting a range of digital approaches. These tools, if implemented thoughtfully, offer a scalable, culturally adaptable, and contextually rich means to transform how cognitive decline is detected, tracked, and ultimately prevented in the earliest stages of neurodegenerative disease.

Keyword 1

computerized neuropsychological testing

Keyword 2

technology

566 Using digital multi-day learning curves for scalable early detection and tracking of subtle cognitive decline in preclinical AD

Kathryn V Papp, Hairin Kim, Daniel Soberanes, Vivienne Lubbat, Iris Blotenberg, Mark Dubbelman, Rebecca Amariglio
Harvard Medical School, Boston, USA

532 Leveraging Ambulatory Cognitive Assessment to Study Daily Context and Modifiable Risks

Martin Sliwinski

Penn State University, University Park, PA, USA

924 Digital voice offers unique opportunities for early detection of cognitive impairment:

The Framingham Heart Study

Katherine Gifford, Huitong Ding
Boston University, Boston, USA

638 Passive Monitoring in Aging and Alzheimer's Disease: Feasibility, Acceptability, and Next Steps
Katherine Hackett¹, Heather Wurtz², Maria Loizos¹, Carolyn Zhu¹, Alex Federman¹, Mary Sano¹
¹Icahn School of Medicine at Mount Sinai, New York, NY, USA. ²University of Southern California, Los Angeles, CA, USA

595 Dissemination of Digital Cognitive Assessments in Research and in Primary Care: Lessons from TabCAT
Katherine L Possin

University of California San Francisco, San Francisco, CA, USA

Paper 01: Pediatric Brain Disorders

14:30 - 16:00 Wednesday, 4th February, 2026

Location: Salon B (Level 5)

Presentation type Paper Session

Moderator:

14:30 - 14:45

302 Community Resources Contribute to Adaptive Functioning in Pediatric Brain Tumor Patients

Anthony R Gioia¹, Rachel K Peterson^{1,2}

¹Kennedy Krieger Institute, Baltimore, MD, USA. ²Johns Hopkins University School of Medicine, Baltimore, MD, USA

14:45 - 15:00

177 Sleep Concerns and Cognitive Functioning in Survivors of Pediatric Medulloblastoma

Riley M. Damiano¹, Kristen Hoskinson^{2,3}, Donna Murdaugh⁴, Tobey MacDonald⁵, Tricia Z. King¹

¹Emory University, Nell Hodgson Woodruff School of Nursing, Atlanta, Georgia, USA. ²The Ohio State University College of Medicine, Columbus, Ohio, USA.

³Abigail Wexner Research Institute at Nationwide Children's Hospital, Columbus, Ohio, USA. ⁴University of Alabama at Birmingham, Heersink School of Medicine, Birmingham, Alabama, USA. ⁵Emory University, School of Medicine, Atlanta, Georgia, USA

15:00 - 15:15

1045 Neuropsychological Outcomes in Pediatric Brain Tumor Survivors Treated with Proton Radiation versus Surgery Only
Kimberly P Raghubar¹, William Whitehead¹, Heather Stancel¹, Krystal Christopher¹, Bryony Lucas¹,

Maheen Rizvi¹, Ankona Banerjee¹, Xiaotian Gao¹,

Arnold Paulino², David Grosshans², M. Fatih Okcu¹,

Murali Chintagumpala¹, Lisa S Kahalley¹

¹Baylor College of Medicine/Texas Children's Hospital, Houston, TX, USA. ²M.D. Anderson, Houston, TX, USA

15:15 - 15:30

931 Structural Limbic Volume as a Mediator of Behavior

Problems in Pediatric Traumatic Brain Injury

Sophia Jeng¹, Elisabeth A Wilde², William A Cunningham³, Kathryn Vannatta^{1,4}, Keith O Yeates⁵, Kristen R Hoskinson^{1,4}
¹Abigail Wexner Research Institute at Nationwide Children's Hospital, Columbus, Ohio, USA. ²University of Utah School of Medicine, Salt Lake City, Utah, USA. ³University of Toronto, Toronto, Ontario, Canada. ⁴The Ohio State University College of Medicine, Columbus, Ohio, USA. ⁵University of Calgary, Calgary, Alberta, Canada

15:30 - 15:45

560 Traumatic Brain Injury in Childhood and Adolescence: Relationship to Impulsivity, Behavioral Disorders, and Adverse Outcomes for an Incarcerated Male Adult Sample
 Alexis Tillman, Radhika Krishnamurthy
 Florida Institute of Technology, Melbourne, Florida, USA

15:45 - 16:00

334 Neurobehavioral Outcomes 1-Year Post Severe Traumatic Brain Injury: Associations with Sociodemographic, Injury-Related, Acute Clinical, and Pre- and Post-Injury Function Variables from the Approaches and Decisions in Acute Pediatric Traumatic Brain Injury Study
 Xi Yang¹, James F. Luther¹, Michael J. Bell², Stephen R. Wisniewski¹, Sue R. Beers¹, Amery Treble-Barna¹
¹University of Pittsburgh, Pittsburgh, Pennsylvania, USA. ²University of Texas Southwestern Medical Center, Dallas, Texas, USA

Paper 02: Performance Validity Across Populations

14:30 - 16:00 Wednesday, 4th February, 2026

Location: Salon D (Level 5)

Presentation type Paper Session

Moderator:

14:30 - 14:45

166 Stricter Cutoffs Strengthen PdPVTs Detection of Non-Credible Responding in Pediatric Concussion
 Kera R. Larson¹, Cynthia A. Ausin¹, Kelly Gettig¹, Kimberly Mooney¹, Ruth Seleznick²
¹University of Texas at Austin, Austin, TX, USA. ²Johns Hopkins All Children's Hospital, St. Petersburg, FL, USA

14:45 - 15:00

965 Innovative Approaches to Embedded Performance Validity Indicators in Pediatric Neuropsychological Assessment
 Megi Roko-Blanco, Jonathan Brett, Gesenia Sloan-Pena
 Nova Southeastern University, Fort Lauderdale, Florida, USA

15:00 - 15:15

960 Assessing the Reliability of the Pediatric Performance Validity Test Suite in a Clinical Sample
 Gesenia Sloan-Pena, Juliana Ortiz, Rosa Millan, Taylor Henley, Megi Roko-Blanco
 Nova Southeastern University, Fort Lauderdale, Florida, USA

15:15 - 15:30

621 Evaluation of Performance Validity Tests in a Community Sample: Rates of Invalid Performance and Normative Data for English and Spanish Speakers
 Joshua M. Garcia¹, Alexa S. Gonzalez¹, Christopher A. Krause¹, Kasey J. Escamilla¹, Edwin Duran¹, Santiago Sanchez Cabarcas¹, Luis D. Medina^{1,2}
¹University of Houston, Houston, Texas, USA. ²Baylor College of Medicine, Houston, Texas, USA

15:30 - 15:45

1034 Exploring Cognitive Intraindividual Variability and Performance Validity in Veterans With and Without Neurocognitive Impairment
 Jessica H. Stark^{1,2}, Joshua E. Caron¹, Stephen L. Aita³
¹VA Maine Healthcare System, Togus, ME, USA. ²Michigan Medicine, Ann Arbor, MI, USA. ³Whiddon College of Medicine at the University of South Alabama, Mobile, AL, USA

15:45 - 16:00

849 Comparing Performances Using Standard Versus Biomarker Free Normative Data on the Unified Data Set Version 3 in Those with Mild Cognitive Impairment
 Claire Pardo¹, Sophie Slyman¹, Kenneth Petscavage^{1,2}, Jonathan Reader², Arijit K Bhaumik², Robert J Spencer³, Judith Hidebrink², Henry Paulson², Bruno Giordani², Nicholas M Kaanan⁴, Alexandru D Iordan¹, Benjamin M Hampstead^{1,2,3}
¹University of Michigan, Ann Arbor, Michigan, USA. ²Michigan Alzheimer's Disease Research Center, Ann Arbor, Michigan, USA. ³Mental Health Service, VA Ann Arbor Healthcare System, Ann Arbor, Michigan, USA. ⁴Department of Translational Neuroscience, College of Human Medicine, Michigan State University, Grand Rapids, Michigan, USA

Poster 01: Cognitive Neuroscience & Neurotechnology

15:00 - 16:15 Wednesday, 4th February, 2026

Location: Franklin Hall B (Level 4)

Presentation type Poster Session

P1-01 Stress-Executive Function Relationships Among College Undergraduates

Aaron Ras, Xanthia Saganis, Katie Dorman, Kate Schneider, Rylee Bowie, D. Erik Everhart
 East Carolina University, Greenville, NC, USA

P1-02 Cognitive and Behavioral Indicators of Processing Efficiency: Associations Among Processing Speed

Index Scores and Conners Continuous Performance Test - Third Edition Reaction Time Across Age Groups
 Amanthi N. Ranatunga, Angelo Petracci, Cassandra Lewandowski, Kristen Mulcahy, Hannah Richardson
 Spalding University, Louisville, Kentucky, USA

P1-03 Examining the Interplay Between Objective

and Subjective Executive Function Measures: The Role of Anxiety and Depression in Young Adults
Angelica Galdamez-Avila¹, Adam T Schmidt^{1,2}
¹Texas Tech University, Lubbock, Texas, USA. ²Center of Excellence For Translational Neuroscience and Therapeutics (CTNT), TTU Health Sciences Center, Lubbock, Texas, USA

P1-04 Planning, Reasoning, and Substance-Related Criminogenic Risk in Justice-Involved Youth
Dylan R. Jenkins, Camden Morehead, Angelica M. Galdamez-Avila, Adam T. Schmidt
Texas Tech University, Lubbock, Texas, USA

P1-05 Error Awareness Following Acute Stress in Healthy Young Adults: Evidence from a Randomized Sham-Controlled Study
Eliza A. Young, Anna Wheeler, Thomas Baldwin, Margaret Hancock, Nathan Balls, Robert Flores, Kevin Olpin, Jacob Langston, Tanner Jensen, Michael Larson
Brigham Young University, Provo, UT, USA

P1-06 Relationship between Electroencephalography Connectivity in the Alpha and Theta bands and Self-Reported Executive Functioning
Jahnvi Pathuri¹, Ryan Krebs¹, Alina Dillahunt¹, Jin Bo¹, Renée Lajiness-O'Neill^{1,2,3}, Naomi Hashimoto¹
¹Eastern Michigan University, Ypsilanti, MI, USA.
²University of Pittsburgh, Pittsburgh, PA, USA.
³University of Michigan, Ann Arbor, MI, USA

P1-07 Resilience in the Sleep-Deprived Brain: Thalamocortical and Visual Network Preservation Tracks Cognitive Stability
Jungwon Cha, David Negelsbach, Alisa Huskey, Kathryn E. R. Kennedy, Jason Katz, Kymberly Henderson-Arredondo, A'mour Canty, Catherine Seader, Allie Jepson, Elizabeth Le, William D. S. Killgore
University of Arizona, Tucson, AZ, USA

P1-08 The Role of Maladaptive Coping Strategies on Impulsivity in Response to Shame in Behavioral Addiction
Keegan Sawin¹, David Kaufman¹, Rory Reid², Jeremiah Weinstock¹
¹Saint Louis University, Saint Louis, Missouri, USA.
²University of Nevada, Las Vegas, Las Vegas, Nevada, USA

P1-09 The Relationship Between Active Motor Threshold and Intelligence Quotient
Kennedy G. Ralph¹, Giana Spaulding¹, Rany Tarakji¹, Nikki Arrington^{1,2}
¹Georgia State University, Atlanta, GA, USA.
²Florida State University, Tallahassee, FL, USA

P1-10 The Effects of Effort on Fatigue and Brain Activity in Individuals with Traumatic Brain Injury
Maryia Strotsava, Ekaterina Dobryakova
Kessler Foundation, East Hanover, NJ, USA

P1-11 Substance Use and Sleep Quality: Impact on Executive Functioning Performance
Scott M Royce¹, Jessie J Tibbs², Analise Roccaforte³, Julia E Maietta⁴
¹University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA. ²Oklahoma City VA HCS, Oklahoma City, OK, USA. ³AdventHealth, Winter Park, FL, USA. ⁴Cornerstone Behavioral Health, Worcester, MA, USA

P1-12 The Influence of Depression, Anxiety, and Stress on Behavioral Inhibition in Virtual Reality
Suravi Sarkar, Leandro M Ledesma, Elena L Grigorenko
University of Houston, Houston, Texas, USA

P1-13 Growth Factor Proteins and a Potential Role in Executive Functioning
Tala Khatcherian¹, Jennifer Keller^{2,3}, William Tanguy¹
¹Palo Alto University, Palo Alto, California, USA. ²Stanford, Palo Alto, California, USA.
³Palo Alto University, Palo Alto, USA

P1-14 Poorer Sleep Impairs Inhibition of Responses Resulting in Loss of Reward During a Fear and Reward Conditioning Task: Preliminary Findings
Tristan A Benjamin, Jacklynn M Fitzgerald
Marquette University, Milwaukee, WI, USA

P1-15 Executive Functioning and Depressive Symptoms: The Mediating Role of Maladaptive Interpersonal Adjustment in a Midlife National Sample
Zakary Barron, Bee Yang, Karishma Patel
Roosevelt University, Chicago, IL, USA

P1-16 Lesion Correlates of Category-Specific Semantic Error Rates in Chronic Left-Hemisphere Stroke
Ellen F Krueger, Jeffrey R Binder, Sara B Pillay
Medical College of Wisconsin, Milwaukee, WI, USA

P1-17 Variability in Acoustic Features from a Memory Recall Test in Older Adults in Rural Tanzania
Farida Ollomy^{1,2}, Ednah Samwel^{1,2}, Jinying Chen^{3,4}, Hailey G. Ames^{5,6}, Ernest Mazigo⁷, Huitong Ding^{5,6}, Katherine Gifford^{5,6}, Cody Karjadi^{5,6}, Philip Joun⁵, Sherral Devine^{5,6}, Rhoda Au^{3,5,6,8,9}, Jim Todd^{1,7}
¹Catholic University of Health and Allied Sciences (CUHAS), Mwanza, Tanzania, United Republic of. ²Kilimanjaro Christian Medical University College, Kilimanjaro, Tanzania, United Republic of. ³Department of Medicine, Boston University Chobanian & Avedisian School of Medicine, Boston, Massachusetts, USA. ⁴Data Science Core, Boston University Chobanian & Avedisian School of Medicine, Boston, Massachusetts, USA. ⁵Department of Anatomy and Neurobiology, Boston University Chobanian & Avedisian School of Medicine, Boston, Massachusetts, USA. ⁶The Framingham Heart Study, Boston University Chobanian & Avedisian School of Medicine, Boston,

Massachusetts, USA. 7National Institute for Medical Research, Mwanza, Tanzania, United Republic of. 8Department of Epidemiology, Boston University School of Public Health, Boston, Massachusetts, USA. 9Sloan Epidemiology Center, Boston University Chobanian & Avedisian School of Medicine, Boston, Massachusetts, USA

P1-18 The Neuroanatomical Basis of Post-Stroke Phonological Dyslexia
Sachi Paul, Julie A. Fiez
University of Pittsburgh, Pittsburgh, PA, USA

P1-19 Relationships Between Electroencephalogram Event-Related Potential Components and Visual Memory Among Healthy College Students
Madeline Uretsky Resnick, Sen Lin, Rrutu Kurtakoti, Chi-Ming Chen
University of Connecticut, Storrs, CT, USA

P1-20 Sleep, Naps, and Memory in Young Adults
Stella Haralambou, Caitlin C. Dougher, Kayri K. Bartolotta, Lucy Kochman-Sabbatino, Hasib Mia, Molly Zimmerman
Fordham University, Bronx, NY, USA

P1-21 Functional Connectivity Correlates of Persistent Post-Concussive Symptoms and Post-Traumatic Stress Symptoms Following Mild Traumatic Brain Injury
Amelia Bermudez¹, Glenn Wylie^{2,3,4}, Hooman Azmi⁵, Chinwe Ogedegbe⁵, Gerald T. Voelbel^{1,6}
¹New York University, New York, NY, USA. ²Kessler Foundation, West Orange, NJ, USA. ³Department of Veterans Affairs, East Orange, NJ, USA. ⁴Rutgers University, Newark, NJ, USA. ⁵Hackensack Meridian Health Network, Hackensack, NJ, USA. ⁶New York University Langone Health, New York, NY, USA

P1-22 Rumination and Inhibitory Control in Suicidal Ideation: The Role of Explicit and Implicit Emotional Processing
Arooj Abid^{1,2}, Benjamin Swanson¹, Matt Judah¹
¹University of Arkansas, Fayetteville, AR, USA. ²Clement J. Zablocki VAMC, Milwaukee, WI, USA

P1-23 Neurocognitive Predictors of Vaping Reduction: Insights from Public Service Announcement Exposure and Machine Learning
Emily O Norton¹, Colleen Markey¹, Yidi Wang², Qiyao Peng², Lawrence Sweet¹, Jiaying Liu²
¹University of Georgia, Athens, GA, USA. ²University of California Santa Barbara, Santa Barbara, CA, USA

P1-24 Performance-Based Emotional Intelligence and Self-Reported Coping Self-Efficacy: Predicting Affect in a Stress Induction Paradigm
Hunter Howie, William D. S. Killgore
University of Arizona, Tucson, AZ, USA

P1-25 Perplexity of Social Inferences in

Participants With Hemispherectomy
Kameron J Rigg¹, Lynn K Paul², Warren S Brown¹
¹Fuller Graduate School of Psychology, Pasadena, California, USA. ²California Institute of Technology, Pasadena, California, USA

P1-26 Age-Related Differences in Salience-Executive Control Network Connectivity and their Association with Emotional Memory
Michael J. DiCalogero¹, Meghan D. Caulfield², Kathryn Devlin¹, Irene P. Kan³, Maria T. Schultheis¹, Evangelia G. Chrysikou¹
¹Drexel University, Philadelphia, PA, USA. ²Seton Hall University, South Orange, NJ, USA. ³Villanova University, Villanova, PA, USA

P1-27 Age Differences in Affective Forecasting Accuracy: Testing a Defocusing Intervention During the 2024 United States Presidential Election
Michael Sobel Misieczko, Sarah J Barber
Georgia State University, Atlanta, GA, USA

P1-28 Negative Affect in Adolescents with Remitted Depression: Exploring the Roles of Executive Function, Rumination, and Daily Negative Experiences
Ross Divers¹, Matthew Thompson¹, Leah Thomas¹, Katie Bessette², Brian Farstead³, Henrietta Roberts⁴, Alina Dillahunt⁵, Edward Watkins⁴, Sheila Crowell⁶, Scott A Langenecker¹, Mindy Westlund Schreiner^{7,1}
¹The Ohio State University Wexner Medical Center, Columbus, Ohio, USA. ²University of California, Los Angeles, Los Angeles, California, USA. ³University of Southern Mississippi, Hattiesburg, Mississippi, USA. ⁴University of Exeter, Exeter, United Kingdom. ⁵Eastern Michigan University, Ypsilanti, Michigan, USA. ⁶University of Oregon, Eugene, Oregon, USA. ⁷Nationwide Children's Hospital, Columbus, Ohio, USA

P1-29 The Role of Visual Perspective-Taking in Children's Spatial Updating
Mikayla Haas, Laura Lakusta, Yingying Yang
Montclair State University, Montclair, NJ, USA

P1-30 Effectiveness of Technology-Enhanced Cognitive Remediation on Cognition and Everyday Functions in Adults with Acquired Brain Injury: A Systematic Review
Noga Katz, Amy Ransohoff Brisson, Katherine Tarazona Sanchez, Gerald T. Voelbel
New York University, New York, NY, USA

P1-31 Thesis Executive Functions Experiences: Content Validity Evidence of a Game-Based Assessment for Evaluating Executive Functions in Children
Andressa AP. G. G. Salem¹, Bernardo B. de Cerqueira¹, Eduardo L. Scheffler¹, Michele Barth¹, Letícia L. Scheffler¹, Martina A. Cera¹, Natália M. Dias², Caroline de O. Cardoso¹, Débora N. F. Barbosa¹

1Feevale University, Novo Hamburgo, RS, Brazil. 2Federal University of Santa Catarina, Florianópolis, SC, Brazil

P1-32 Reliability of Acoustic Metrics Derived from Remotely Collected Speech Samples Across Tasks and Clinical Subgroups

Anjali Sadarangani¹, Mark E. Sanderson-Cimino¹, Kaitlin B. Casaletto¹, Sreya Dhanam¹, Joshua Downer¹, Ray Fregly¹, Ashley Heywood¹, Joel H. Kramer¹, Emily W. Paolillo¹, Jack Taylor¹, Hilary Heuer¹, Leah K. Forsberg², Brad F. Boeve², Howie J. Rosen¹, Adam L. Boxer¹, Adam P. Vogel³, Jet M.J. Vonk¹, Adam M. Staffaroni¹
1Memory and Aging Center, Department of Neurology, Weill Institute for Neurosciences, UCSF, San Francisco, CA, USA. 2Department of Neurology, Mayo Clinic, Rochester, MN, USA. 3Centre for Neuroscience of Speech, The University of Melbourne, Australia, Redenlab Ltd., Melbourne, Australia

P1-33 Development and Validation of the African Market Test and African Proverbs Test in a Sample of Congolese Older Adults
Caterina Obenauf^{1,2}, Anthony Y Stringer³, Jean N Ikanga^{3,4,5}

1University of Tennessee, Knoxville, TN, USA. 2Emory University School of Medicine, Atlanta, GA, USA. 3Emory University, Atlanta, GA, USA. 4University of Kinshasa, Kinshasa, Congo, the Democratic Republic of the. 5Catholic University of Congo, Kinshasa, Congo, the Democratic Republic of the

P1-34 Self-Perceived Fatigue as a Predictor of Psychomotor Vigilance Under Total Sleep Deprivation
Catherine Seader, Jungwon Cha, Alisa Huskey, David Negelsbach, Kathryn E.R. Kennedy, Jason Katz, Kymberly Henderson-Arredondo, Allie Jepson, William D.S. Killgore
University of Arizona, Tucson, AZ, USA

P1-35 A Proof-of-Concept Study for a Proposed Battery for Long-Term Memory in Young Adults
Christopher M. Reed^{1,2}, Sarah D. Patrick^{1,2}, Carrington R. Wendell³, Shari R. Waldstein³, Robert J. Spencer^{1,2,3}
1Mental Health Service, VA Ann Arbor Healthcare System, Ann Arbor, MI, USA. 2Department of Psychiatry, Michigan Medicine, Ann Arbor, MI, USA. 3Department of Psychology, University of Maryland, Baltimore County, Baltimore, MD, USA

P1-36 The Cognitive Structure of the Multilingual Aphasia Examination, Token Test: Factor Analytic Findings Using the Wechsler Adult Intelligence Scale, 4th Edition
Colin Simsarian¹, Brenda E. Hammond¹, Holly McGrath¹, James A. Moses²
1Palo Alto University, Palo Alto, California, USA. 2Palo Alto Veterans Affairs Healthcare System, Palo Alto, California, USA

P1-37 Cognitive Predictors of Performance on

a Relational Frame Theory-Based Task
Colt M Halter, John L Woodard
Wayne State University, Detroit, MI, USA

P1-38 Lexical Fillers, Apolipoprotein E4 Status, and Episodic Specificity in Past and Future Autobiographical Thinking
Daniel E. Cohen¹, Jonas Klus¹, Mateo Espinoza¹, Rachel Daelemans¹, Valeria Pfeifer², Jessica R. Andrews-Hanna¹, Matthias R. Mehl¹, Matthew D. Grilli¹
1University of Arizona, Tucson, AZ, USA. 2University of Missouri - Kansas City, Kansas City, MO, USA

P1-39 Seconds to Spare: Validity of Abbreviated Verbal Fluency Tests
Hannah M Lovato, Matthew Calamia
Louisiana State University, Baton Rouge, LA, USA

P1-40 Defining Behavioral Variability is Tricky: Discrepant Associations Between Passive Metrics of Mobility Variability and Conventional Measures of Cognition and Depression
Katherine Hackett¹, Sophia Holmqvist², Moira McKniff², Marina Kaplan², Riya Chaturvedi², Andrew Aschenbrenner³, Jason Hassenstab⁴, Tania Giovannetti²
1Cahn School of Medicine at Mount Sinai, New York, NY, USA. 2Temple University, Philadelphia, PA, USA. 3University of Kansas Medical Center, Kansas City, KS, USA. 4Washington University in St. Louis, St. Louis, MO, USA

P1-41 Digital Neuropsychological Insights into Menopausal Symptoms and Cognitive Functioning
Kavya Jhaveri¹, Teresa Facchetti¹, Sandra Rizer¹, Arielle Mach¹, Sarah Tom¹, Jillian Joyce², Silvia Chapman¹, Mary Rosser¹, Karen Marder¹, Stephanie Cosentino¹
1Columbia University Irving Medical Center, New York, NY, USA. 2University of Southern California, Los Angeles, CA, USA

P1-42 Differential Associations Between Raw and Demographically Adjusted Cognitive Scores and Measures of Everyday Functioning
Marina Kaplan, Moira McKniff, Sophia Holmqvist, Kimberly Halberstadter, Molly B Tassoni, Stephanie M Simone, Tania Giovannetti
Temple University, Philadelphia, PA, USA

P1-43 The Memory Integrated Language Test: Cross-Validation of a Novel Web-Based Performance Validity Test
Mira I Leese^{1,2}, Jason R Soble², Scot K Hill¹
1Department of Psychology, Rosalind Franklin University of Medicine and Science, North Chicago, IL, USA. 2Department of Psychiatry, University of Illinois Chicago, Chicago, IL, USA

P1-44 Validation of an Online Interhemispheric Transfer Time Measure
Nathan M LeFebvre¹, Warren S Brown¹, Connor M Stephenson¹, Tessa S Rusch², Lynn K Paul²

1Fuller Graduate School of Psychology,
Pasadena, California, USA. 2California Institute
of Technology, Pasadena, California, USA

P1-45 Regression-based Normative Data in Argentina:
RAVLT, Digit Span, Trail Making Test, and Verbal Fluency.
Nicolás Corvalán¹, Florentina Morello-
García², Samanta Leiva³, Lucía Crivelli²
¹Fleni, Buenos Aires, Argentina. ²INEU-FLENI, Buenos
Aires, Argentina. ³LICH-UNSAM, Buenos Aires, Argentina

P1-46 We Can't Train Neuropsychologists Since We Don't
Have Tests, And We Can't Get Funding for Test Adaptations
If There Are No Neuropsychologists To Use Them:
Lithuania's Solution For The Chicken-And-Egg Problem
Ramune Dirvanskienė¹, Diana Venckunaite¹,
Raimonda Petroliene², Ginte Sabaliauskaite²,
Jolanta Zilinskiene², Aiste Pranckeviciene²
¹Vilnius University, Vilnius, Lithuania. ²Lithuanian
University of Health Sciences, Kaunas, Lithuania

P1-47 Parsing the Pulse: A Standardized Framework
for Electrodermal Activity, Heart Rate Variability,
and Respiratory Sinus Arrhythmia Analysis
Samreen Randhawa¹, Barbara Kinsella-
Kammerer², Yoko Nomura^{2,3,4}
¹Simon Fraser University, Burnaby, British Columbia,
Canada. ²Queens College, Flushing, New York, USA. ³CUNY
Graduate Center, New York, New York, USA. ⁴Icahn School
of Medicine at Mount Sinai, New York, New York, USA

P1-48 A Principal Component Analysis of Passive
Digital Biomarkers among Older Adults
Sidonia E Compton¹, Yufei Shen², Edison Thomaz²,
Rosemary A Lester-Smith², Justin F. Rousseau^{3,4},
Estefanie Garduno Rapp⁴, June Cui², Ethan
Biswas², Nayanika Ghosh², Jared F Benge¹
¹The University of Texas at Austin Dell Medical School,
Austin, Texas, USA. ²The University of Texas at
Austin, Austin, Texas, USA. ³Peter O'Donnell Jr. Brain
Institute, Dallas, Texas, USA. ⁴The University of Texas
Southwestern Medical Center, Dallas, Texas, USA

P1-49 Survey of Artificial Intelligence Approaches
in Neuropsychological Assessment Scoring
Sreenath S Panchagnula, Lana T Samuel
Jackson State University, Jackson, Mississippi, USA

P1-50 Rapid Estimation of Sensorimotor Control
in the Continuous Performance Critical Stability
Task Predicts Cognitive Ability, Academic
Achievement, and Cardiorespiratory Fitness
Anna MacKay-Brandt¹, Daniel Garcia-Barnett¹,
Elaine Gazes¹, Stan Colcombe^{1,2,3}
¹Nathan Kline Institute for Psychiatric Research,
Orangeburg, NY, USA. ²New York University
- Grossman School of Medicine, NY, NY, USA.

3Child Mind Institute, NY, NY, USA

P1-51 A Performance Validity Study: The Coin-in-the-
Hand Test Administered in an Older Adult Sample
Whitney D Allen, Anna Claire Franklin, Hannah Schweitzer,
Joshua Finney, Alison Barron, Cierra Daniels, Jonah Newsom,
Jennifer Gess, Jennifer Kleiner, Hilary Clark, Lee Isaac
University of Arkansas for Medical
Sciences, Little Rock, AR, USA

P1-52 The Role of Brain Fluid Exchange in Frontal-
Subcortical Function: Differential Associations
with Letter and Semantic Fluency
Faith Kimmet, Teng Peng, Rachael Seidler, Sumire Sato,
Seda Tasci, Yonah Joffe, Jared Tanner, Catherine Price
University of Florida, Gainesville, FL, USA

P1-53 Characterizing Cognitive Heterogeneity
and Longitudinal Functional Connectivity
in First-Episode Psychosis
Hillary N Patton, Jose O Maximo, Lauren
Luther, Eric E Nelson, Adrienne C Lahti
University of Alabama at Birmingham, Birmingham, AL, USA

P1-54 Using Clinical Blood Biomarkers to Evaluate
Physiological Influences on Pediatric Brain MRI
Katherine Cyr, Shivaram Karandikar, Dabriel
Zimmerman, Benjamin Jung, Aaron Alexander-Bloch
Children's Hospital of Philadelphia, Philadelphia, PA, USA

P1-55 Neural Correlates of Self-Perceived Invincibility:
Resting State Connectivity and Intrinsic Activity
Laura C Beaman^{1,2}, Jung won Cha¹, William D. S. Killgore¹
¹University of Arizona, Tucson, AZ, USA.
²Arizona State University, Tempe, AZ, USA

P1-56 NeuroGAN-3D: Enhancing Intrinsic
Functional Brain Networks in Autism via High-
Fidelity 3D Generative Super-Resolution
M. Moein Esfahani^{1,2}, Sepehr Salem², Mohammad
Alser², Jingyu Liu², Vince Calhoun²
¹Center for Translational Research in Neuroimaging
and Data Science (TReNDS), Atlanta, Georgia, USA.
²Georgia State University, Atlanta, Georgia, USA

P1-57 Resting-State Functional Connectivity
Alterations in Major Depressive Disorder
Malvika Sridhar, Sir-Lord Wiafe, Bradley
Thomas Baker, Vince D Calhoun
Georgia State University, Atlanta, GA, USA

P1-58 Design and Testing of an Adjustable and More
Inclusive Functional Near-Infrared Spectroscopy (fNIRS) Cap
Nikhil Bhimireddy
Nationwide Children's Hospital, Columbus, Ohio, USA

P1-59 The Fast and the Curious: Dissecting

the Relationship between Dynamic Functional Connectivity and Information Processing Speed
Olivia Haller¹, Sir-Lord Wiafe², Zening Fu², Junqiang Dai¹, Ashley Ware³, Vince Calhoun², Tricia King⁴
¹Department of Psychology, Georgia State University, Atlanta, GA, USA. ²Tri-Institutional Center for Translational Research in Neuroimaging and Data Science (TReNDS), Georgia State University, Georgia Institute of Technology, Emory University, Atlanta, GA, USA. ³Department of Psychology and Neurology, University of Utah, Salt Lake City, UT, USA. ⁴Nell Hodgson Woodruff School of Nursing, Emory University, Atlanta, GA, USA

P1-60 Differential Associations of Systemic Risk Factors on Default Mode Network Functional Connectivity Within Young Veterans
Shira Hao, Emily J. Van Etten, Caitlin M. Bolduc, Arielle R. Knight, Aubrey A. Knoff, William P. Milberg, Catherine B. Fortier, David H. Salat
VA Boston Healthcare System, Boston, MA, USA

P1-61 Inter-individual Variability in TMS-derived Neurophysiological Measures is Largely Independent of Common Psychoactive Medications in Cognitively Intact and Impaired Older Adults
Charlene Garcia¹, Quentin Devignes¹, Risto Crouse¹, Kenneth Petscavage^{1,2}, Michael Vesia¹, Alexandru D. Iordan^{1,2}, Benjamin M. Hampstead^{1,2,3}
¹University of Michigan, Ann Arbor, Michigan, USA. ²Michigan Alzheimer's Disease Center, Ann Arbor, Michigan, USA. ³VA Ann Arbor Healthcare System, Ann Arbor, Michigan, USA

P1-62 Toward Virtual Disconnection Mapping: The Impact of Ultra High Frequency Direct Electrical Stimulation of White Matter on Cognition and Effective Connectivity
Mark Bowren, Christopher Petkov, Matthew Howard
University of Iowa, Iowa City, USA

P1-63 Investigating the Relationship Between Electric Field Modeling and Face-Name Associative Memory in Older Adults with Mild Cognitive Impairment
Sarah L Norman¹, Yilin Liu¹, Jacob M Green¹, Lisbeth G Haaheim¹, Hannah M Siu¹, Moritz Dannhauer^{2,3}, Ying-hui Chou^{1,4}
¹University of Arizona, Tucson, Arizona, USA. ²East Carolina University, Greenville, North Carolina, USA. ³Alliance for Brain Stimulation, East Carolina University, Greenville, North Carolina, USA. ⁴Evelyn F. McKnight Brain Institute, Arizona Center on Aging, BIO5 Institute, University of Arizona, Tucson, Arizona, USA

P1-64 Cognitive Enhancement in Late-Life Depression Using Targeted Multi-Modal Techniques: Preliminary Evidence
Sarah M. Szymkowicz¹, Warren D Taylor¹, Adam J Woods², Sarah Shizuko Morimoto³
¹Vanderbilt University Medical Center, Nashville,

TN, USA. ²University of Texas at Dallas, Dallas, TX, USA. ³University of Utah, Salt Lake City, UT, USA

P1-65 Resting-State and Task-Based fMRI Reveal Distinct Network Signatures of Prefrontal tDCS in Cognitive Aging
Tyler A Busch, Angus MacGregor, Andrew O'Shea, Kevin Iversen, Jared J Tanner, Aprinda I Queen
The University of Florida, Gainesville, FL, USA

P1-66 Neuropsychological Performance Following Deep Brain Stimulation for Parkinson's Disease Under Local or General Anesthesia
Winnie W Ng, Alexander I. Tröster
Barrow Neurological Institute, Phoenix, AZ, USA

P1-67 Setting the Mood: The Relationship Between Resting State Electroencephalogram Alpha Beta Ratios and Emotional State
Celeste Reames, Kenneth Gomien, Emily Maher, Eva Burch, Jack Shelley-Tremblay, Benjamin Hill
University of South Alabama, Mobile, AL, USA

P1-68 Breaking barriers in cognitive assessment: Telephone-based cognitive screening in Parkinson's disease
Angelica De Sandi¹, Edoardo Nicolò Aiello², Federica Verardo³, Denise Mellace³, Angelica Marfoli³, Carlo Manzoni³, Stefano Zago¹, Fabrizio Pisano⁴, Gabriella Santangelo⁵, Enrico Mailland¹, Eleonora Zirone¹, Francesca Mameli¹, Barbara Poletti^{2,3}, Filippo Cogiamanian¹, Roberta Ferrucci^{3,1}
¹Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy. ²Department of Neurology and Laboratory of Neuroscience, IRCCS Istituto Auxologico Italiano, Milan, Italy. ³Department of Oncology and Hemato-Oncology, University of Milan, Milan, Italy. ⁴Neurological Rehabilitation, Policlinico San Marco, Gruppo San Donato, Zingonia, Bergamo, Italy. ⁵Department of Psychology, University of Campania "Luigi Vanvitelli", Caserta, Italy

P1-69 Emerging Technologies in Neuropsychological Assessment: The TAP-COG Tablet Battery
Denise Mellace¹, Edoardo N. Aiello², Roberto Prandin¹, Sara Marceglia¹, Barbara Poletti², Carlo Manzoni¹, Angelica De Sandi³, Stefano Zago³, Roberta Ferrucci^{1,3}
¹University of Milan, Milan, Italy. ²IRCCS Istituto Auxologico Italiano,, Milan, Italy. ³Foundation IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy

P1-70 The Psychometrics and Cognitive Correlates of an Abbreviated Version of the Verbal Naming Test Administered Via Telephone
Dhruvi M. Mehta¹, Jennifer L. Thompson Kamar^{1,2}, Troy A. Webber^{1,3}, Romeo Penheiro¹, Natalie C. Ridgely¹, David Andrés González⁴, Steven Paul Woods¹
¹University of Houston, Houston, TX, USA. ²West Los Angeles VA Medical Center, Los Angeles, CA, USA. ³Baylor College of Medicine, Houston, TX, USA.

4Rush University Medical Center, Chicago, IL, USA

P1-71 Evidence for Age- and Sex-Related Changes in MoCA Scores and Hippocampal Subfield Volume During Healthy Aging
Megan C Hall¹, Giorgia Picci^{1,2}, Maggie P Rempe^{1,3}, Jason A John¹, Lauren K Webert¹, Hannah J Okelberry¹, Hallie J Johnson¹, Lucy K Horne¹, Madelyn P Willett¹, Ryan Glesinger¹, Danielle L Rice¹, Anna T Coutant¹, Kennedy A Kress¹, Grant M Garrison¹, Seth Bashford¹, Rachel K Spooner¹, Tony W Wilson¹
¹Institute for Human Neuroscience, Boys Town National Research Hospital, Boys Town, NE, USA. ²Department of Pharmacology & Neuroscience, Creighton University, Omaha, NE, USA. ³College of Medicine, University of Nebraska Medical Center, Omaha, NE, USA

P1-72 The Criteria for Apathy in Neurocognitive Disorders Inventory - Self-Screener (CANDI-SS): A Rapid Symptom Inventory to Screen for the 2021 Consensus Criteria for Apathy Diagnosis in Neurocognitive Disorders
Bonnie M Scott¹, Anika Bhatia¹, Robin C Hilsabeck²
¹The University of Texas at Austin Dell Medical School, Austin, Texas, USA. ²Department of Neurology at The University of Texas Health Science Center at San Antonio, San Antonio, Texas, USA

Coffee Break
16:00 - 16:15 Wednesday, 4th February, 2026
Location: Franklin Hall B (Level 4)
Presentation type Other

Welcome
16:15 - 16:30 Wednesday, 4th February, 2026
Location: Grand Ballroom / Salon E
Presentation type Program
Speakers:

Plenary A (INS Capstone Lecture):
Neuroimaging in the Age of Innovation
16:30 - 17:30 Wednesday, 4th February, 2026
Location: Grand Ballroom / Salon E
Presentation type Plenary
Speaker:
Vince Calhoun, PhD

Introduction:

CE: 1 Hour
Level of Instruction: Introductory

1185 Neuroimaging in the Age of Innovation

Awards Ceremony
17:30 - 18:30 Wednesday, 4th February, 2026
Location: Grand Ballroom / Salon E
Presentation type INS Awards

Welcome Reception
18:30 - 20:00 Wednesday, 4th February, 2026
Location: Grand Ballroom Foyer (Level 5)
Presentation type INS Event

CE Workshop 07: Beyond "90% specificity": Statistical Advances in Interpreting Performance Validity Tests
07:00 - 08:50 Thursday, 5th February, 2026
Location: Salon I (Level 5)
Presentation type CE Workshop (Pre-Registration Required)
Introduction:
Kylie Kadey, PhD

Speakers:
Robert Spencer, PhD, ABN, ABPP-CN

CE: 1.5 Hours
Level of Instruction: Intermediate

*This workshop includes a continental breakfast from 7:00-7:15. The session begins promptly at 7:20am.

1080 Beyond "90% specificity": Statistical Advances in Interpreting Performance Validity Tests

CE Workshop 08: An Update on Blood-based Biomarkers for Alzheimer's Disease and Related Dementias
07:00 - 08:50 Thursday, 5th February, 2026
Location: Salon K (Level 5)
Presentation type CE Workshop (Pre-Registration Required)
Introduction:
Marcy Adler, PsyD

Speakers:
Nick Kanaan, PhD

CE: 1.5 Hours
Level of Instruction: Intermediate

*This workshop includes a continental breakfast from 7:00-7:15. The session begins promptly at 7:20am.

1184 An Update on Blood-based Biomarkers for Alzheimer's Disease and Related Dementias

WINDS SIG Members Meeting
08:00 - 08:50 Thursday, 5th February, 2026
Location: Salon B (Level 5)
Presentation type SIG Meeting

Neuropsych Intervention SIG Members Meeting
08:00 - 08:50 Thursday, 5th February, 2026
Location: Salon D (Level 5)
Presentation type SIG Meeting
Representative: Amanda Wisinger, PsyD

Exhibits Open

08:30 - 10:45 Thursday, 5th February, 2026

Location: Franklin Hall B (Level 4)

Presentation type Exhibitors & Sponsors

Invited Symposium 02: (Harvey) Digital

Phenotyping as the next Generation Strategy

for Neuropsychological Assessment: Remote

Cognitive Assessment, Active and Passive Digital

Phenotyping and Their Integration and Synergy

09:00 - 10:30 Thursday, 5th February, 2026

Location: Grand Ballroom / Salon E

Presentation type Invited Symposium

Speakers:

Philip Harvey, PhD

Gregory P. Strauss, PhD

Raeanne C. Moore, PhD

Introduction:

CE: 1.5 Hours

Level of Instruction: Intermediate

1059 Digital Phenotyping as the next Generation

Strategy for Neuropsychological Assessment: Remote

Cognitive Assessment, Active and Passive Digital

Phenotyping and Their Integration and Synergy

Symposium 03: (Heindel) Cognitive Reserve

from a Life Course Perspective: Findings

from the New England Family Study

09:00 - 10:30 Thursday, 5th February, 2026

Location: Salon I (Level 5)

Presentation type Symposium

Introduction:

41 Cognitive Reserve from a Life Course Perspective:

Findings from the New England Family Study

Chair

William C. Heindel

Brown University, Providence, RI, USA

Discussant (Optional)

Summary Abstract

The concept of reserve has been developed to account for the large individual differences in cognitive aging trajectories displayed by older adults, with cumulative life experiences serving as potential determinants of reserve. However, our efforts to understand the mechanisms of reserve have been hampered by limitations associated with cross-sectional studies. For example, it is difficult to determine whether a given factor contributes more to preserved differentiation or differential preservation: That is, cross-sectional differences in cognitive function observed in older adults could be due to either preexisting individual differences in cognitive ability or individual differences in the rate of cognitive decline from their peak level of cognitive ability. It is also difficult to determine whether

factors directly affect cognitive outcomes or act indirectly through upstream or downstream influences. For example, education is often used as a proxy measure of reserve in part because of its frequent association with age-related cognitive outcomes. However, these findings may instead be due to either reverse causation (i.e., individuals with greater early-life cognitive ability are more likely to attain more education) or to subsequent adult lifestyle factors (i.e., individuals with higher education pursue occupations that provide more enriching activities later in life). Given these challenges, a clearer understanding of the determinants and mechanisms of reserve necessitates the use of longitudinal cohorts that can provide: 1) prospective measures of early childhood cognitive ability; 2) repeated assessments of adult cognition across a sufficiently large time window to capture cognitive decline; 3) prospective measures of sociobehavioral factors spanning childhood through late adulthood; and 4) neuroimaging measures to assess the neural substrates of reserve. This symposium addresses these challenges by presenting a set of findings from the New England Family Study (NEFS), a unique prenatal longitudinal cohort that has been followed for 60 years. The NEFS originally involved systematic data collection from pregnancy through age 7 years, including measures of early childhood IQ, family SES, and childhood adversity. A subset of these participants was subsequently reassessed at age 35, and now age 60, with comprehensive neuropsychological and sociobehavioral test batteries. At age 60, participants also provided blood and saliva for plasma biomarkers and APOE genotyping and underwent structural and functional MRI to provide operationally defined brain measures of reserve. The four talks in this symposium highlight complementary perspectives on the determinants and mechanisms of reserve. Korthauer et al. leverage this cohort to examine early life contributors to cognitive level and decline in older adults. Blujus et al. then investigate the association between locus coeruleus integrity and cognitive level and decline in individuals at increased risk for pathological aging, while Festa et al. examine the differential associations of subjective memory concerns and cognitive engagement with cognitive level and decline. Lastly, Hu et al. examine whether engagement in mid-life social cognitive leisure activities is associated with cognitive level and decline. Taken together, their findings provide new insights into the determinants and mechanisms of cognitive reserve and highlight the importance of longitudinal cohorts in the study of healthy and pathological aging.

Keyword 1
aging (normal)

Keyword 2
cognitive reserve

Keyword 3
aging disorders

855 Early Life Factors Contribute to Associations between Educational Attainment and Cognitive Performance in Late Middle Age

Laura E. Korthauer, Stephen P. Buka, Elena K. Festa, Jenna K. Blujus, Michelle L. Rogers, George D. Papandonatos, William C. Heindel
Brown University, Providence, RI, USA

888 Engagement in Mid-life Social Cognitive Leisure Activity Predicts Cognitive Reserve in Older Adults
Yi-Fei Hu, Laura E. Korthauer, Elena K. Festa, Jenna K. Blujus, Jo-Ann L. Donatelli, Michelle L. Rogers, George D. Papandonatos, William C. Heindel, Stephen P. Buka
Brown University, Providence, RI, USA

880 Differential Associations of Subjective Memory Concerns and Cognitive Engagement with Current Cognitive Performance and 25-Year Cognitive Decline
Elena K. Festa, Laura E. Korthauer, Yi-Fei Hu, Jenna K. Blujus, Michelle L. Rogers, George D. Papandonatos, Stephen P. Buka, William C. Heindel
Brown University, Providence, RI, USA

868 Cognitive Change over 25 Years in Individuals at High Risk for Pathological Aging is Predictive of in vivo Locus Coeruleus Integrity at age 60
Jenna K. Blujus¹, Heidi IL. Jacobs^{2,3}, Elena K. Festa¹, Laura E. Korthauer¹, Hwamee Oh¹, Samantha M. DeLong¹, Michelle L. Rogers¹, George D. Papandonatos¹, Stephen P. Buka¹, William C. Heindel¹
¹Brown University, Providence, RI, USA.
²Massachusetts General Hospital, Boston, MA, USA.
³Harvard University, Cambridge, MA, USA

Symposium 04: (Gujral) Behavioral Interventions to Promote Resilience to Cognitive Aging: Mindfulness, Exercise, and Cognitive Training
09:00 - 10:30 Thursday, 5th February, 2026
Location: Salon K (Level 5)
Presentation type Symposium
Introduction:

17 Behavioral Interventions to Promote Resilience to Cognitive Aging: Mindfulness, Exercise, and Cognitive Training
Chair
Swathi Gujral
University of Pittsburgh, Pittsburgh, PA, USA
Discussant (Optional)
Summary Abstract
Several behavioral interventions have shown promise in promoting healthy cognitive aging, ranging from mindfulness, to social engagement, exercise, and cognitive training. Yet, key gaps in our knowledge remain regarding how the cognitive benefits of each of these interventions translate to geriatric populations at various stages of cognitive decline (i.e., cognitively unimpaired vs. mild cognitive impairment) and to those with comorbidities (e.g., late-life depression) that heighten dementia risk. Further, there is a need to examine the added value of multi-modal

behavioral interventions in targeting cognitive aging. This symposium highlights work from five recently completed behavioral clinical trials targeting cognitive aging in older adults using a comprehensive neuropsychological assessment approach. Dr. Madhura Phansikar will present intervention outcomes from the HealthyAgers study, randomized controlled trial (n=150) comparing the effects of an 8-week Mindfulness-based Stress Reduction (MBSR) intervention to a lifestyle education intervention to improving attention and cognition more broadly. The results of this methodologically rigorous trial suggested MBSR and lifestyle education were both comparably effective in improving sustained attention and global cognition. Dr. Lauren Oberlin will present baseline data from the IGNITE study, a multi-center Phase III clinical trial (n=648) examining the dose-response effects of 12 months of exercise on cognitive and brain aging in cognitively unimpaired older adults. Baseline data from this trial indicate that higher cardiorespiratory fitness levels relate to better cognitive performance in multiple domains including episodic memory, processing speed, and executive functioning, specifically in women and those with lower levels of education. Dr. Swathi Gujral will present baseline data from the FITBOLD study, a clinical trial (n=48) examining the effects of 6 months of 150 weekly minutes of aerobic exercise relative to social engagement in targeting cognition and brain health in older adults with remitted late-life depression. Clinical diagnostic adjudications at baseline revealed that 52% of the sample met criteria for a research diagnosis of Mild Cognitive Impairment (MCI). Memory impairment but not MCI status, related to higher estimated brain age and elevated symptoms of anxiety and depression were both linked to accelerated brain aging. Dr. Louis Bherer will present intervention outcomes from the SYNERGIC trial (n=175), a factorial trial examining the effects of aerobic and resistance exercise, cognitive training, and Vitamin D supplementation on cognition in older adults with Mild Cognitive Impairment. He will discuss the role of baseline cognitive profiles in predicting responders vs. non-responders across intervention arms. Dr. Meryl Butters will present intervention outcomes from the PACT-MD trial (n=375), a combined intervention of cognitive remediation and transcranial direct current stimulation (tDCS) targeting cognition in older adults with remitted late-life depression, MCI, or both. The results suggest that cognitive remediation and tDCS together are effective in improving cognition among those with remitted late-life depression, with or without MCI. Through these presentations, we will gain a nuanced understanding of the cognitive benefits of several behavioral interventions in aging, doses and combinations of intervention modalities that are most beneficial, and subpopulations who may show the greatest cognitive gains.

Keyword 1

clinical trials

Keyword 2

brain health/positive neuropsychology

Keyword 3

aging disorders

369 HealthyAgers: Results from a Mindfulness-Based Randomized Controlled Trial in Older Adults
Madhura Phansikar¹, Megan Fisher¹, Elizabeth Duraney¹, James Teng¹, Anita Shankar¹, Mike McKenna¹, Stephanie Aghamoosa², Rebecca Andridge¹, Ruchika Prakash¹
¹The Ohio State University, Columbus, OH, USA. ²Medical University of South Carolina, Charleston, SC, USA

527 Cardiorespiratory Fitness Relates to Cognitive Function and Select Alzheimer's Disease-related Blood Biomarkers in Older Adulthood: Baseline Findings from the IGNITE Study
Lauren E Oberlin^{1,2}, Patricio Solis-Urra¹, Lu Wan¹, Chaeryon Kang³, Kelsey Sewell^{1,4}, Cristina Molina-Hidalgo¹, Audrey M Collins¹, Shivangi Jain¹, George Grove³, Arthur F Kramer^{5,6}, Edward McAuley⁶, Jeffrey Burns^{7,8}, Charles Hillman⁵, Eric Vidoni^{7,8}, John M Jakicic⁷, Thomas Karikari³, Kirk I Erickson¹
¹AdventHealth Research Institute, Orlando, FL, USA. ²Weill Cornell Medicine, New York, NY, USA. ³University of Pittsburgh, Pittsburgh, PA, USA. ⁴Murdoch University, Murdoch, Australia. ⁵Northeastern University, Boston, MA, USA. ⁶University of Illinois at Urbana-Champaign, Urbana, IL, USA. ⁷University of Kansas Medical Center, Kansas City, KS, USA. ⁸University of Kansas Alzheimer's Disease Research Center, Fairway, KS, USA

374 Accelerated Brain Aging in Late-life Depression (LLD): Baseline Results from the FITBOLD Exercise Trial in Older adults With Remitted LLD
Swathi Gujral¹, Sumer Ziady², Audrey Corbet², Helmet Karim¹
¹University of Pittsburgh, Pittsburgh, PA, USA. ²University of Pittsburgh Medical Center, Pittsburgh, PA, USA

525 Neuropsychological determinants of the cognitive response to combined physical and cognitive training in adults with mild cognitive impairment
Louis Bherer¹, Manuel Montero-Odasso², Guangyong Zou², Mark Speechley², Quincy J Almeida³, Teresa Liu-Ambrose⁴, Laura E Middleton⁵, Richard Camicioli⁶, Nick W Bray⁷, Karen Li⁸, Sarah Fraser¹, Frederico Pieruccini-Faria⁹, Amer M Burhan¹⁰, Nicolas Berryman¹¹, Maxime Lussier¹, Surim Son², Kevin Shoemaker¹², Christine Gagnon¹
¹University of Montreal, Montreal, Ontario, Canada. ²University of Western Ontario, Montreal, Ontario, Canada. ³Carespace Health and Wellness, Waterloo, Ontario, Canada. ⁴University of British Columbia, Vancouver, British Columbia, Canada. ⁵University of Waterloo, Waterloo, Ontario, Canada. ⁶University of Alberta, Edmonton, Alberta, Canada. ⁷Memorial University of Newfoundland,

Newfoundland, Newfoundland and Labrador, Canada. ⁸Concordia University, Montreal, Ontario, Canada. ⁹Western University, London, Ontario, Canada. ¹⁰University of Toronto, Toronto, Ontario, Canada. ¹¹University of Quebec in Montreal, Montreal, Ontario, Canada. ¹²University of Western Ontario, Montreal, Ontario, USA

434 Transcranial Direct Current Stimulation plus Cognitive Remediation Slows Cognitive Decline in Major Depressive Disorder and Mild Cognitive Impairment
Meryl A Butters¹, Tarek K Rajji², Chistopher R Bowie³, Nathan Herrmann⁴, Bruce G Pollock⁵, Krista L Lancot⁴, Sanjeev Kumar⁵, Alastair J Flint⁵, Linda Mah⁶, Corinne E Fischer⁴, Marom Bikson⁷, James L Kennedy⁵, Daniel M Blumberger⁵, Zafiris J Daskalakis⁸, Damien Gallagher⁴, Mark Rapoport⁴, Nicolaas PLG Verhoeff⁹, Angela C Golas⁵, Ariel Graff-Guerrero⁴, Erica Vieira⁵, Aristotle Voineskos⁵, Heather Brooks⁵, Ashley Melichercik⁵, Kevin Thorpe⁴, Benoit H Mulsant⁴
¹University of Pittsburgh, Pittsburgh, PA, USA. ²University of Texas Southwestern, Dallas, TX, USA. ³Queens University, Toronto, Ontario, Canada. ⁴University of Toronto, Toronto, Ontario, Canada. ⁵CAMH, Toronto, Ontario, Canada. ⁶Baycrest University, Toronto, Ontario, Canada. ⁷CUNY, New York, NY, USA. ⁸University of California San Diego, San Diego, CA, USA. ⁹Baycrest, Toronto, Ontario, Canada

Paper 03: Cultural and Contextual Factors in Cognitive Health
09:00 - 10:30 Thursday, 5th February, 2026
Location: Salon B (Level 5)
Presentation type Paper Session
Moderator:

09:00 - 09:15
1009 Assessment of the Interaction Between Cardiovascular Comorbidity Burden and Multidimensional Ethnic Experiences on Cognitive Status in Older Adults
Stella Garriga¹, Lauren G Santos¹, Shellie-Anne Levy¹, Emily F Matusz², Idaly Velez Uribe², Monica Rosselli², Ranjan Duara², Rosie Curiel³, Michael Marsiske^{1,2}, Melissa Armstrong², Breton Asken^{1,2}, Glenn Smith^{1,2}, Franchesca Arias¹
¹University of Florida, Gainesville, FL, USA. ²Florida Alzheimer's Disease Research Center, Gainesville, FL, USA. ³Florida Alzheimer's Disease Research Center, Miami, FL, USA

09:15 - 09:30
738 Why We Must Consider Multidimensional Poverty When Evaluating Cognition in Limited Resource Settings
Levi A. Muya¹, Anne N. Njogu¹, Anne Gitere², Kevin Kipkoech¹, Wambui Karanja¹, Catherine Biker¹, Raechel Kamau¹, Litha Musili¹, Jasmit Shah¹, Rachel Maina¹, Sylvia Mbugua³, Juzar Hooker³, Sheila Waa⁴, Samuel Nguku⁴, Olivera Nesic¹, Zul Merali¹, Mansoor Saleh⁵, Chinedu Udeh-Momoh¹, Karen Blackmon¹

1Brain and Mind Institute, Aga Khan University, Nairobi, Kenya. 2Nairobi City County Government, Nairobi, Kenya. 3Department of Medicine, Aga Khan University, Nairobi, Kenya. 4Department of Radiology, Aga Khan University Hospital, Nairobi, Kenya. 5Clinical Research Unit, Aga Khan University, Nairobi, Nairobi, Kenya

09:30 - 09:45

236 Differentiating Stayers from Returnees: Understanding the Effect of Migration on Cognitive Impairment in Older Mexican Adults
Lily Kamalyan¹, Zachary Kunicki², Madeleine G Snider¹, Adina Zeki Al Hazzouri³, Emily M Briceño⁴, Miguel Arce Rentería¹
1Department of Neurology, Taub Institute for Research on Alzheimer's Disease and the Aging Brain, Columbia University College of Physicians and Surgeons, New York, NY, USA. 2Psychiatry and Human Behavior, Warren Alpert Medical School of Brown University, New York, NY, USA. 3Department of Epidemiology, Mailman School of Public Health, Columbia University, New York, NY, USA. 4Departments of Physical Medicine & Rehabilitation and Neurology, University of Michigan Medical School, Ann Arbor, MI, USA

09:45 - 10:00

658 ASL Linguistic Features when Administering the Boston Naming Test to Bilingual Deaf Emerging Adults
Alexandra W Novak, Lawrence H Pick, Daniel Koo, Karen Garrido-Nag
Gallaudet University, Washington, DC, USA

10:00 - 10:15

174 Risk of Bias in the Assessment of Global Cognition and Diagnosis of Cognitive Impairment in Patients with Parkinson's Disease in Latin America
Scott A Sperling^{1,2}, Saar Anis¹, Henry Mauricio Chaparro-Solano¹, Thiago Peixoto Leal¹, Claire Sonneborn¹, Camila Callegari Piccini¹, Miguel Inca-Martinez¹, Mario Cornejo-Olivas³, Maryenela Illanes-Manrique³, Pedro Chana-Cuevas⁴, Paula Safie Awad⁴, Ana Jimena Hernández-Medrano⁵, Amin Cervantes-Arriaga⁵, Artur FS Schuh⁶, Carlos Rieder⁶, Pedro Braga-Neto⁷, Antonio Andrei da Silva Sena⁸, Bruno Lopes Santos-Lobato⁹, Emilia M Gatto¹⁰, Griselda J Alvarado¹¹, Cesar L Avila¹², Vitor Tumas¹³, Maria Paula Foss¹³, Vanderci Borges¹⁴, Henrique Ballalai Ferraz¹⁴, Jorge Luis Orozco Vélez¹⁵, Beatriz Muñoz Ospina¹⁶, Sonia Moreno¹⁷, David Pineda¹⁷, Juila Esther Rios Pinto¹⁸, Patricio Olguín¹⁹, Juan Cristobal Nuñez¹⁹, Angel Viñuela²⁰, Alan O Espinal-Martinez²¹, Nicanor Mori²², Koni Mejía-Rojas²², Angel Medina-Colque²³, Ana Lucia Zuma Rosso²⁴, Celmir Vilaça²⁴, Edward Ochoa-Valle²⁵, Iván Cornejo-Herrera²⁶, Paula Reyes-Perez²⁷, Alejandra Lázaro-Figueroa²⁸, Ana Letícia de Moraes Alves¹³, Rubens Gisbert Cury¹³, Hubert H Fernandez¹, Ignacio Mata¹
1Cleveland Clinic, Cleveland, OH, USA. 2Cleveland Clinic Lerner College of Medicine of Case Western Reserve

University, Cleveland, OH, USA. 3Universidad Científica del sur, Lima, Peru. 4Universidad de Santiago de Chile, Santiago, Chile. 5Instituto Nacional Deneurología y Neurocirugía Manuel Velasco Suárez, Mexico City, Mexico. 6Universidade Federal de Ciências da Saúde de Porto Alegre, Porto Alegre, Brazil. 7Federal university of Ceará, Fortaleza, Brazil. 8State University of Ceará, Fortaleza, Brazil. 9Universidade Federal do Pará, Pará, Brazil. 10University of Buenos Aires, CABA, Argentina. 11Hospital Angel Cruz Ppadilla, San Miguelde Tucuman, Argentina. 12Instituto de Investigación en Medicina Molecular y Celular Aplicada - Universidad Nacional de Tucumán, San Miguel de Tucumán, Argentina. 13University of São Paulo, São Paulo, Brazil. 14Universidade Federal de São Paulo, São Paulo, Brazil. 15Fundación Hospital Universitario Valle del Lili, Cali, Colombia. 16Universidad Icesi, Cali, Colombia. 17Universidad de Antioquia, Medellín, Colombia. 18Universidad Peruana Los Andes, Huancaayo, Peru. 19Universidad de Chile, Santiago, Chile. 20Universidad San Juan Bautista, Caguas, Puerto Rico. 21Universidad Autonoma de Guadalajara, Jalisco, Mexico. 22Hospital Nacional Daniel Alcides Carrion, Callao, Peru. 23Universidad Nacional del Altiplano, Puno, Peru. 24Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil. 25Hospital Regional del Cusco, Cusco, Peru. 26Hospital Hipólito Unanuede Tacna, Tacna, Peru. 27Universidad Nacional Autónoma de México, Santiago de Querétaro, Mexico. 28Universidad Nacional Autónoma de México, Ciudad de México, Mexico

10:15 - 10:30

624 Carotenoids, inflammation, and neurocognitive performance in Hispanic/Latin American adults in the United States
Christopher A. Krause¹, Steven P. Woods¹, Kaylee Litson¹, Tracey Ledoux¹, Luis D. Medina^{1,2}
1University of Houston, Houston, Texas, USA. 2Baylor College of Medicine, Houston, Texas, USA

Paper 04: Genetic and Biological Influences on Cognition

09:00 - 10:30 Thursday, 5th February, 2026

Location: Salon D (Level 5)

Presentation type Paper Session

Moderator:

09:00 - 09:15

564 Neuropsychological Outcomes in BRCA1/2 Mutation Carriers: The Impact of Risk-Reducing Surgery and Cancer History
Moran Twick^{1,2}, Ayala Bloch^{1,3}, Bar Deutsch¹
1The National Institute for Neuropsychological Rehabilitation, Petah Tikva, Israel. 2Reichman University, Herzeliya, Israel. 3Ariel University, Ariel, Israel

09:15 - 09:30

314 Prenatal substance exposure is associated with placental DRD1 dopamine receptor expression and striatal gray matter volume in children

Tara E Samson¹, Donato Delingeniis¹, Roberto Bailey², Claire J Brabander¹, Corina Lesseur³, A. Duke Shereen¹, Yoko Nomura^{4,3}
¹CUNY Graduate Center, New York, NY, USA.
²Hunter College Campus Schools, New York, NY, USA.
³Mount Sinai, New York, NY, USA.
⁴CUNY Queens College, New York, NY, USA

09:30 - 09:45

547 Cognitive-Developmental Trajectories and ADHD Polygenic Risk in the Adolescent Brain Cognitive Development (ABCD) study
 Cassandra L. Rosenberg¹, Jingyu Liu¹, Elizabeth L. Tighe¹, Tricia Z. King²
¹Georgia State University, Atlanta, GA, USA.
²Emory University, Atlanta, GA, USA

09:45 - 10:00

669 Interaction Between Lifestyle Factors and APOE ε4 on Episodic Memory Across Racial/Ethnic Groups
 Kyoungeun Lee¹, Lex R Minto^{1,2,3}, Zachary N Salling^{1,4}, Aija Mines¹, Vonetta M Dotson^{1,2,3,4}
¹Department of Psychology, Georgia State University, Atlanta, GA, USA. ²Department of Neurology, Brigham & Women's Hospital, Boston, MA, USA.
³Department of Neurology, Harvard Medical School, Boston, MA, USA. ⁴Gerontology Institute, Georgia State University, Atlanta, GA, USA

10:00 - 10:15

1036 The Lifespan Cognitive Health Risk Score: Twin-Based Cross-Validation of a Prediction Index for Cognitive Decline
 Sophie A. Bell¹, Christopher R. Beam², Alyssa C. Kam², Ebrahim Zandi³, Deborah W. Davis^{4,5}, Deborah Finkel^{2,6}, Eric Turkheimer¹
¹University of Virginia, Charlottesville, VA, USA.
²University of Southern California, Los Angeles, CA, USA. ³Keck School of Medicine, University of Southern California, Los Angeles, CA, USA. ⁴Norton Children's Research Institute, Louisville, KY, USA.
⁵University of Louisville School of Medicine, Louisville, KY, USA. ⁶Jönköping University, Jönköping, Sweden

10:15 - 10:30

107 Comparing Traditional and Novel Memory Tasks in Relation to APOE ε4 Status and Plasma p-tau²¹⁷ in Older Adults with Subjective Cognitive Decline
 Rachel N Schade¹, Sruti Rayaprolu¹, Steven T DeKosky¹, Katie Rodriguez¹, Adam J Woods¹, Gene E Alexander², Dawn Bowers¹
¹University of Florida, Gainesville, FL, USA.
²University of Arizona, Tucson, AZ, USA

Poster 02: Advances in Brain Health and Workforce Development

09:30 - 10:45 Thursday, 5th February, 2026
 Location: Franklin Hall B (Level 4)

This session includes a poster symposium and posters. Scroll down to view all poster presentations and assigned poster board numbers.

Poster symposia are presented as regular posters, but are grouped together to allow their presenters to have a cohesive discussion with interested viewers.

P2-25 Cardiorespiratory Fitness is Associated with Reductions in Age-Related Differences in fMRI Activation During Episodic Memory Encoding
 Inola A. Howe¹, Jessica A. Cloud¹, Jasmeet P. Hayes^{1,2}, Scott M. Hayes^{1,2}
¹Department of Psychology, The Ohio State University, Columbus, OH, USA. ²Chronic Brain Injury Program, The Ohio State University, Columbus, OH, USA

P2-26 Early Identification of SuperAgers: Telephone-Based Hopkins Verbal Learning Test-Revised as a Valid Pre-Screening Tool
 Justyna Piszczor^{1,2}, Elena Badillo Goicoechea¹, Rhiana Schafer¹, Ana Capuano¹, Amanda Cook Maher³, Emily Rogalski¹
¹University of Chicago, Chicago, IL, USA. ²The Chicago School, Chicago, IL, USA. ³University of Michigan, Ann Arbor, MI, USA

P2-27 Examining Relationships Among discrimination, Cognition, and Racial Identity Among Older Adults with Exceptional Memory
 Victoria K. Balog¹, Claire Alexander², Ana Capuano³, Rhiana Schafer³, Emily Rogalski³, Amanda Cook Maher¹
¹University of Michigan, Ann Arbor, MI, USA.
²Ann Arbor VA, Ann Arbor, MI, USA. ³University of Chicago, Chicago, Illinois, USA

P2-28 Strength and Flexibility Exercise Associated with Better Cognition in APOE ε4 Non-Carriers: Evidence from a Diverse Mid- to Late-Life Cohort
 Zachary N. Salling^{1,2}, Kyoungeun Lee¹, Vonetta M. Dotson^{1,2,3,4}, Maria Misiura¹
¹Department of Psychology, Georgia State University, Atlanta, GA, USA. ²Gerontology Institute, Georgia State University, Atlanta, GA, USA. ³Department of Neurology, Brigham & Women's Hospital, Boston, MA, USA. ⁴Department of Neurology, Harvard Medical School, Boston, MA, USA

P2-29 Towards Inclusive Neuropsychology: Examining Verbal Memory in Sexual Minorities and Gender Diverse Populations
 Andrea St-Amant¹, Robert-Paul Juster^{2,1}, Maxime Montembeault^{3,4,1}
¹University of Montreal, Montreal, Quebec, Canada.
²Research Center of the Montreal Mental Health University Institute, Montreal, Quebec, Canada.
³Douglas, Montreal, Quebec, Canada. ⁴McGill

University, Montreal, Quebec, Canada

P2-30 Disordered Eating Attitudes Predict Delayed Recall Trail Making Test Performance in a Mexican Female Population

Andrea Vargas Ramírez¹, Maura Villalobos San José², Natalie Gevoglianian³, Isabel D.C. Muñoz⁴, Raymundo Cervantes⁵, María I. del Villar Basauri¹, Nicole Feeney⁵, Sara P. González Flores⁶, Jéssica V. Bautista Martínez⁶, José R. Andrade Velasco⁶, Eugenia González González⁶, Krissy E. Smith⁷, Paulina N. Arévalo Torres⁸, Daniel Walter López Hernández³
¹Universidad de Monterrey, Monterrey, Nuevo León, Mexico. ²Tecnológico de Monterrey, Tlalpan, Ciudad de México, Mexico. ³Alliant International University, Alhambra, California, USA. ⁴CSU Northridge, Northridge, California, Mexico. ⁵UCLA, Los Angeles, California, USA. ⁶Tecnológico de Monterrey, Monterrey, Nuevo León, Mexico. ⁷CSU Dominguez Hills, Carson, California, USA. ⁸Tecnológico de Monterrey, Guadalajara, Jalisco, Mexico

P2-31 Mind the Gap: A Delphi Study on Cultural Responsiveness in Neuropsychological Assessments Through Expert Eyes

Burcu Kaplan^{1,2}, David Faust², Tedd Judd³, Farzin Irani⁴, Margaret Lanca⁵, Christopher Nguyen⁶
¹University of Florida, Gainesville, FL, USA. ²University of Rhode Island, Kingston, RI, USA. ³Universidad del Valle de Guatemala, Guatemala, Guatemala. ⁴AAA Neuropsychology PLLC, Malvern, PA, USA. ⁵Cambridge Health Alliance/Harvard Medical School, Cambridge, MA, USA. ⁶The Ohio State University Wexner Medical Center, Columbus, OH, USA

P2-32 Culturally Responsive Neuropsychological Assessments in Haitian Populations
 Cynthia C. Torres, Danielle C. Severe, Gesenia Sloan-Pena
 Nova Southeastern University, Davie, Florida, USA

P2-33 A Performance Based Estimate of Preexisting Skill Level Reduces Wechsler Adult Intelligence Scale -IV US and México Version Subtest Scale Score False Positives among Balanced Bilingual Mexican Americans
 Gabriela Ontiveros, Philip G Gasquoine
 University of Texas Rio Grande Valley, Edinburg, TX, USA

P2-34 Adaptation of a visuospatial construction and visual memory test for an educationally diverse older adult population in Nepal
 Guanyi Yang¹, Dirgha Ghimire^{2,3}, Usha Dhakal⁴, Umesh Bogati^{5,6}, Hardik Sapkota⁷, Lochana Shrestha⁸, Prem Pandit⁷, Pankaj Jalan⁹, Carlos Mendes de Leon⁴, Emily M. Briceno¹⁰
¹University of Michigan, Ann Arbor, MI, USA. ²Institute for Social Research, University of Michigan, Ann Arbor, MI, USA. ³Institute for Social and Environmental Research-Nepal (ISER-N), Chitwan, Nepal. ⁴Georgetown

University School of Medicine, Washington, DC, USA. ⁵University of California San Francisco, San Francisco, CA, USA. ⁶National Academy of Medical Sciences, Kathmandu, Nepal. ⁷Institute for Social and Environmental Research Nepal, Chitwan, Nepal. ⁸Nepalese Army Institute of Health Sciences, Kathmandu, Nepal. ⁹Norvic International Hospital, Kathmandu, Nepal. ¹⁰University of Michigan Medical School, Ann Arbor, MI, USA

P2-35 Adapting the Mini-Mental State Examination in Tagalog: A Culturally and Linguistically Sensitive Approach for Filipino Americans
 Julianne "Eugenie" Mamuyac, Jaeda Johnson, Ariel Guevarra, Mikkael Lamoca, Rochelle "RJ" Reyes, Nicoletta Biondo, Jessica de Leon
 University of California, San Francisco, San Francisco, CA, USA

P2-37 Neuropsychological Assessment at the Crossroads of Culture, Language, Disability, and Medicine: A Case Study
 Mackenze Jones^{1,2}, Samantha Mok¹, Walaa Dabbas¹, Pierpaolo Di Cocco¹, Kyle J Jennette¹
¹University of Illinois-Chicago, Chicago, Illinois, USA. ²The Chicago School, Chicago, USA

P2-38 Acculturation and Time Perspective Influences Trail Making Test Performance in Mexican-American Bilinguals
 María I. del Villar Basauri¹, Andrea Vargas Ramirez¹, Nicole Feeney², Daniel Walter López Hernández³
¹Universidad de Monterrey, Monterrey, Nuevo León, Mexico. ²UCLA, Los Angeles, California, USA. ³Alliant International University, Alhambra, California, USA

P2-39 Eating Attitudes Predict Verbal Memory in a Mexican Female Population
 Maura Villalobos San José¹, Andrea Vargas Ramírez², Adriana A. Silva Cruz¹, Krissy E. Smith³, Eugenia González González⁴, Raymundo Cervantes⁵, Natalie Gevoglianian⁵, Isabel D.C. Muñoz⁶, Sara P. González Flores⁴, José R. Andrade Velasco⁴, Armando Acuña Rodríguez⁴, Daniel Walter López Hernández⁵
¹Tecnológico de Monterrey, Tlalpan, Ciudad de México, Mexico. ²Universidad de Monterrey, Monterrey, Nuevo León, Mexico. ³CSU Dominguez Hills, Carson, California, Mexico. ⁴Tecnológico de Monterrey, Monterrey, Nuevo León, Mexico. ⁵Alliant International University, Alhambra, California, USA. ⁶CSU Northridge, Northridge, California, USA

P2-40 Delayed Verbal Memory Recall Deficits in a Hispanic Traumatic Brain Injury Population
 Mauricio A. Díaz Torres¹, Natalie Gevoglianian², Raymundo Cervantes², Isabel D.C. Muñoz³, Nicole Feeney⁴, Maura Villalobos San José⁵, Jéssica V. Bautista Martínez¹, Paulina N. Arévalo Torres⁶, José R. Andrade Velasco¹, Andrea Vargas Ramírez⁷, Daniel Walter López Hernández²
¹Tecnológico de Monterrey, Monterrey, Nuevo León, Mexico. ²Alliant International University, Alhambra, California, USA.

3CSU Northridge, Northridge, California, USA. 4UCLA, Los Angeles, California, USA. 5Tecnológico de Monterrey, Tlalpan, Ciudad de México, Mexico. 6Tecnológico de Monterrey, Guadalajara, Jalisco, Mexico. 7Universidad de Monterrey, Monterrey, Nuevo León, Mexico

P2-41 Does Bilingualism Affect Cognitive Performance on the Multicultural Neuropsychological Scale?
Nicole Y. Won, Sarah E. Gutknecht, Manvi Singh, Matthew Barbee, Sophia Vukadinovich, Nicole Raab, Alberto L. Fernandez
Loyola Marymount University, Los Angeles, CA, USA

P2-42 Language Dominance and Neuropsychological Testing: Comparing Domestic and International University Students
Sarah E. Gutknecht, Nicole Y. Won, Lucy Westhusing, Alexis Nagler, Arwen Miranda, Alberto L. Fernandez
Loyola Marymount University, Los Angeles, CA, USA

P2-43 Asian Neuropsychological Association: Responding to the Call for Cultural Equity in Neuropsychology
Shiyuan Chen¹, Monica Ly², Numfon Vilay³, Jeeyoon Lee⁴, Christine You⁵, Eileen Ng⁶, Alexander Tan⁷
¹Northern Illinois University, DeKalb, IL, USA. ²Boston University Chobanian & Avedisian School of Medicine, Boston, MA, USA. ³California Northstate University, Rancho Cordova, CA, USA. ⁴Asian Neuropsychological Association, Columbus, USA. ⁵University of California, Los Angeles, Los Angeles, CA, USA. ⁶Institute of Mental Health, Singapore, Singapore. ⁷Children's Hospital of Orange County, Orange, CA, USA

P2-44 Nomograms for Predicting Cognitive Decline and Dementia: A Scoping Review of Social Determinants and Validation Practices
Stephanie Santiago-Mejias¹, Robin C. Hilsabeck¹, Sudha Seshadri¹, Gladys Maestre², Michael Mahaney², Jose E. Cavazos¹
¹UT Health San Antonio, San Antonio, TX, USA. ²UT Rio Grande Valley, Brownsville, TX, USA

P2-45 From Baltimore to Bethlehem: Building a Web-Based Pediatric Background Questionnaire for Neuropsychological Use in Palestine and Beyond
Haya Mukarker¹, Jessica Handal¹, Mohammad Halayqa¹, Christina Eguizabal Love^{2,3}, Erin Jones², Ahmed Fasfous¹, T. Andrew Zabel^{2,3}
¹Bethlehem University, Bethlehem, Palestine. ²Kennedy Krieger, Baltimore, Maryland, USA. ³Johns Hopkins University School of Medicine, Baltimore, Maryland, USA

P2-46 Associations of Acculturation with Performance-Based Functional Tasks in Spanish Speakers along the U.S.-Mexico Border
Valarie Castellanos-Ponce¹, Crystal X. Wang^{2,3}, Victoria O. Chentsova^{3,4}, Mariana Cherner^{2,3}

¹San Diego State University, Department of Psychology, San Diego, CA, USA. ²University of California, San Diego, Department of Psychiatry, La Jolla, CA, USA. ³HIV Neurobehavioral Research Program, San Diego, CA, USA. ⁴SDSU/UCSD Joint Doctoral Program in Clinical Psychology, San Diego, CA, USA

P2-47 One size doesn't fit all: Critical selection of social determinants of health for neuropsychological assessment
April Thames¹, Steve Reise¹, Keith Widaman²
¹University of California, Los Angeles, Los Angeles, CA, USA. ²University of California, Riverside, Riverside, CA, USA

P2-48 Access to Geriatric Brain Healthcare in Arkansas: The Roles of Rurality, Travel Distance, and Referral Patterns
Caroline Nester Rooney^{1,2}, Anna Claire Franklin³, Hilary Clark³, Chrystal Fullen³, Justin B. Miller⁴, Laura E. Korthauer¹, Lee Isaac³
¹Brown University Health, Providence, RI, USA. ²The Warren Alpert Medical School of Brown University, Providence, RI, USA. ³University of Arkansas for Medical Sciences, Little Rock, AR, USA. ⁴UW Medicine, Seattle, WA, USA

P2-49 Racial Differences in Social Network Effects Across Cognitive Domains
Gelan Ying¹, Shana D Stites², Dawn Mechanic-Hamilton³
¹University of Florida, Gainesville, FL, USA. ²Department of Psychiatry, University of Pennsylvania, Philadelphia, PA, USA. ³Department of Neurology, University of Pennsylvania, Philadelphia, PA, USA

P2-50 Subjective Distress and Environmental Factors Predict Perioperative Neurocognitive Dysfunction and Surgical Outcomes
Hirangi K Patel^{1,2}, Cynthia W. Garvan², Catherine C Price²
¹Midwestern University, Downers Grove, IL, USA. ²University of Florida, Gainesville, FL, USA

P2-51 Small Signals: Rethinking Cognitive Dispersion as a Predictor for Cognitive Decline in Underrepresented Populations
Hudaisha Fatima, Jeff Schaffert, Vishal J. Thakkar, Heidi Rossetti, Laura Lacritz, C. Munro Cullum
University of Texas Southwestern Medical Center, Dallas, TX, USA

P2-52 Exploring Socioeconomic Influences on Psychiatric and Neurocognitive Outcomes After TBI
Ishita Pesati, Oren Eldor, Frank Hillary, Lexi Baird
The Pennsylvania State University, State College, PA, USA

P2-53 The Stress Process, Acculturation, and Memory: Results from the Health and Aging Brain Study-Health Disparities Study (HABS-HD)
Jordana Breton, Elizabeth Muñoz
University of Texas at Austin, Austin, TX, USA

P2-54 The Relationship Between Acculturation, Language, and Cognition in Healthy Adults
Kasey J. Escamilla, Christopher A. Krause, Luis D. Medina
University of Houston, Houston, TX, USA

P2-55 Multidimensional Predictors of Cognitive Aging in India: Evidence from LASI-DAD
Krithika Sivaramakrishnan, Tamare Adrien, Louisina Morancy, Shellie-Anne Levy
University of Florida, Gainesville, FL, USA

P2-56 Integrating Social Determinants of Health into Neuropsychological Practice: A Conceptual Model for Z-Code Implementation
Britany Wolff¹, Laura Umfleet²
¹University of California, Los Angeles, Los Angeles, CA, USA. ²Medical College of Wisconsin, Milwaukee, WI, USA

P2-57 Neighborhood Disadvantage Shapes Cardiovascular and Cognitive Health in a Heterogeneous Sample of Older Adults
Louisina Morancy¹, Angel Collier¹, Tamare Adrien¹, Krithika Sivaramakrishnan¹, George Daniel¹, Franchesca Arias¹, Warren Barker², Monica Rosselli³, Michael Marsiske¹, Melissa Armstrong¹, Rosie Curiel Cid⁴, David Loewenstein⁴, Ranjan Duara², Glenn Smith¹, Shellie-Anne Levy¹
¹University of Florida, Gainesville, FL, USA. ²Mount Sinai Medical Center, Miami Beach, FL, USA. ³Florida Atlantic University, Boca Raton, FL, USA. ⁴University of Miami, Coral Gables, FL, USA

P2-58 Exploring the Concussion-Depression Link in NCAA Student-Athletes: A Focus on Personal Characteristics
Maya C Whaley, Katherine Dixon-Gordon
University of Massachusetts Amherst, Amherst, MA, USA

P2-59 Caring Under Pressure: The Impact of Perceived Stress on Cognitive Functioning in Ethnoracial Minority Adult Caregivers Across the United States
Nadia Ahmed¹, Payton Adams², Mónica Rosado Bruno¹
¹Washington University in St. Louis, St. Louis, Missouri, USA. ²Saint Louis University, St. Louis, Missouri, USA

P2-60 Impact of Acculturation and 10-Year Atherosclerotic Cardiovascular Disease Risk on Executive Functioning and White Matter Hyperintensity Volume in Latino Older Adults
Nazareth Ortega¹, Jordana Breton², Katrail Davis¹, Alex Badillo Cabrera¹, Kennedy Wright¹, Avery Ellis¹, Aaniya Vixamar¹, Kylie Martin¹, Annie Portillo Aguilera¹, Matthew Calamia¹
¹Louisiana State University, Baton Rouge, LA, USA. ²The University of Texas at Austin, Austin, TX, USA

P2-61 The Impacts of Discrimination on Executive Functioning: Findings from a Systematic Literature Review
Patrick Dawid¹, Luke Keating¹, Amandeep Kaur², Nicole Benjamin^{1,2}, Ivy Chen¹, Danielle Potts¹, Keeana

Quiñones¹, Aldona Chorzepa^{1,2}, Elizabeth Brondolo¹
¹St. John's University, Queens, NY, USA. ²Jamaica Hospital Medical Center, Queens, NY, USA

P2-62 Behavioral health contributors to brain health in Malaysian Adults with and without HIV assessed in standard HIV care settings
Skila T. Zhu¹, Christopher Ferraris², Courtney Kirsch², Mei Tan², Siew Hwei Yap^{3,4}, Syaza Hisham^{3,4}, Jessica Loh She Min^{3,4}, Pui Li Wong^{3,4}, Lucette A. Cysique⁵, Reena Rajasuriar^{3,4}, Reuben Robbins²
¹New York University, New York, NY, USA. ²New York State Psychiatric Institute, New York, NY, USA. ³Centre for Excellence for Research in Infectious Diseases and AIDS (CERiA), Universiti Malaya, Kuala Lumpur, Malaysia. ⁴Department of Medicine, Faculty of Medicine, Universiti Malaya, Kuala Lumpur, Malaysia. ⁵School of Psychology, Faculty of Science, The University of New South Wales, Sydney, Australia

P2-63 Brain Health Knowledge Gaps and Risk of Misinformation in Latino Communities: A Preliminary Review of Barriers, Equity Gaps, and Innovative Approaches
Sugeily R Alvarez, Desiree Byrd
Queens College, City University of New York, Queens, NY, USA

P2-64 From Assessment to Access: Neurocognitive Health as a Predictor of Healthcare Utilization in Underrepresented Communities
Wasayef Bsharat^{1,2}, Angela Ndocaj³, Becca Kaufman², Julian Drori²
¹Montclair State University, Montclair, NJ, USA. ²Neurobehavioral Institute of New York, New York, NY, USA. ³University Of North Carolina at Chapel Hill, Chapel Hill, North Carolina, USA

P2-65 Perceived Safety, Pressure, and Post-Concussion Symptom Risk in Sexual Choking
Heather C Bouchard^{1,2,3}, Tierney K Lorenz^{1,2}, Hillary Schwarb^{1,2}, Kathy S Chiou^{1,2}
¹Center for Brain, Biology and Behavior, University of Nebraska-Lincoln, Lincoln, NE, USA. ²Department of Psychology, University of Nebraska-Lincoln, Lincoln, NE, USA. ³Department of Health Psychology, University of Missouri-Columbia, Columbia, MO, USA

P2-66 The Impact of Familial Alcohol and Drug Use Disorders on Adolescent Athletes' Working Memory and Intellectual Functioning
Alexandra Lang, Madison Messina, Pooja Venugopal, Daniel Baldini, Rayna Hirst
Palo Alto University, Palo Alto, CA, USA

P2-67 Maternal Disaster-Related Stress and Early Cognitive Development: The Protective Role of Parental Care
Alice Zhiyue Wang^{1,2}, Donato

DeIngeniis^{2,3}, Yoko Nomura^{2,3,4}
¹Chestnut Hill College, Philadelphia, NY, USA.
²Queens College, Flushing, NY, USA. ³CUNY
Graduate Center, New York, NY, USA. ⁴Icahn School
of Medicine at Mount Sinai, New York, NY, USA

P2-68 Post-Traumatic Stress Symptoms Mediate
the Influence of Home Chaos on Working Memory
Among Youth Traumatic Injury Survivors
Amy Z. Wang¹, Emily A. Albertina¹, Farah Harb¹,
Michael Levas², Christine L. Larson¹
¹University of Wisconsin-Milwaukee, Milwaukee, Wisconsin,
USA. ²Children's Wisconsin, Milwaukee, Wisconsin, USA

P2-69 Mediating Effects of Language on the Relationship
Between Household Chaos and Children's Executive
Functioning in Socioeconomically Vulnerable Families
Emma Gimenez DeGeorge¹, Christina Lee¹, Christopher J.
Trentacosta¹, Moriah E. Thomason², Marjorie Beeghly¹
¹Wayne State University, Detroit, Michigan, USA.
²NYU Langone Health, New York, New York, USA

P2-70 Neurodevelopmental Sensitivity to Context:
Socioeconomic Status, Orbitofrontal Cortex, and
Affect Recognition in Preschool Children
Marguerite V Knudtson, Kelly Barry, Johanna Bick
University of Houston, Houston, TX, USA

P2-71 Value of the ECLECTIC Framework in Providing
Neuropsychological Services to a Young Spanish-
Speaking Patient with Acute Lymphoblastic Leukemia
Melanie R. Somekh¹, Janna Guilfoyle¹, Monica Trevino²,
Rosalia Costello¹, Sasha Jaquez¹, Rachel M. Bridges¹
¹Dell Medical School of UT Austin, Austin,
TX, USA. ²Children's Hospital of Colorado,
Developmental Pediatrics, Aurora, CO, USA

P2-72 Using a Bioecological Approach to
Understand Adaptive Functioning in Youth
with Neurodevelopmental Disorders
Noor Qasmieh^{1,2}, Allison E. Gornik^{1,2}
¹Kennedy Krieger Institute, Baltimore, Maryland,
USA. ²Johns Hopkins University School of
Medicine, Baltimore, Maryland, USA

P2-73 Supporting the needs of prospective graduate
school applicants: A preliminary analysis of the
New²Neuropsychology Student Liaison Program
Jessie J. Tibbs¹, Hannah M. Lovato², Alexandra Hernandez-
Vallant³, Hanan S. Rafiuddin⁴, Amanda M. Wisinger⁵,
Grace J. Goodwin⁶, Kaitlyn Schodt⁷, Ryan Van Patten⁸,
Cady Block⁹, Libby DesRuisseaux¹⁰, Taylor R. Schmitt¹¹
¹Oklahoma City VA HCS, Psychology Service, Oklahoma
City, OK, USA. ²Louisiana State University, Dept of
Psychology, Baton Rouge, LA, USA. ³Brown University
Health, Providence, RI, USA. ⁴University of North Texas,
Dept of Psychology, Denton, TX, USA. ⁵The Ohio State

University Dept of Physical Medicine and Rehabilitation,
Columbus, OH, USA. ⁶The Warren Alpert Medical School
of Brown University, Providence, RI, USA. ⁷University
of Colorado School of Medicine, Dept of Neurosurgery,
Aurora, CO, USA. ⁸Dept of Psychiatry and Human Behavior,
Brown University, Providence, RI, USA. ⁹Department
of Psychiatry and Psychology Mayo Clinic Florida,
Jacksonville, FL, USA. ¹⁰University of Utah, Salt Lake City,
UT, USA. ¹¹University of Michigan, Ann Arbor, MI, USA

P2-74 Barriers Faced by International
Psychology Graduates Pursuing Employment as
Neuropsychologists in the United States
Kritika Nayar¹, Saranya Sundaram Patel², Sofia
Lesica³, Alison Chung⁴, Elizabeth Choi⁵, Vigneswaran
Veeramuthu⁶, Alexander Tan⁷, Christina Wong⁸
¹Hassenfeld Children's Hospital at NYU Langone,
New York, NY, USA. ²OneRehab, Dallas, TX, USA.
³Cleveland Clinic Foundation, Cleveland, OH, USA.
⁴University of Victoria, Victoria, BC, Canada. ⁵EC
Neuropsychological Health PC, Sunnyvale, CA, USA.
⁶Thomson Hospital Kota Damansara, Selangor, Malaysia.
⁷Children's Hospital of Orange County, Orange, CA,
USA. ⁸Westchester Medical Center, Valhalla, NY, USA

P2-75 Actionable steps to improve training: A
synthesis of expert advice from over 100 Navigating
Neuropsychology (NavNeuro) podcast guests.
Mackenzie J Stabile¹, Sarah Prieto¹, Jennifer
K Hoots¹, Sarah Vargas¹, John A Bellone²,
William C LaFrance¹, Ryan Van Patten¹
¹Warren Alpert Medical School, Brown
University, Providence, RI, USA. ²Kaiser
Permanente, San Antonio, CA, USA

P2-76 Improving Awareness of Traumatic Brain Injury in
Juvenile Detention Centers: Staff Perspectives on Training
Kara L. Stevens¹, Christopher S. Waller¹, Peggy Reisher²,
Anna Cole², Liz Gebhart-Morgan³, Kathy S. Chiou¹
¹University of Nebraska, Lincoln, NE, USA. ²Brain
Injury Association of Nebraska, Lincoln, NE, USA.
³Partners for Insightful Evaluation, Lincoln, NE, USA

P2-77 Shaping the Future: Addressing Discrepancies
in Neuropsychology Education in Puerto Rico
Karen Valdesuso¹, Alexandra Bnegoa²
¹avanceneurocognitive, san juan, pr, USA.
²avanceneurocognitivo, san juan, pr, USA

P2-78 Kids With Cancer Still Need School: Addressing
Communication Gaps Regarding Neurocognitive
Late Effects with a Massive Open Online Course
Kaitlyn Gonyer¹, Rachel A Northrup¹, Juliana
Paré², Kathy Ruble³, Lisa A Jacobson^{1,3}
¹Kennedy Krieger Institute, Baltimore, MD, USA. ²Johns
Hopkins School of Education, Baltimore, MD, USA. ³Johns
Hopkins School of Medicine, Baltimore, MD, USA

P2-01 A New Age of Cultural Neuropsychological Assessment: Leveraging Community Engagement, A Global Perspective, and Technology to Advance the Field Chair

Cristina A.F. Román

Keck School of Medicine of USC, Los Angeles, CA, USA

Discussant (Optional)

Cristina A.F. Román

Keck School of Medicine of USC, Los Angeles, CA, USA

Summary Abstract

The global demand for culturally sensitive and relevant neuropsychological assessments has grown substantially over the last few decades and continues to increase each year, yet the field of neuropsychology has struggled to keep up with this mounting need. This has created a substantial gap between the supply and demand of adequate neuropsychological resources for linguistically and culturally diverse individuals across the globe. This necessitates the leveraging of diverse community engagement, global perspectives, and technology to launch the field forward and fill the gaps that continue to exist. Without a shift toward an everyday integration of these critical concepts and tools, neuropsychological assessment will continue to lag behind the needs of the global population. As such, investigators have begun to use innovative approaches and tools to bring us into a new age of neuropsychological assessment, thereby advancing the field and making it more relevant and equitable for all. With these considerations in mind, this symposium will examine cultural neuropsychological assessment in the context of community engagement, global perspectives, and technology to offer crucial insights into the how the integration of these important approaches is critical to the progress of neuropsychology in the present and future. The chair of the of the symposium, Cristina Román, PhD, will open the session with a brief overview of the current state of cultural and global neuropsychology and present gaps. Emily Briceño, PhD will discuss the development of The Nepal Cognitive Screening Test for educationally diverse older adults in Nepal through multidisciplinary and community collaboration, demonstrating construct validity and an increase in accessibility. Next, Deborah Koltai, PhD will present findings on collaboratively developed and novel culturally and linguistically relevant neuropsychological tests for use in Rwanda with implications for research and clinical care. Subsequently, Rachel Maina, PhD will highlight the utility of advanced technology in neuropsychological assessment by describing the technological platform PsychoPy. She will describe the components of the platform and its clinical use based on a narrative literature review and experiential data. Lastly, Aimee Karstens, PhD will discuss a web-based platform for digital test development and administration in English and Spanish known as the Mayo Test Developmental through Rapid Iteration, Validation, and Expansion. Design elements, clinical workflow, and case examples will be presented to exemplify how technology

is increasing access to cognitive testing. Following these talks, Dr. Román will serve a discussant regarding the scientific, clinical, and global implications of these findings.

Keyword 1

cross-cultural issues

Keyword 2

assessment

Keyword 3

technology

P2-02 Development of a cognitive screening test for educationally diverse older adults in Nepal

Emily M Briceno¹, Guanyi Yang¹, Umesh Bogati²,

Pankaj Jalan³, Lochana Shrestha⁴, Usha Dhakal⁵,

Hardik Sapkota⁶, Janak Rai⁷, Prem Pandit⁸,

Carlos Mendes de Leon⁵, Dirgha Ghimire^{1,8}

¹University of Michigan, Ann Arbor, MI, USA. ²National

Academy of Medical Sciences, Kathmandu, Nepal. ³Norvic

International Hospital, Kathmandu, Nepal. ⁴Nepalese

Army Institute of Health Sciences, Kathmandu, Nepal.

⁵Georgetown University, Washington DC, USA. ⁶Institute for

Social and Environmental Research Nepal, Chitwan, Nepal.

⁷Tribhuvan University, Kathmandu, Nepal. ⁸Institute for

Social and Environmental Research Nepal, Chitwan, Nepal

P2-03 Architectural Innovation: Development

of Neuropsychological Measures for

Research and Clinical Care in Rwanda

Deborah C Koltai¹, Suzanne Penna², Vincent Sezibera³

¹Duke University School of Medicine, Durham,

NC, USA. ²Emory University, Atlanta, GA, USA.

³University of Rwanda, Kigali, Rwanda

P2-04 Culturally Sensitive and Technology

Driven Neuropsychological Tools

Rachel W Maina

Aga Khan University, Nairobi, Kenya. Trinity

College Dublin, Dublin, Ireland

P2-05 Mayo Test Drive in the Wild: Clinical

Cases Demonstrating the Utility of Accessible

Digital Test Design and Adaptation

Aimee J Karstens^{1,2}, Paula A Aduen³, Nikki H Stricker²

¹Rush University Medical Center, Chicago,

IL, USA. ²Mayo Clinic, Rochester, MN, USA.

³Mayo Clinic, Jacksonville, FL, USA

P2-06 The Future of Neuropsychology:

Global Inclusion and Collaboration

Chair

Pamela E May-Weeks

University of Nebraska Medical Center

(UNMC), Omaha, NE, USA

Discussant (Optional)

Pamela E May-Weeks

University of Nebraska Medical Center

(UNMC), Omaha, NE, USA

Summary Abstract

Traditionally, neuropsychological research has focused on understanding and assessing neurological diseases within the Global North. Thus, trainees are often taught from a point of view that does not necessarily represent their identity or the perspectives of the global majority. Therefore, this symposium will concentrate on how research-focused institutions can support trainees at different stages of their career, especially in regard to 1) trainees from and/or residing in the Global South, 2) trainees who are part of one or more historically marginalized groups and reside in the Global North, and 3) trainees from the Global North who aim to work with multicultural populations throughout their research and/or clinical work. Specifically, a series of brief presentations will feature several diverse perspectives on these topics from psychologists at different career stages and located across a variety of locations within and outside the US. The first presenter, a PhD student, will discuss their experience working with a newly tenured faculty member to establish their lab while balancing academics, clinical work, research, and teaching. The first presentation will highlight the generalist training model at their institution, especially regarding how generalist training has enhanced their knowledge of clinical neuropsychology, and the support provided for students seeking clinical and research experience with diverse populations. The second presenter, a licensed clinical neuropsychologist, will reflect on their time in graduate school, current global and systemic challenges, and how these have impacted their mentorship of current trainees. They will focus on a collaboration between multiple midwestern research-focused programs and how working across institutions and disciplines has been beneficial in many ways. The third presenter, a post-baccalaureate research assistant, will discuss the training model at their current institution and how it has prepared them for graduate school. They will highlight support provided for women in a neuroscience-focused research program, who uniquely make up the majority of researchers at their institution. They will further discuss barriers to gaining experience with multicultural populations in an institution that relies heavily on neuroimaging and provide potential solutions. The session will conclude with a presentation given by a mid-career neuropsychologist who will discuss a training model in Kenya that leverages research funds to build capacity for neuropsychological assessment, which may be applicable to other limited-resource settings. The final presentation will focus on curriculum intended to strengthen trainees' knowledge of sociodemographic and environmental factors with important implications for training in clinical neuropsychology globally. Throughout the symposium, presenters will focus on how to provide trainees, especially those from historically marginalized groups (i.e., first-generation, women, international trainees, people of color) with better support/mentorship and research opportunities. Overall, the goal of the symposium will be to use personal accounts and examples to describe the current state of training in clinical neuropsychology, including barriers to

overcome, and create a space to discuss potential solutions. Depending on the audience's interest, the discussant may also choose to explore different aspects of training in clinical neuropsychology and in the fields of psychology, sociology, and neuroscience more broadly.

Keyword 1

academic skills

Keyword 2

cross-cultural issues

Keyword 3

minority issues

P2-07 Clinical Neuropsychology Training for Graduate Students in Generalist Settings

Vaibhavi Venkataramanan

University of Nevada, Reno, Reno, NV, USA

P2-08 The Value of Establishing Connections Between Clinical and Research Settings for the Next Generation of Neuropsychologists and Neuropsychology Consumers

Pamela E. May-Weeks

University of Nebraska Medical Center, Omaha, NE, USA

P2-09 Training the Next Generation: Clinical Neuropsychology Training for Post-Baccalaureate Researchers in a Neuroscientific Context

Megan C Hall

Institute for Human Neuroscience, Boys Town

National Research Hospital, Omaha, NE, USA

P2-10 Building Neuropsychological Research and Clinical Capacity in Kenya: A Training Model for Limited Resource Settings

Karen Blackmon^{1,2}, Levi Muyela²,

Wambui Karanja², Rachel Maina²

¹Geisel School of Medicine, Hanover, NH, USA.

²Aga Khan University, Nairobi, Kenya

P2-11 Expanding the Reach of Neuropsychology: Novel Digital Tools for Diverse Settings

Chair

Victoria M Leavitt

Columbia University, New York, NY, USA

Preeti Sunderaraman

Brown University, Providence, RI, USA

Discussant (Optional)

Summary Abstract

A growing collection of digital tools has emerged to address the challenge of measuring neuropsychological variables across cultures, in underserved communities, and among people in whom cognition has been difficult to measure, e.g., low education and / or low literacy individuals. With novel tools come novel challenges, such as the technological divide across cultures and literacy / education levels, cultural equivalence of test stimuli, the English-language bias inherent in tests developed by English-speaking researchers, and diverse demographic, social, and cultural barriers to acceptance of digital technology. In the best

case, digital tools can reduce health disparities; however, widening such disparities is also a risk. In this symposium, we will hear from researchers involved in the development of digital tools and measurement of cognition across 5 continents, in countries including India, Iran, Bolivia, Ethiopia, Israel, Canada, and across the continental United States. The assembled speakers include an international group of neuropsychologists and trainees working on digital tool development and cross-cultural cognitive assessment. Expertise includes work in technology-naïve populations, in low- and middle-income countries, across the lifespan, in diverse education- and literacy-level individuals, and work to more precisely understand how real-world contextual factors and unsupervised performance influence neuropsychological testing. Among topics discussed will be specific challenges, considerations, and solutions to addressing cultural differences in the measurement of cognition with digital tools; bridging the technology divide; addressing the influence of context-specific factors on performance, particularly in unsupervised settings; the impact of different geographic and linguistic groups on neuropsychological performance; and how digital tools can permit us to understand aspects of cognitive function in entirely new ways. We will consider strengths and shortcomings of digital measurement tools and provide a critical analysis of whether and how digital tools and remote testing are positioned to advance a fundamentally more precise and culturally informed understanding of cognition for the field of neuropsychology.

Keyword 1

neuropsychological assessment

Keyword 2

psychometrics

Keyword 3

technology

P2-12 Breaking Geographic and Language

Barriers in Neuropsychology

Tamar Gilad^{1,2}, Avigail Lithwick Algon^{1,2}, Eli Vakil³,

Sabaa Kitany^{1,2}, Raga Raghad Gharra^{1,2}, Reem

Higaze^{1,2}, Victoria M Leavitt⁴, William Saban^{1,2}

¹Center for Accessible Neuropsychology, Sagol School of Neuroscience, Tel Aviv University, Tel Aviv, Israel.

²Department of Occupational Therapy, Tel Aviv University, Tel Aviv, Israel.

³Department of Psychology and Leslie and Susan Gonda (Goldschmied) Multidisciplinary Brain Research Center, Bar-Ilan University, Ramat Gan, Israel.

⁴Cognitive Neuroscience Division, Department of Neurology, Columbia University, New York, NY, USA

P2-13 Context Matters: Momentary Relationships

Between Contextual Factors and Remote

Unsupervised Cognitive Performance

Timothy W. Brearly, Maria Dhinojwala,

Daniel B Elbich, Johnathan G Hakun

Penn State College of Medicine, Hershey, PA, USA

P2-14 Digital Health Technology in Cognitive Testing:

Addressing Linguistic and Educational Diversity in India

Kavya Jhaveri¹, William Saban^{2,3}, Iris Strangmann⁴,

Miguel Arce Renteria⁴, Leila Simani⁴, Victoria M Leavitt⁴

¹Department of Psychology, Teachers College, Columbia University, New York, NY, USA. ²Center for Accessible

Neuropsychology and Sagol School of Neuroscience, Tel Aviv University, Tel Aviv, Israel. ³Department of Occupational

Therapy, Tel Aviv University, Tel Aviv, Israel. ⁴Cognitive Neuroscience Division, Department of Neurology, Columbia

University Irving Medical Center, New York, NY, USA

P2-16 Global Innovations in Neuropsychology:

Advancements in Tools for Cognitive

Assessment and Intervention

Chair

Aimee J Karstens

Rush University Medical Center, Chicago, IL, USA

Discussant (Optional)

Summary Abstract

This symposium showcases cutting-edge technological developments in clinical neuropsychology from leading neuropsychologists across the globe. Presentations will highlight strategies for developing and integrating innovative tools that improve cognitive assessment and rehabilitation. Each contribution will emphasize real-world applicability in culturally diverse groups, demonstrating how these innovations can enhance diagnostic precision, efficiency, and access to care. The diversity of contexts represented will offer a unique opportunity to explore how cultural and systemic factors influence the adaptation and implementation of emerging techniques. Dr. Porrselvi A. P. will discuss the development of neuropsychological assessment tools in resource limited settings and the utility of dynamic norming tools in the Tamil computerized cognitive battery in India. Dr. Barbara Eizaguirre, will discuss the use of oculomotor tracking during cognitive testing to extrapolate more detailed functioning by cognitive domain in Argentina. Dr. Sharon Truter will discuss an online report-writing tool that has been developed and implemented in the culturally and linguistically diverse setting of South Africa. Dr. Leticia Vivas will present on her work developing a web-based cognitive stimulation tool for older adults with or without cognitive impairments in Argentina. By fostering dialogue between researchers and clinicians, this session aims to inspire the integration of evidence-based, forward-thinking approaches into everyday clinical practice. Attendees will gain a global perspective on the transformative potential of innovation in neuropsychology, including practical insights to apply in their own settings.

Keyword 1

cross-cultural issues

Keyword 2

technology

Keyword 3

assessment

P2-17 Innovating Neuropsychological Assessment

in a Resource-Limited Settings for a Multilingual

Heterogeneous Population: An Indian Innovation
Porrsevi A. P.
Unified Brain Health Care, Chennai, India

P2-18 Developing a Culturally Responsive Report-
Writing Tool for Neuropsychologists
Sharon Truter¹, Barry Michael Doyle²,
Robyn Border², Cassidy Truter²
¹Rhodes University, Cape Town, South Africa.
²Report Buddy Pty Ltd, Cape Town, South Africa

P2-19 Clinical and Psychometric Validity of a Digital
Eye-Tracking Biomarker for Cognitive Impairment
María Bárbara Eizaguirre¹, Natalia Ciufia¹, Aldana L
Marinangeli¹, Lucía Bacigalupe¹, Gloria Mastroberti¹,
Mariana Zarza¹, Lucía Ibarra¹, Lucas N Lapalma¹,
Danilo Verge², Matias Shulz², Valentín Barco², Gerardo
Fernandez², Mario Parra³, Ricardo N Alonso¹
¹Ramos Mejía Hospital, Buenos Aires, Argentina.
²ViewMind Inc., New York, NY, USA. ³University
of Strathclyde, Glasgow, United Kingdom

P2-20 Systematic Assessment of Social Determinants of
Health in Clinical Settings to Advance Research: Lessons
Learned from the National Neuropsychology Network
Chair
Franchesca Arias
University of Florida, Gainesville, Florida, USA
Paola Suarez
University of California, Los Angeles, Los Angeles, CA, USA
Discussant (Optional)
Summary Abstract
Social determinants of health (SDOH), the social,
structural, and economic conditions impacting health,
are critical contributors to cognitive functioning across
the lifespan. For example, some studies suggest that up
to 30% of dementia risk might be attributed to SDOH
(Becerril et al, 2023). To date, efforts to integrate SDOH
in neuropsychology workflows and research have lagged,
and standardized instruments to systematically capture
SDOH variables are not widely available, perpetuating
health inequities and diminishing the effectiveness
of our conceptualizations and interventions.

The NIMH-funded National Neuropsychology Network
(NNN), a multi-site study seeking to modernize
neuropsychology by integrating technology and advanced
psychometric practices sought to comprehensively assess
SDOH. This process quickly revealed the complexities,
nuances, and heterogeneity of SDOH, which shape
outcomes differentially across the United States (US).
The NNN convened a team with expertise in SDOH to
conceptualize, develop, and implement an instrument
that is scientifically rigorous and clinically practical. This
symposium will present NNN's approach to assessing
and documenting SDOH relevant to cognitive functioning
and outcomes, discussing challenges in operationalizing

SDOH for neuropsychological research and practice and
presenting opportunities that exist through leveraging
ICD and DMH diagnostic and billing codes.

Dr. Cavanagh will open the symposium with a review
of historical efforts within NNN to capture SDOH,
highlighting factors shown to be particularly relevant to
cognitive functioning in our sample. Next, Drs. Wolff and
Umfleet will examine existing ICD-10 and DSM codes
designed to capture non-medical factors influencing
health in clinical settings. They will discuss the current
application of these codes in neuropsychology and
outline a practical, step-by-step framework for leveraging
them to facilitate the collection and documentation of
SDOH in neuropsychology. Next, Dr. Thames will draw
on her extensive work with African American adults
to illustrate how education gap (rather than years of
education) challenges the "one size does not fit all" to
assessing SDOH. She will demonstrate how information
acquired during clinical interactions can be improved
and expanded to comprehensively and effectively assess
SDOH in clinical settings. This presentation underscores
the importance of tailoring SDOH assessments to patient-
centered encounters, ultimately enhancing diagnostic
accuracy and improving population health outcomes.

Finally, Dr. Suarez and Dr. Arias will anchor NNN's
approach using the Socially Responsible Neuropsychology
framework, emphasizing the ethical imperative to integrate
SDOH into research and clinical care to promote equity
and reduce health disparities. Dr. Arias will further
summarize innovative techniques used to examine SDOH
from other fields and discuss strategies for integrating
these techniques to promote SDOH assessment and
integration into neuropsychology. Dr. Arias will summarize
innovative methodologies from adjacent fields that can
be adapted to neuropsychology to assess SDOH. She will
also address common challenges encountered during
implementation and present potential solutions, including
the use of machine learning and artificial intelligence.
This presentation will describe how the research team
navigated the integration of SDOH variables into the
NNN, the lessons learned from implementation, and
future directions for research and policy development. The
symposium aims to advance understanding of SDOH in
cognition and provide a roadmap for neuropsychology.

Keyword 1
neuropsychological assessment

Keyword 2
cross-cultural issues

P2-21 Application of the Socially Responsible
Neuropsychology Framework to Systematic
Characterization of Social Determinants of Health:
Integrating Traditional and Innovative Approaches
to Promote Patient-centered Outcomes
Franchesca Arias¹, Jennifer Dzul-Reyes¹, Paola Suarez²

1University of Florida, Gainesville, FL, USA.
2UCLA, Los Angeles, CA, USA

P2-22 One size doesn't fit all: Critical selection of social determinants of health for neuropsychological assessment
April Thames¹, Steve Reise¹, Keith Widaman²
1UCLA, Los Angeles, CA, USA. 2UC
Riverside, Riverside, CA, USA

P2-23 Integrating Social Determinants of Health into Neuropsychological Practice: A Conceptual Model for Z-Code Implementation
Brittany Wolff¹, Laura Umfleet²
1UCLA, Los Angeles, CA, USA. 2Medical
College of Wisconsin, Milwaukee, WI, USA

P2-24 Examining Social Determinants of Health in Neuropsychological Assessment: Preliminary Findings from the National Neuropsychology Network
Lucia Cavanagh, Jennifer Dzul-Reyes
University of California Los Angeles, Los Angeles, CA, USA

Coffee Break
10:30 - 10:45 Thursday, 5th February, 2026
Location: Franklin Hall B (Level 4)
Presentation type Other

Plenary B (INS Presidential Lecture): Developments in the Diagnosis and Treatment of Cognitive Deficits in Schizophrenia: Past, Present and Future
10:45 - 11:40 Thursday, 5th February, 2026
Location: Grand Ballroom / Salon E
Presentation type Plenary
Speaker:
Natalia Ojeda Del Pozo, PhD

Introduction:

CE: 1 Hour
Level of Instruction: Intermediate

1067 Developments in the Diagnosis and Treatment of Cognitive Deficits in Schizophrenia: Past, Present and Future

In Memoriam: Remembering Bob Bilder
11:45 - 12:35 Thursday, 5th February, 2026
Location: Grand Ballroom / Salon E
Presentation type INS Event

Dementia SIG Members Meeting
11:45 - 12:35 Thursday, 5th February, 2026
Location: Salon I (Level 5)
Presentation type SIG Meeting
Representative: Unai Diaz-Orureta, PhD

Oncology SIG Members Meeting
11:45 - 12:35 Thursday, 5th February, 2026

Location: Salon K (Level 5)
Presentation type SIG Meeting

Sports SIG Members Meeting
11:45 - 12:35 Thursday, 5th February, 2026
Location: Salon B (Level 5)
Presentation type SIG Meeting

BITSY SIG Members Meeting
11:45 - 12:35 Thursday, 5th February, 2026
Location: Salon D (Level 5)
Presentation type SIG Meeting
Representative: Natasha Ludwig, PhD
& Tristin Nyman-Mallis, PhD

Awards Panel: Senior Career Awards
12:45 - 14:10 Thursday, 5th February, 2026
Location: Grand Ballroom / Salon E
Presentation type INS Awards
Moderator(s): Ruchika Prakash
INS Career Mentoring Award: Yaakov Stern
INS Lifetime Achievement in Research: Sanne Schagen
INS Distinguished Career Award: Lance Trexler

Symposium 05: (Edmonds) Objective Approaches to Identifying Subtle Cognitive Decline in Aging and Preclinical Alzheimer's Disease
12:45 - 14:10 Thursday, 5th February, 2026
Location: Salon I (Level 5)
Presentation type Symposium
Introduction:

32 Objective Approaches to Identifying Subtle Cognitive Decline in Aging and Preclinical Alzheimer's Disease
Chair

Emily C Edmonds
Banner Alzheimer's Institute; University
of Arizona, Tucson, AZ, USA
Kelsey R Thomas
University of California, San Diego; VA San Diego
Healthcare System, San Diego, CA, USA
Discussant (Optional)

Summary Abstract
With the advent of more reliable Alzheimer's disease (AD) biomarkers, there has been an increase in studies examining "preclinical AD," which describe individuals without mild cognitive impairment (MCI) or dementia, but who have positive AD biomarkers and may show evidence of subtle cognitive decline (i.e., early cognitive difficulties that do not yet reach the threshold for MCI). Within the 2018 NIA-AA Alzheimer's Disease Research Framework, clinical stage 2 recognizes that someone can be cognitively unimpaired but still experience subtle cognitive decline measured by subjective report or objective decline. While significant attention has been given to subjective cognitive decline methods, this symposium will highlight the utility of defining subtle cognitive decline using objective neuropsychological

measures. A recent systematic literature of the literature conducted by the co-chairs identified 70 peer-reviewed studies that described a classification method for objective subtle cognitive decline in participants age 50+ without MCI or dementia. Six approaches to classifying subtle cognitive decline were identified: 1) subtle cognitive decline based on a specified cut-off on a single cognitive test; 2) cut-off (e.g., 10th percentile) on a cognitive composite score; 3) objectively-defined subtle cognitive decline (Obj-SCD) using cut-offs on multiple individual neuropsychological measures; 4) "Pre-MCI" criteria defined using a CDR of 0.5 but normal performance on neuropsychological testing; 5) cut-off based on longitudinal rate of cognitive decline; and 6) data-driven/ clustering approach to classification. This symposium includes six speakers who will describe different methods of classifying objective subtle cognitive decline, and highlight associations with cognitive outcomes and AD biomarkers. Dr. Emily Edmonds will introduce the symposium and summarize the results from the systematic review. Kelsey Amon will present analyses conducted in older adults screened for a clinical trial showing that the application of different operational approaches for subtle cognitive decline yields significantly different proportions of participants staged as cognitively normal, objective subtle cognitive decline, or MCI. Caitlin Terao will present on cognitive intraindividual variability (IIV) within cognitively unimpaired participants and describe longitudinal associations between IIV with cognitive status and neuropathological outcomes. Dr. Kevin Duff will report the results of a study on short-term practice effects as a marker of subtle cognitive decline in cognitively normal individuals, and their relationship with AD biomarkers and cognitive trajectories. Dr. Rita Taylor will discuss the utility of sensitive digital cognitive measures for detecting subtle cognitive decline in cognitively normal individuals with preclinical AD. Lastly, Dr. Kelsey Thomas will share results of a study on global cognitive composites versus IIV and their associations with plasma biomarkers. Together, we will provide evidence that objective subtle cognitive decline classification, particularly in the context of AD biomarkers, can identify at-risk participants. Such classification could benefit clinical trials, as this pre-MCI phase may offer an optimal window for intervention.

Keyword 1

aging disorders

Keyword 2

dementia - Alzheimer's disease

Keyword 3

memory disorders

637 Impact of Operational Approach to Defining Objective Subtle Cognitive Decline on Clinical Staging Among Older Adults Screened for the A4 Clinical Trial

Kelsey Amon, Chao Huang, Holly Fleischmann, Andrew M. Kiselica
University of Georgia, Athens, GA, USA

643 Cognitive Intraindividual Variability in Cognitively Unimpaired Older Adults and

Neuropathological Burden at Autopsy
Caitlin M. Terao¹, Fareshte Erani², Uriel Urias³, Sarah Banks⁴, Paul Gilbert³, Katherine J. Bangen², Kelsey R. Thomas²
¹San Diego State University/University of California San Diego, San Diego, CA, USA. ²University of California San Diego; VA San Diego Healthcare System, La Jolla, CA, USA. ³San Diego State University, San Diego, CA, USA. ⁴University of California San Diego, La Jolla, CA, USA

697 Short-term Practice Effects in Subjective Cognitive Decline and Their Relationship to Biomarker Positivity and Long-Term Trajectory
Kevin Duff¹, Jace B. King², John M. Hoffman², Dustin B. Hammers³
¹Oregon Health & Science University, Portland, OR, USA. ²University of Utah, Salt Lake City, UT, USA. ³Indiana University School of Medicine, Indianapolis, IN, USA

671 Raw Scores Differentiate Amyloid and Tau PET Defined Cognitively Unimpaired Groups Better than Demographically-Adjusted T-scores on a Remote Self-Administered Digital Cognitive Screening Measure: Considering Score Type in Evolving Definitions of Subtle Objective Cognitive Impairment
Rita L. Taylor¹, Ryan D. Frank¹, Winne Z. Fan¹, Teresa J. Christianson¹, Walter K. Kremers¹, Aimee J. Karstens^{1,2}, John L. Stricker¹, Mary M. Machulda¹, Morgan A. Hughes¹, Jason Hassenstab³, Michelle M. Mielke⁴, John A. Lucas⁵, Paula A. Aduen⁵, Gregory S. Day⁵, Neill R. Graff-Radford⁵, Clifford R. Jack, Jr.¹, Jonathan Graff-Radford¹, Ronald C. Petersen¹, Nikki H. Stricker¹
¹Mayo Clinic, Rochester, MN, USA. ²Rush University Medical Center, Chicago, IL, USA. ³Washington University, St. Louis, MO, USA. ⁴Wake Forest University, Winston-Salem, NC, USA. ⁵Mayo Clinic, Jacksonville, FL, USA

664 Using Global Cognition and Intraindividual Variability to Capture Subtle Cognitive Decline: Associations with AD/ADRD Plasma Biomarkers
Kelsey R. Thomas^{1,2}, Caitlin M. Terao³, Fareshte Erani¹, Emily C. Edmonds^{4,5}, Uriel Urias⁶, Kristen Russ⁷, Jeffrey L. Dage⁷, Douglas Galasko¹, Katherine J. Bangen^{1,2}
¹University of California, San Diego, La Jolla, CA, USA. ²VA San Diego Healthcare System, San Diego, CA, USA. ³San Diego State University/University of California San Diego, San Diego, CA, USA. ⁴Banner Alzheimer's Institute, Tucson, AZ, USA. ⁵University of Arizona, Tucson, AZ, USA. ⁶San Diego State University, San Diego, CA, USA. ⁷Indiana University School of Medicine, Indianapolis, IN, USA

Paper 05: Neural and Psychosocial Correlates of Aging
12:45 - 14:10 Thursday, 5th February, 2026
Location: Salon K (Level 5)
Presentation type Paper Session
Moderator:

12:45 - 12:59

728 Older Adults with Enlarged Perivascular Spaces Exhibit Worse Memory
Melanie L. Quiring¹, Arunima Kapoor², John Paul M. Alitin¹, Trevor Lohman¹, Aimee Gaubert¹, Farrah Ferrer¹, Allison C. Engstrom², Jillian L. Joyce¹, Fatemah Shenasa², Amy D. Nguyen¹, Daniel A. Nation¹
¹University of Southern California, Los Angeles, CA, USA. ²University of California Irvine, Irvine, CA, USA

12:59 - 13:13

123 Binding Words to Structure: The Verbal Memory Binding Test is Associated with Left Hippocampal Subfield Volume in Healthy Aging
Elizabeth Espinal^{1,2}, Paul Nietert³, Kathryn Thorn¹, Andreana Benitez⁴
¹Medical University of South Carolina, Department of Neurology, Charleston, SC, USA. ²Northwell Health, Feinstein Institutes for Medical Research, Manhasset, NY, USA. ³Medical University of South Carolina, Department of Public Health Sciences, Charleston, SC, USA. ⁴Medical University of South Carolina, Department of Neurology, Charleston, SC, USA

13:13 - 13:27

1052 Perceived Hearing Loss is Associated with Processing Speed and Executive Functioning Deficits in Older Adults with Treatment-Resistant Late-Life Depression
Kayla Conaty¹, Aristotle N. Voineskos², Helen Lavretsky³, Joshua Shimony⁴, Meryl A. Butters⁵
¹Western Psychiatric Hospital, University of Pittsburgh Medical Center, Pittsburgh, PA, USA. ²Center for Addictions and Mental Health, University of Toronto, Canada, Toronto, Ontario, Canada. ³University of California, Los Angeles, Department of Psychiatry and Biobehavioral Sciences, Los Angeles, California, USA. ⁴Washington University School of Medicine Department of Psychiatry, St. Louis, MO, USA. ⁵Department of Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh, PA, USA

13:27 - 13:41

220 White Matter Hyperintensities and Tract-Specific Integrity Predict Cognitive Outcomes in Older Adults
Averi Giudicessi¹, Lusiana Martinez^{1,2}, Nadeshka Ramirez-Perez^{1,2}, Randy Medrano², Isabela Gonzalez^{1,2}, Isabel Solis², Jorge Alcina², George Silva^{1,2}, Catarina Tristão-Pereira¹, Jairo E. Martinez¹, Marta Gonzalez Catalan¹, Daniel Saldana², Liliana Ramirez-Gomez², Yakeel T. Quiroz^{1,2}
¹Boston University, Boston, MA, USA. ²Massachusetts General Hospital, Boston, MA, USA

13:41 - 13:55

360 Higher-Order Executive Functions are Associated with Financial Altruism in Older Adults: Evidence from the Delis-Kaplan Executive Function System Advanced
Cassidy P. Molinare¹, Gali H. Weissberger², Daisy T. Noriega-Makarskyy¹, Jenna Axelrod¹, Jordan T. Williams¹, Emma

Oyen¹, Paige Kim¹, Dean C. Delis³, S. Duke Han^{1,4,5,6}
¹Department of Psychology, Dornsife College of Letters, Arts and Sciences, University of Southern California, Los Angeles, CA, USA. ²Department of Social and Health Sciences, Bar-Ilan University, Ramat Gan, Israel. ³Department of Psychiatry, University of California, San Diego, School of Medicine, San Diego, CA, USA. ⁴Department of Family Medicine, Keck School of Medicine of USC, Los Angeles, CA, USA. ⁵Department of Neurology, Keck School of Medicine of USC, Los Angeles, CA, USA. ⁶School of Gerontology, University of Southern California, Los Angeles, CA, USA

13:55 - 14:09

377 Purpose in Life Influences Brain Health and Functional Outcomes in a Sample of Older Adults with Healthy Cognition or Mild Cognitive Impairment
Kimberly Halberstadter, Tania Giovannetti
Temple University, Philadelphia, Pennsylvania, USA

Paper 06: Data-Driven Approaches to Brain and Behavior
12:45 - 14:10 Thursday, 5th February, 2026
Location: Salon B (Level 5)
Presentation type Paper Session
Moderator:

12:45 - 12:59

936 A Preliminary Evaluation of Large Language Models for Automated Linguistic Feature Extraction in Alzheimer's Dementia: Proof of Concept Using Synthetic Transcripts
Oscar R. Kronenberger, Laura H. Lacritz, Jeff Schaffert, C. Munro Cullum
UT Southwestern Medical Center, Dallas, Texas, USA

12:59 - 13:13

141 Characterizing abstract reasoning via large-sample lesion data, artificial intelligence, and graph mapping
Lisa Cipolotti, Parashkev Nachev, Mohamad Zeina, Patrick Murphy, Amy Nelson, Edgar Chan, James Ruffell
UCL, London, UK, United Kingdom

13:13 - 13:27

235 Clinical Validation and Machine Learning Optimization of MyCog: A Self-Administered Cognitive Screener for Primary Care Settings
Stephanie Ruth Young
Northwestern University, Chicago, IL, USA

13:27 - 13:41

138 Integrating Remote Testing and Machine-Learning to Identify Non-Motor Markers of Cerebellar Ataxia at Home
William Saban¹, Penina Ponger²
¹Tel Aviv University, Tel Aviv, Israel. ²Tel Aviv Sourasky Medical Center, Tel Aviv, Israel

13:41 - 13:55

626 Classifying Autopsy Diagnosis of Alzheimer's

disease and bvFTD Using Clinical Data
Grace J Goodwin¹, Jorge Fonseca¹, Sebastian Mehrzad²,
Jeffrey L Cummings^{1,3}, Samantha E John¹
¹University of Nevada, Las Vegas, Las Vegas, NV,
USA. ²Princeton University, Princeton, NJ, USA.
³Chambers-Grundy Center for Transformative
Neuroscience, Las Vegas, NV, USA

13:55 - 14:09

152 Impulsivity in Cerebellar Ataxia: An
Online, Multidimensional Assessment
Brooke Chasalow¹, Chi-Ying R Lin², Leila
Montaser-Kouhsari³, William Saban⁴
¹Columbia University, New York, New York, USA. ²Baylor
College of Medicine, Houston, Texas, USA. ³Brigham and
Women Hospital, Harvard University, Boston, MA, USA.
⁴Center for Accessible Neuropsychology, Tel Aviv, Israel

SLC Workshop: Collaboration in Neuropsychology:
Fostering Connection and Advancements in
Research, Assessment, and Intervention
12:45 - 14:10 Thursday, 5th February, 2026

Location: Salon D (Level 5)

Presentation type Student Event

This event is a trainee-focused workshop hosted by the
INS Student Liaison Committee (SLC). The workshop will
focus discussion on building collaborative networks and
projects across common neuropsychology spaces (research,
assessment, intervention), including potential challenges and
how to overcome them. In the first part of the event, trainees
will hear from several INS Special Interest Groups (SIGs)
about their experiences navigating large-scale collaborative
efforts. In the second part of the event, trainees will have
the opportunity to break-out into smaller discussions
with their peers (moderated by SIG representatives),
tailored to the unique opportunities and challenges of
facilitating collaboration in research, assessment, and
intervention. Attendees will come away with practical
knowledge about how to get involved in collaborative
projects and build their networks at the trainee level.

Poster 03: Clinical and Biological Perspectives
on Neurodegeneration: Alzheimer's,
Dementia, and Motor Disorders

12:45 - 14:00 Thursday, 5th February, 2026

Location: Franklin Hall B (Level 4)

Presentation type Poster Session

This session includes a poster symposium and
posters. Scroll down to view all poster presentations
and assigned poster board numbers.

Poster symposia are presented as regular posters,
but are grouped together to allow their presenters to
have a cohesive discussion with interested viewers.

P3-12 Educational Experiences in Moderate
the Association Later-Life Glycemic Level and

Memory Trajectories in Older Adulthood
A. Zarina Kraal¹, Jacqui Smith², Jennifer J Manly³
¹Columbia University Irving Medical Center, New
York, NY, USA. ²University of Michigan, Ann Arbor,
Michigan, USA. ³Columbia University Irving
Medical Center, New York, New York, USA

P3-13 The Cognitive Impact of Antidepressants
on Alzheimer's Disease

Abby J Dickinson, Steven A Rogers

Westmont College, Santa Barbara, CA, USA

P3-14 The Impact of Psychotherapy on Cognitive
Functioning in Patients with Parkinson's Disease

Abby J Dickinson, Steven A Rogers

Westmont College, Santa Barbara, CA, USA

P3-15 Concordance between clinical neuropsychological
evaluation and amyloid biomarker testing in a clinical sample

Ryan C Thompson White, Abeera Ahmad,
Savana M Naini, Melanie Ventura, Zach Greth,
Sophie Bell, Virginia T Gallagher, Shannon E
Reilly, Anelyssa D'Abreu, Carol A Manning
University of Virginia School of Medicine,
Charlottesville, VA, USA

P3-16 Assessing Methods of Executive Ability From Trail
Making Test Part B to Predict Short- and Long-Term
Verbal Memory in Alzheimer's Disease Population

Andrea Vargas Ramirez¹, Natalie Gevoganian²,
Raymundo Cervantes², Isabel D.C. Muñoz³, Mauricio
A. Díaz Torres⁴, Sandra Meza Cavazos¹, Fátima I.
Porrugas Cantú⁵, Ana V. De Anda Roa⁴, Armando
Acuña Rodríguez⁴, Daniel Walter López Hernández²
¹Universidad de Monterrey, Monterrey, Nuevo León, Mexico.
²Alliant International University, Alhambra, California, USA.
³CSU Northridge, Northridge, California, USA. ⁴Tecnológico
de Monterrey, Monterrey, Nuevo León, Mexico. ⁵Tecnológico
de Monterrey, Tlalpan, Ciudad de México, Mexico

P3-17 The Virtual Kitchen Challenge: Preliminary
Analyses on the Potential to Detect Short-Term
Change in Cognition and Mood in Older Adults

Anna Callahan^{1,2}, Marina Kaplan¹, Moira McKniff¹,
Sophia Holmqvist¹, Kimberly Halberstadter¹, Stephanie
M. Simone¹, Molly B. Tassoni¹, Melissa Rosahl¹, Riya
Chaturvedi¹, Rachel E. Mis¹, Katherine Hackett¹, Giuliana
Vallecorsa¹, Takehiko Yamaguchi³, Tania Giovannetti¹
¹Department of Psychology and Neuroscience, Temple
University, Philadelphia, PA, USA. ²Penn Memory Center,
Department of Neurology, University of Pennsylvania,
Philadelphia, PA, USA. ³Department of Applied Information
Engineering, Suwa University of Science, Nagano, Japan

P3-18 Neighborhood Disadvantage as a Mediator
of the Effects of Residential Segregation on
Longitudinal Cognitive and Functional Outcomes

among Black Older Adults in ACTIVE
Ashley D Chikkala¹, Abbey M Hamlin¹, Kelsey R Thomas², Michael Marsiske³, Alexandra L Clark¹
¹University of Texas at Austin, Austin, Texas, USA.
²University of California San Diego, San Diego, California, USA.
³University of Florida, Gainesville, Florida, USA

P3-19 Do Baseline Global Scores on the Clinical Dementia Rating Scale Moderate Domain-Specific Longitudinal Change?
Batul Yawer, Glenn Smith, Michael Marsiske
University of Florida, Gainesville, USA

P3-20 Cerebrospinal Fluid Hyperphosphorylated Tau/Amyloid Beta Ratios Predict Memory Decline in Healthy Older Adults, but Plasma Ratios Do Not
Bradley J. Dixon¹, John L. Woodard¹, Lynn M. Bekris², Maria Khrestian³, Kristy A. Nielson⁴, J. Carson Smith⁵, Sally Durgerian³, Stephen M. Rao³
¹Wayne State University, Detroit, MI, USA. ²University of Washington, Seattle, WA, USA. ³Cleveland Clinic, Cleveland, OH, USA. ⁴Marquette University, Milwaukee, WI, USA. ⁵University of Maryland, College Park, MD, USA

P3-21 Internal Consistency and Convergent Validity of Subjective Effort and Workload Measures in Older Adults on the Alzheimer's Disease Continuum
Caroline H Armknecht, Austin Jensen, Zanoos C. Cassim, Allie R Geiger, Julia V Vehar, Jasmin E Guevara, Kevin Duff, Matthew J Euler
University of Utah, Salt Lake City, UT, USA

P3-22 Large-Scale Cerebrospinal Fluid Proteomics Reveals Biological Mediators of the Effects of Sex on Tau Burden in Alzheimer's Disease
Coty Chen, Joshua Downer, Claire J Cadwallader, Laura Fenton, Valentina E Diaz, Lana S Callies, Carina Lo, Sophia Licata, Jessica Buxton, Julia Borger, Molly Olzinski, Claire Yballa, Argentina Lario-Lago, Albert Pham, Shubir Dutt, Emily W Paolillo, Joel H Kramer, Julio C Rojas, Gil D Rabinovici, Renaud La Joie, Adam L Boxer, Kaitlin B Casaletto, Rowan Saloner
University of California, San Francisco, San Francisco, CA, USA

P3-23 The Association Between Alzheimer's Disease, Mood, and Bilingualism on Color Word Interference Test
Daniel Walter López Hernández¹, Raymundo Cervantes¹, Isabel D.C. Muñoz², Mariam Gomez³, Sara P. González Flores⁴, Andrea Vargas Ramírez⁵, Jéssica V. Bautista Martínez⁴, Nicole Feeney⁶, Paulina N. Arévalo Torres⁷, Natalie Gevoganian¹
¹Alliant International University, Alhambra, California, USA. ²California State University, Northridge, California, USA. ³Maastricht University, Maastricht, Netherlands. ⁴Tecnológico de Monterrey, Monterrey, Nuevo León, Mexico. ⁵Universidad de Monterrey, Monterrey, Nuevo

León, Mexico. ⁶UCLA, Los Angeles, California, Mexico. ⁷Tecnológico de Monterrey, Guadalajara, Jalisco, Mexico

P3-24 Immigration-Related Experiences and Brain Health in Older Chinese Americans
Drew P. Melancon¹, Cigdem S. Bayrak¹, Catherine Kenney¹, Li Zhou¹, Tianxu Xia¹, Amy Aloysi¹, Judith Neugroschl¹, Xinyi Zhang¹, Shreya Upendra¹, Sarah Curtis¹, Romal Bhullar¹, Yuekun Shao¹, Jason Morin¹, Mahmood Mohamed¹, Heng Chu¹, Dongming Cai², Ankit Parekh¹, Jessica Spat-Lemus³, Bin Zhang¹, Clara Li¹
¹Icahn School of Medicine at Mount Sinai, New York, NY, USA. ²University of Minnesota, Minneapolis, MN, USA. ³Montclair State University, Montclair, NJ, USA

P3-25 Memory vs. Non-Memory Cognitive Concerns: Relation to Dementia Worry and Illness Perceptions
Elise K. Grant^{1,2}, Taylor D. Lambertus², Julie A. Suhr²
¹Ohio State University, Columbus, OH, USA. ²Ohio University, Athens, OH, USA

P3-26 Cognitive Variability and Sensory Function as Early Indicators of Alzheimer's Pathology
Elodie M Foster^{1,2}, Carolyn J Herbert³, Sunu Mathew^{1,2}, Aaron Vosmeier^{1,2}, Savannah Hottle^{1,3}, Liana G Apostolova^{2,4}, Jared R Brosch^{2,4}, David G Clark^{2,4}, Martin R Farlow^{2,4}, Sujuan Gao^{2,5}, Devin D Mackay⁴, Fredrick W Unverzagt^{2,6}, Sophia Wang^{2,6}, Charles W Yates³, David B Pisoni^{3,7}, Andrew J Saykin^{1,2}, Shannon L Risacher^{1,2,8}, Dustin B Hammers^{2,4}
¹Center for Neuroimaging, Department of Radiology and Imaging Sciences, Indianapolis, IN, USA. ²Indiana Alzheimer's Disease Research Center, Indianapolis, IN, USA. ³Department of Otolaryngology, Indianapolis, IN, USA. ⁴Department of Neurology, Indianapolis, IN, USA. ⁵Department of Biostatistics and Health Data Science, Indiana University School of Medicine, Indianapolis, IN, USA. ⁶Department of Psychiatry, Indianapolis, IN, USA. ⁷Department of Psychological and Brain Sciences, Indiana University, Bloomington, IN, USA. ⁸Wake Forest School of Medicine, Winston-Salem, NC, USA

P3-27 The Effect of Familial Predisposition on Cognitive Profiles in Alzheimer's Disease Patients
Emery L Oneale, Steven A Rogers
Westmont College, Santa Barbara, CA, USA

P3-28 The Effect of Mid-Life Occupational Complexity on Late-Life Cognitive Performance in Older Adults
Enqi Wang^{1,2}, Zihao (Gavin) Geng¹, Corina Lazarenco², Maxime Montembeault^{1,2}
¹McGill University, Montreal, QC, Canada. ²Douglas Research Centre, Verdun, QC, Canada

P3-29 Associations Between Bile Acids, Neurovascular Function, and Cognition in Amnesic Mild Cognitive Impairment

Halle Berres, Fatima Aboulalazm, Alexis Kazen, Shawn Obarski, Kelly Ristow, Alexander Cohen, Malgorzata Franczak, Yang Wang, John Kirby, Laura Glass Umfleet
Medical College of Wisconsin, Milwaukee, USA

P3-30 The Role of Proteins and Physical Exercise on Memory in Middle-Aged Adults
Hana Gross, Fayeza Ahmed
University of Maine, Orono, Maine, USA

P3-31 The Clinical-Biomarker Gap in Alzheimer's Disease: A Case of Relatively Preserved Cognition
Hevylla Terlau, Carolina Posada, Kristin Slyné
Hartford HealthCare / Institute of Living, Hartford, CT, USA

P3-32 The Effects of Depression and Sex on Executive Function Performance in Adults with Dementia
Jacqlynn Patino^{1,2}, Isabella Vigna^{1,3}, Lauren Bennett¹
¹Hoag Memorial Presbyterian Hospital Pickup Family Neurosciences Institute, Irvine, CA, USA.
²Azusa Pacific University, Azusa, CA, USA. ³Loma Linda University, Loma Linda, CA, USA

P3-33 Classification of Normal Cognition, Mild Cognitive Impairment, or Alzheimer's Disease by Daily Functional Skills
Jennifer M Hunter, Seth M Sangalang, Jill Razani
California State University, Northridge, Northridge, CA, USA

P3-34 Bilingualism Does Not Influence Episodic Verbal Memory
Jéssica V. Bautista Martínez¹, Andrea Vargas Ramirez², Daniel Walter López Hernández³
¹Tecnológico de Monterrey, Monterrey, Nuevo León, Mexico.
²Universidad de Monterrey, Monterrey, Nuevo León, Mexico.
³Alliant International University, Alhambra, CA, USA

P3-35 Semantic Fluency Predicts Cerebrospinal Fluid (CSF) Amyloid and Tau Positivity
Jessica Rodrigues, John L Woodard
Wayne State University, Detroit, Michigan, USA

P3-36 The Utilization of The Reliable Digit Span as an Embedded Measure of Performance Validity with Alzheimer's Disease Populations
José R. Andrade Velasco¹, Nicole Feeney², Natalie Gevoglani³, Raymundo Cervantes³, Isabel D.C. Muñoz⁴, Andrea Vargas Ramírez⁵, Sara P. González Flores¹, Demien Naghd⁶, Fátima I. Porragas Cantú⁷, Jéssica V. Bautista Martínez¹, Armando Acuña Rodríguez¹, Daniel Walter López Hernández³
¹Tecnológico de Monterrey, Monterrey, Nuevo León, Mexico. ²UCLA, Los Angeles, California, USA. ³Alliant International University, Alhambra, California, USA. ⁴CSU Northridge, Northridge, California, USA. ⁵Universidad de Monterrey, Monterrey, Nuevo León, Mexico. ⁶University of Nevada Las Vegas, Las Vegas, Nevada, USA. ⁷Tecnológico de Monterrey, Tlalpan, Ciudad de México, Mexico

P3-37 Tech Support: Systematic review of personal digital devices and applications developed to promote everyday function in older adults with cognitive impairment
Julia Manganti¹, Katherine Hackett², Tania Giovannetti¹
¹Temple University, Philadelphia, Pennsylvania, USA. ²Icahn School of Medicine at Mount Sinai, New York, New York, USA

P3-38 Wellbeing as a Cognitive Protective Factor: Differential Effects by Sociodemographic Characteristics
Karysa J Britton¹, Tomiko Yoneda², Bryan D James³, Emily Willroth¹
¹Washington University in St. Louis, St. Louis, Missouri, USA. ²University of California, Davis, Davis, California, USA. ³Rush University, Chicago, Illinois, USA

P3-39 Knowledge of APOE Genotype and Memory Anxiety: Evidence for Framing Effects in Self-Report
Katherine J. Shoemaker¹, Meenakshi Menon¹, Mara Mather², Jessica Langbaum³, Jason Karlawish⁴, Sarah J Barber¹
¹Georgia State University, Atlanta, Georgia, USA. ²University of Southern California, Los Angeles, California, USA. ³Banner Alzheimer's Institute, Phoenix, Arizona, USA. ⁴University of Pennsylvania, Philadelphia, Pennsylvania, USA

P3-40 Psychological Impact of Amyloid Biomarker Disclosure in Individuals with Cognitive Impairment
Keiris D Surita^{1,2}, Haley Kohl¹, Gloria Whitaker^{1,2}, Roger L Albin^{3,2,4}, Robert Koeppe⁵, Sara Feldman⁶, Scott Roberts^{2,6}, Benjamin M Hampstead^{1,2,4}, Annalise Rahman-Filipiak^{1,2}
¹Research Program on Cognition and Neuromodulation Based Interventions, Departments of Psychiatry and Neurology, University of Michigan, Ann Arbor, MI, USA. ²Michigan Alzheimer's Disease Center, Ann Arbor, MI, USA. ³Department of Neurology, University of Michigan, Ann Arbor, MI, USA. ⁴VA Ann Arbor Healthcare System, Ann Arbor, MI, USA. ⁵Department of Radiology, University of Michigan, Ann Arbor, MI, USA. ⁶Department of Health Behavior and Health Equity, University of Michigan School of Public Health, Ann Arbor, MI, USA

P3-41 The Moderating Effects of Amyloid Status and Sleep Duration on the Relationship Between Anxiety and Depressive Symptoms and Amygdalar Tau Burden in Preclinical Alzheimer's Disease
Kyra Bonta^{1,2}, Joyce S Li¹, Samantha Tun¹, Carolyn Fredericks¹
¹Yale University, New Haven, CT, USA. ²Ohio State University, Columbus, OH, USA

P3-42 Spatial vision and Three-Dimensional Constructional Ability in Posterior Cortical Atrophy
Lawrence C McCloskey¹, Daniel Capruso²
¹Wellspan Health, York, PA, USA. ²New York City College of Technology, Brooklyn, New York, USA

P3-43 Early-Onset Alzheimer's Disease Presenting with Focal Aware Epilepsy: A Case Study

Leah C Sutton¹, Emily Kim^{1,2}, Hannah Klein¹, Jane Martin¹, Maria Loizos¹
¹Icahn School of Medicine at Mount Sinai, New York, NY, USA. ²Yeshiva University, Bronx, NY, USA

P3-44 The Role of Visuospatial Memory in Compensatory Aid Usage to Support Activities of Daily Living in Healthy Aging and Mild Cognitive Impairment

Lily M Wilkin¹, Jordan Kozuki¹, Sophia Riser¹, Abigail Barrow¹, Emma Bennett¹, Chris Miller¹, Matthew Wright^{1,2}, Maureen Schmitter-Edgecombe³, Ellen Wool²
¹California State University, Fresno, Fresno, California, USA. ²University of California San Francisco, San Francisco, California, USA. ³Washington State University, Pullman, Washington, USA

P3-45 Investigating Neural Predictors of Risk and Resilience to Alzheimer's Disease

Lloyd-Sho B Akai-Dennis¹, Julia Sinople², Laura Korthauer²
¹Brown University, Providence, RI, USA. ²Rhode Island Hospital, Providence, RI, USA

P3-46 Sex Differences in Alzheimer's Disease Biomarkers are Evident in Amyloid-Positive Individuals with Objective Subtle Cognitive Difficulties

Mackenzie Topper¹, Sheina Emrani², William C. Heindel¹, Jenna K. Blujus¹
¹Brown University, Providence, RI, USA. ²University of Pennsylvania School of Medicine, Philadelphia, PA, USA

P3-47 Processing Speed Predicts Mexican Females with Alzheimer's Disease Working Memory

María I. del Villar Basauri¹, Andrea Vargas Ramírez¹, Natalie Gevoglianian², Paulina N. Arévalo Torres³, Isabel D.C. Muñoz⁴, Ana Minakata⁵, Mariam Gomez⁶, Sandra Meza Cavazos¹, Fátima I. Porragas Cantú⁷, Demien Naghdi⁸, Nicole Feeney⁹, Esteban Valenzuela Romero⁵, Daniel Walter López Hernández²
¹Universidad de Monterrey, Monterrey, Nuevo León, Mexico. ²Alliant International University, Los Angeles, California, USA. ³Tecnológico de Monterrey, Guadalajara, Jalisco, Mexico. ⁴California State University, Northridge, California, USA. ⁵Tecnológico de Monterrey, Monterrey, Nuevo León, Mexico. ⁶Maastricht University, Maastricht, Netherlands. ⁷Tecnológico de Monterrey, Tlalpan, Ciudad de México, Mexico. ⁸University of Nevada, Las Vegas, Nevada, USA. ⁹UCLA, Los Angeles, California, USA

P3-48 Regional Patterns of Change in Cholinergic Receptor Binding in Aging and Alzheimer's Disease

McKenna E. Williams^{1,2}, Stacy Wilkins¹, Jennifer Kamar¹, David L. Sultzer^{1,3}, Rebecca J. Melrose¹
¹Dept of Mental Health & Dept of Research, VA Greater Los Angeles Healthcare System, Los

Angeles, CA, USA. ²University of California San Diego, La Jolla, CA, USA. ³Institute for Memory Impairments and Neurological Disorders (UCI MIND), University of California, Irvine, Irvine, CA, USA

P3-49 Nonpharmacological Lifestyle Factors and Hormesis: Effects on Learning and Memory in an Animal Model of Alzheimer's Disease

Michelle Morgan, Zaida Lopez, Richard E. Hartman
 Loma Linda University, Loma Linda, CA, USA

P3-50 Interactions between Cognition and Personality in Adults With Dementia: Role of Gender and Age

Molly Berg, Radhika Krishnamurthy
 Florida Institute of Technology, Melbourne, Florida, USA

P3-51 Progression from Conduction Aphasia to Logopenic Variant Primary Progressive Aphasia: A Longitudinal Case Study of Progressive Language Decline

Natalie F Edman^{1,2}, Paul J Mattis^{2,3}
¹Ferkauf Graduate School of Psychology, Yeshiva University, Bronx, New York, USA. ²Department of Neurology, Northwell Health, Manhasset, New York, USA. ³The Feinstein Institute for Medical Research, Manhasset, New York, USA

P3-52 Verbal Memory Status and Mood Symptom Differences in Alzheimer's Disease: Associations With Verbal Intelligence

Natalie Gevoglianian¹, Isabel D.C. Muñoz², Raymundo Cervantes¹, Andrea Vargas Ramírez³, María I. del Villar Basauri³, Nicole Feeney⁴, Maura Villalobos San José⁵, Sara P. González Flores⁶, Jéssica V. Bautista Martínez⁶, José R. Andrade Velasco⁶, Daniel Walter López Hernández¹
¹Alliant International University, Alhambra, California, USA. ²CSU Northridge, Northridge, California, USA. ³Universidad de Monterrey, Monterrey, Nuevo León, Mexico. ⁴UCLA, Los Angeles, California, USA. ⁵Tecnológico de Monterrey, Tlalpan, Ciudad de México, Mexico. ⁶Tecnológico de Monterrey, Monterrey, Nuevo León, Mexico

P3-53 Method Matters: Understanding Discrepancies Between Reported and Observed Functional Abilities in a Memory Disorder Clinic Population

Nicolet R D'Argenzio, Amanda Capriglione, Kevin Murray
 Florida Institute of Technology, Melbourne, FL, USA

P3-54 Semantic Clustering in Alzheimer's: The Influence of Animal Fluency, Disease Severity, and Alzheimer's Disease Etiology

Rio Frohoff, Conner Stephenson, Lauren Bennett
 Hoag Memorial Hospital Presbyterian, Newport Beach, CA, USA

P3-55 Midlife Cognitive Predictors of Resting State Network Integrity in Individuals at Elevated Alzheimer's Disease Risk

Samantha M. DeLong, Jenna K. Blujus, Elena K. Festa, Laura

E. Korthauer, Hwamee Oh, Michelle L. Rogers, George D. Papandonatos, Stephen P. Buka, William C. Heindel
Brown University, Providence, Rhode Island, USA

P3-56 Bilingualism Serving as a Neuroprotective Factor on Semantic Fluency in Hispanics With Alzheimer's Disease
Sara P. González Flores¹, Daniel Walter López Hernández²
¹Tecnológico de Monterrey, Monterrey, Nuevo León, Mexico.
²Alliant International University, Alhambra, California, USA

P3-57 Stop the Clock: Accuracy of Time Estimation in Early Stages of Degeneration
Sarajane E Rodgers, Celita Owens, Kaseem Parsley, Priya Patel, Shannon O'Loughlin, Sara Glaser, Mahzebin Prapti, Farzin Irani
AAA Neuropsychology, Inc, Malvern, Pennsylvania, USA

P3-58 Alzheimer's Disease and the Use of Blood-Based Biomarkers: A Proposed Shared Decision-Making Framework for Clinical Practice
Savana M. Naini¹, William G. Mantyh¹, Eric J. Waldron¹, David J. Satin¹, Michael R. Basso², Douglas M. Whiteside¹
¹University of Minnesota, Minneapolis, MN, USA. ²Mayo Clinic, Rochester, MN, USA

P3-59 Validating Cognitive Variability as an Outcome Measure with Cerebrospinal Fluid and Amyloid PET Biomarkers of Alzheimer's Disease
Shayne S.-H. Lin¹, Alicia Milam², Andrew M. Kiselica³, Stephen L. Aita⁴, Mubarrick Saeed⁵, Troy Webber^{2,6,7}, Steven P. Woods⁷, Nicholas C. Borgogna⁵, Keenan A. Walker⁸, Vidyulata Kamath⁹, Kristina Visscher⁵, Charles Murchison⁵, David S. Geldmacher⁵, Erik D. Roberson⁵, Benjamin D. Hill¹⁰, Victor A. Del Bene⁵
¹Medical College of Wisconsin, Wauwatosa, WI, USA. ²Michael E. DeBakey Veterans Affairs Medical Center in Houston, Houston, TX, USA. ³University of Georgia, Athens, GA, USA. ⁴Whiddon College of Medicine at the University of South Alabama, Mobile, AL, USA. ⁵University of Alabama at Birmingham, Birmingham, AL, USA. ⁶Baylor College of Medicine, Houston, TX, USA. ⁷University of Houston, Houston, TX, USA. ⁸National Institute of Aging, Bethesda, MD, USA. ⁹Johns Hopkins University School of Medicine, Baltimore, MD, USA. ¹⁰University of South Alabama, Mobile, AL, USA

P3-60 Social Factors and Neuropsychiatric Profiles in Older Chinese Americans
Drew P. Melancon¹, Cigdem S. Bayrak¹, Catherine Kenney¹, Li Zhou¹, Tianxu Xia¹, Amy Aloysi¹, Judith Neugroschl¹, Xinyi Zhang¹, Shreya Upendra¹, Sarah Curtis¹, Romal Bhullar¹, Yuekun Shao¹, Jason Morin¹, Mahmood Mohamed¹, Heng Chu¹, Dongming Cai², Bin Zhang¹, Ankit Parekh¹, Jessica Spat-Lemus³, Clara Li¹
¹ICahn School of Medicine at Mount Sinai, New York, NY, USA. ²University of Minnesota, Minneapolis, MN, USA. ³Montclair State University, Montclair, NJ, USA

P3-61 Motherhood's Lasting Impact: The Role of Reproductive History in Alzheimer's Disease
Sofia L. Latta, Steven A. Rogers
Westmont College, Santa Barbara, CA 93108, USA

P3-62 The Cognitive Impacts of Diabetes in Parkinson's Disease: Beyond Vascular Risks
Sofia L. Latta, Steven A. Rogers
Westmont College, Santa Barbara, CA 93108, USA

P3-63 Strategy Use and Verbal Memory After Brief Memory Training Intervention
Spencer K Loong¹, Richelin V Dye^{2,3}
¹Department of Clinical Neuropsychology, Barrow Neurological Institute, Phoenix, AZ, USA. ²Department of Psychology, School of Behavioral Health, Loma Linda University, Loma Linda, CA, USA. ³Department of Psychiatry, School of Medicine, Loma Linda University, Loma Linda, CA, USA

P3-64 Predicting Alzheimer's Disease in Non-Amnesic Mild Cognitive Impairment: Evidence from the National Alzheimer's Coordinating Center
Spencer K Loong, William T McCuddy
Department of Clinical Neuropsychology, Barrow Neurological Institute, Phoenix, AZ, USA

P3-65 To Speak or not to Speak? Exploring the Association Between Digital Clock data and Audio data from the Framingham Heart Study
Stephanie G. Li¹, Carson Kingsbury^{1,2}, Santiago Gutierrez-Gomez¹, Victoria Wheeler¹, Cody Karjadi¹, Marisa Long¹, Julia Peterson¹, Ashita Gurnani¹, Jesse Mez¹, Katherine A. Gifford¹
¹Boston University, Boston, MA, USA. ²Tufts University, Boston, MA, USA

P3-66 Systolic Blood Pressure and Type 2 Diabetes Modify the Relationship Between AD/DRD Biomarkers and Cognitive/Functional Impairment: Differential Effects by Race
Tamare V. Adrien¹, Angel Collier¹, Krithika Sivaramakrishnan¹, Louisina Morancy¹, George Daniel¹, Ambar Perez-Lao¹, Franchesca Arias¹, Breton Asken¹, Idaly Velez-Urbe², Warren Barker³, Monica Rosselli², Michael Marsiske¹, Melissa Armstrong¹, Rosie Curiel Cid⁴, David Loewenstein⁴, Ranjan Duara³, Glenn Smith¹, Shellie-Anne Levy¹
¹University of Florida, Gainesville, FL, USA. ²Florida Atlantic University, Boca Raton, FL, USA. ³Mount Sinai Medical Center, Miami Beach, FL, USA. ⁴University of Miami, Coral Gables, FL, USA

P3-67 Subjective Memory Complaints are Associated with Depression and Stress but not Change in Memory or Hippocampal Volume
Valeria Nuno, Taylor F Levine, Karen A Martinez, Jessica ZK Caldwell, Shehroo B Pudumjee

Cleveland Clinic Lou Ruvo Center for
Brain Health, Las Vegas, NV, USA

P3-68 Pairing the Mild Behavioral Impairment
Checklist with Cognitive Assessment to Predict
Amyloid Status in Cognitively Normal Older Adults
Victoria E Sanborn^{1,2}, Tanu Kumar³,
Hannah Alaimo², Lori A Daiello^{1,2}
¹The Warren Alpert Medical School of Brown University,
Providence, Rhode Island, USA. ²Rhode Island
Hospital Alzheimer's Disease and Memory Disorders
Center, Providence, Rhode Island, USA. ³William
James College, Boston, Massachusetts, USA

P3-69 The Effects of Single-Dose Transcranial
Photobiomodulation on Regional Intrinsic Brain
Activity and Global Cognition in Mild Cognitive
Impairment and Early Alzheimer's Disease
Xiaotong Song¹, Naomi Gaggi^{1,2}, Katherine Collins²,
Aura Hurtado³, Zamfira Parincu², Kathryn Evans², Maia
Gersten³, Anna Peterson¹, Ricardo Osorio^{1,2}, F. Xavier
Castellanos², Paolo Cassano³, Dan Iosifescu^{1,2}
¹New York University Grossman School of Medicine, New
York, NY, USA. ²Nathan Kline Institute for Psychiatric
Research, Orangeburg, NY, USA. ³Massachusetts General
Hospital/Harvard Medical School, Boston, MA, USA

P3-70 Associations Between Type 2 Diabetes,
Social Interactions, and Memory in Older Adults
in the Health and Retirement Study
Yoojin E. Chang¹, A. Zarina Kraal²
¹Archbishop Molloy High School, Briarwood, New York,
USA. ²Department of Neurology, Columbia University
Irving Medical Center, New York, New York, USA

P3-71 Neuropathologic Changes in Relation to
Longitudinal Change in Self-Reported Quality
of Life in Older Adults Age 90 or Older
Zarui A Melikyan¹, Katherine A Colcord¹, Hayley B
Kristinsson¹, Michael A Yassa¹, Syed A Bukhari², Thomas
J Montine², Claudia H Kawa¹, María M Corrada¹
¹UCI, Irvine, California, USA. ²Stanford
University, Stanford, CA, USA

P3-72 Exercise Frequency as a Proxy for Post-
surgical Mood and Apathy Outcomes in Deep Brain
Stimulation Candidates with Parkinson's Disease
Belinda Y Zhang^{1,2}, Sara Heide¹, Hannah
Bradley¹, Christina A Palmese¹
¹Icahn School of Medicine at Mount Sinai,
New York, NY, USA. ²University of Southern
California, Los Angeles, CA, USA

P3-73 Factor Structure of the Geriatric Depression Scale
and its Association with Cognition in Parkinson's Disease
Delaina B. Cimmino, Julia C. Harris, Grant G.
Moncrief, Anna C. Graefe, Robert M. Roth

Dartmouth-Hitchcock Medical Center, Lebanon, NH, USA

P3-74 Deep Brain Stimulation for Essential
Tremor Secondary to Multiple Sclerosis:
Neuropsychological Outcomes
Emily R. Friedrich¹, Timothy W. Brearly¹, Celeste A.
Santivasci², Sol DeJesus¹, James McInerney¹, Elana Farace¹
¹Penn State Health Milton S. Hershey Medical
Center and College of Medicine, Hershey, PA,
USA. ²Pennsylvania State University Department
of Psychology, University Park, PA, USA

P3-75 Magnitude of Cognitive Change in
Parkinson's Disease and Essential Tremor
Patients Following Deep Brain Stimulation
Hannah W Schweitzer, Whitney Allen, Cierra Daniels,
Joshua Finney, Jonah Newsom, Jennifer Kleiner, Jennifer
Gess, Hilary Clark, Anna Claire Franklin, Lee Isaac
University of Arkansas for Medical
Sciences, Little Rock, AR, USA

P3-76 Does Higher Educational Attainment, as a Proxy
for Cognitive Reserve, Moderate Processing Speed
Decline in Parkinson's Disease and Essential Tremor?
Isabel Cantó Rullán, PsyD, Matthew Wallace, PsyD,
Benjamin L. Johnson-Markve, PsyD., ABPP-CN
AdventHealth, Orlando, Florida, USA

P3-77 Moderating Factors of Symbol Digit
Modalities Test trials in Parkinson's Disease
Jessica N Lanctot^{1,2}, Paul J Mattis¹
¹Northwell Health, Manhasset, NY, USA.
²Roosevelt University, Chicago, IL, USA

P3-78 Moderating Factors of Symbol Digit Modalities Test
trials in Rapid Eye Movement Sleep Behavior Disorder
Jessica N Lanctot^{1,2}, Rachel A Schecter^{1,3},
Caitlin C Dougher^{1,4}, Paul J Mattis^{1,5}
¹Northwell Health, Manhasset, NY, USA. ²Roosevelt
University, Chicago, IL, USA. ³Ferkauf Graduate
School of Psychology, Bronx, NY, USA. ⁴Fordham
University, Bronx, NY, USA. ⁵The Feinstein Institutes
for Medical Research, Manhasset, NY, USA

P3-79 Neuropsychological Assessment in Deep
Brain Stimulation (DBS) Surgery: Enhancing
Multidisciplinary Decision-Making Through Risk
Stratification Using a Three-Point Scale
Joren G. Adams¹, Franchesca Campbell², Mikaela Bubna³,
Gelan Ying⁴, Jasmin E. Guevara⁵, Kieran T. Slattery²,
Kara Semanision⁵, Yinka Read⁵, Baochan Tran⁵
¹Oregon Health & Science University, Portland, OR, USA.
²Widener University, Chester, PA, USA. ³Rowan University,
Glassboro, NJ, USA. ⁴University of Florida, Gainesville, FL,
USA. ⁵University of Pennsylvania, Philadelphia, PA, USA

P3-80 The Influence of Feedback Timing on

Learning in Individuals with Parkinson's Disease
Kai Sucich, Erica Weber, Ekaterina Dobryakova
Kessler Foundation, East Hanover, NJ, USA

P3-81 Apathy and Anxiety in Parkinson's Disease: Measures Matter
Katie Rodriguez, Rachel N Schade, Hannah Appleton, Michael Okun, Kelly Foote, Justin Hilliard, Gregory Pontone, Dawn Bowers
University of Florida, Gainesville, FL, USA

P3-82 Demographic and Clinical Factors Associated with Deep Brain Stimulation Candidacy Recommendations in an Appalachian Movement Disorders Clinic
Lauren A.-M. Schenck, Kristyn Ford, Michelle Hudson, Rebecca Osterwise
Marshall University, Huntington, WV, USA

P3-83 Cognitive Predictors of Positive Response to High Volume Lumbar Puncture in Patients Undergoing Evaluation for Normal Pressure Hydrocephalus
Matthew D. Davis¹, Caroline Nester Rooney^{2,1}, Caroline Murray¹, Kenneth Vinacco³, Saud Alhusaini^{4,5}, Prarthana Prakash^{4,5}, Emily Weisbach^{4,5}, Maria Guglielmo^{6,7}, Konstantina Svokos^{6,7}, Petra Klinge^{8,7}, Laura E. Korthauer^{2,1}, Jennifer D. Davis^{2,1}
¹Neuropsychology Program, Rhode Island Hospital, Providence, RI, USA. ²Department of Psychiatry and Human Behavior, The Alpert Medical School of Brown University, Providence, RI, USA. ³Rehabilitation Services, Rhode Island Hospital, Providence, RI, USA. ⁴Department of Neurology, The Alpert Medical School of Brown University, Providence, RI, USA. ⁵The Movement Disorders Program, Rhode Island Hospital, Providence, RI, USA. ⁶Department of Neurosurgery, The Alpert Medical School of Brown University, Providence, RI, USA. ⁷Neurosurgery Department, Rhode Island Hospital, Providence, RI, USA. ⁸The Department of Neurosurgery, The Alpert Medical School of Brown University, Providence, RI, USA

P3-84 Testing Subjective Cognitive Concerns as a Moderator on the Association Between Parkinsonism and Loneliness
Michelle G Flores¹, Karen S Basurto², Briana N Galindo³, Robert S Wilson⁴, David A González⁴
¹Illinois Institute of Technology, Chicago, IL, USA. ²Rosalind Franklin University of Medicine and Science, North Chicago, IL, USA. ³University of Illinois Chicago, Chicago, IL, USA. ⁴Rush University Medical Center, Chicago, IL, USA

P3-85 Pareidolia in Parkinson's Disease: Test Adaptation for Online Administration, and Relation to Visual Hallucinations, Visual Processing, and Clinical Variables
Nicholas Picanso¹, Shraddha Kinger², Alice Cronin-Golomb²
¹Boston University, Boston, MA, USA.
²Boston University, Boston, MA, USA

P3-86 Early social and behavioral changes in premanifest Huntington disease. Results from the SCOP-HD study using a non-immersive virtual reality serious game
Pauline Narme¹, Sabrina Sayah², Clara Jarzaguet¹, Mariana Atencio², Salome Sudrie¹, Anna Heinzmann², Alexandra Durr²
¹Laboratoire Mémoire Cerveau et Cognition, Boulogne-Billancourt, France. ²Sorbonne Université, Paris Brain Institute, APHP, INSERM, CNRS, Hôpital de la Pitié-Salpêtrière, Paris, France

P3-87 A Longitudinal Neuropsychological Case Report of a Juvenile Parkinson's Disease Patient with Kufor-Rakeb Syndrome
Rachel A. Schechter^{1,2}, Gennaro M. DiCarlo³, Paul J. Mattis^{2,4}
¹Ferkauf Graduate School of Psychology, Yeshiva University, Bronx, New York, USA. ²Department of Neurology, Northwell Health, Manhasset, New York, USA. ³Department of Pediatrics, Division of Pediatric Neurology, Northwell Health, New Hyde Park, New York, USA. ⁴The Feinstein Institutes for Medical Research, Manhasset, New York, USA

P3-88 Sex Differences in Cognitive Profiles and Impairment Rates Among Individuals with Parkinson's Disease
Ryan Goodlett^{1,2}, Wilson Mink², Weiying Chen³, Lauren Bennett^{4,1}, Ruth Morin⁴
¹OC neuroPSYCH, Irvine, CA, USA. ²Rosemead School of Psychology (Biola University), La Mirada, CA, USA. ³Alliant International University, Alhambra, CA, USA. ⁴Hoag Memorial Hospital Presbyterian, Newport Beach, CA, USA

P3-89 Clinical and Demographic Factors Associated with Discrepancies in Cognitive Diagnosis Between the MoCA and Neuropsychological Testing in Patients with Parkinson's Disease
Scott A Sperling^{1,2}, Jiali Dong³, Claire Sonneborn⁴
¹Center for Neurological Restoration, Neurological Institute, Cleveland, OH, USA. ²Cleveland Clinic Lerner College of Medicine of Case Western Reserve University, Cleveland, OH, USA. ³Cleveland Clinic, Cleveland, OH, USA. ⁴Department of Quantitative Health Sciences, Lerner Research Institute, Cleveland Clinic, Cleveland, OH, USA

P3-90 Visuospatial Integration and Discrimination in Parkinson's Disease
Se Yun J Kim¹, Grant G Moncrief^{1,2}, Anna C Graefe^{1,2}, Robert Roth^{1,2}
¹Dartmouth Hitchcock, Lebanon, NH, USA. ²Geisel School of Medicine at Dartmouth, Lebanon, NH, USA

P3-91 Are practitioner referral decisions for individuals with simulated signs of Parkinson's disease influenced by race?
Shana Harris
University of Iowa, Iowa City, Iowa, USA

P3-92 Association between Exposure to

Natural Environments (Greenspace) and Non-Motor Symptoms in Parkinson's Disease
Shraddha B. Kinger, Cameron J. Reimer, Devangi Lamba, Nicholas Picanso, Terry D. Ellis, Marcia Pescador Jimenez, Alice Cronin-Golomb
Boston University, Boston, MA, USA

P3-93 Exploring the Impact of Rurality on DBS Access in a Rural State
Jonah Newsom, Cierra Daniels, Lee Isaac, Hilary Clark, Hannah Schweitzer, Jennifer Gess, Whitney Allen, Anna Claire Franklin, Josh Finney, Jennifer Kleiner
University of Arkansas for Medical Sciences, Little Rock, AR, USA

P3-94 Quality of Life Before and After DBS Surgery for Parkinson's Disease
Zainah Siddiqi, BSA1, Amy Werry-McFarlin, PsyD2,3, Joanna Messerly, PsyD2, Brittany Cerborne, PhD2, Okeanis Vaou, MD2,3,4, Alexander Papanastassiou, MD2,4, Sarah Horn, MD2,3,4, Pablo Coss, MD2,4, Leila Saadatpour, MD2,4, Gabriella Hromas, PhD2,3
1Long School of Medicine, San Antonio, Tx, USA.
2Department of Neurology, UT Health San Antonio, San Antonio, USA.
3Glenn Biggs Institute for Alzheimer's & Neurodegenerative Diseases, San Antonio, USA.
4University Health System, San Antonio, USA

P3-95 Excessive Daytime Sleepiness Predicts Independent Variance in Executive Functioning in Parkinson's Disease
Zaira J Rehman1, Christopher I Higginson1, Kimberly E Lanni2
1Loyola University Maryland, Baltimore, MD, USA. 2Louisiana State University Health, Shreveport, Louisiana, USA

P3-96 Online vs General Self-Awareness After Stroke: Differential Links with Depression Symptom Clusters and Cognition
Zhiyan Yang1, Aliayah Himelfarb2, Alexandra Keenan1, Faith M. Gunning2, Joan F. Togli3, Abhishek Jaywant1,2
1Weill Cornell Medicine, Department of Rehabilitation Medicine, New York, NY, USA. 2Weill Cornell Medicine, Department of Psychiatry, New York, NY, USA. 3Mercy University, Dobbs Ferry, NY, USA

P3-97 Minimal Sex Differences in Alzheimer Disease Risk and Cognitive Trajectories: Two Cohort Findings
Carling G. Robinson1, Andrew Aschenbrenner2, Jason Hassenstab1, Carlos Cruchaga1, Michael E. Belloy1, Nicole McKay1, Taylor J. Pedersen1, John C. Morris1, Brian A. Gordon1
1Washington University in St. Louis, St. Louis, MO, USA.
2University of Kansas Medical Center, Kansas City, MO, USA

P3-98 Associations between Tau-PET and CSF MTBR243 do not vary by sex

Carling G. Robinson1, Alexa Pichet Binette2,3,4, Kanta Horie1,5, Chihiro Sato1,5, Suzanne E. Schindler1, Nicolas Barthélemy1, Randall J. Bateman1, Tammie Benzinger1, Shorena Janelidze4, Ellen Singleton4, Erik Stomrud4, Sebastian Palmqvist4, Niklas Mattsson-Carlgren4, Oskar Hansson4, Brian A. Gordon1, Rik Ossenkoppele4,6
1Washington University in St. Louis, St. Louis, MO, USA.
2Université de Montréal, Montréal, Quebec, Canada.
3Universitaire de Gériatrie de Montréal, Montréal, Quebec, Canada.
4Lund University, Lund, Sweden.
5Eisai Inc, Nutley, New Jersey, USA.
6Vrije Universiteit Amsterdam, VUmc, Amsterdam, Amsterdam, Netherlands

P3-01 The Diverse Roles of Neuropsychologists in Clinical Trials: From Design to Disclosure Chair

Annalise M Rahman-Filipiak
University of Michigan, Ann Arbor, MI, USA
Summary Abstract

The rapidly evolving landscape of clinical trials for Alzheimer's disease and related dementias (ADRD) and other neurological conditions requires an expanding expertise. Neuropsychologists play a multitude of roles in the development and implementation of successful trials. These include conceptualizing study design, selecting screening measures for sample stratification, developing non-pharmacologic or combined interventions, incorporating novel technologies and approaches in outcomes as well as treatments, and communicating study results at the individual and community level. This symposium brings together neuropsychologists from the Institute on Methods and Protocols for the Advancement of Clinical Trials in Alzheimer's Disease (IMPACT-AD) to discuss the roles they play in leading and contributing to ongoing trials. Specifically, Dr. Annalise Rahman-Filipiak will utilize top-line results from a recently completed AD biomarker disclosure trial to discuss best practices for communication of individual and study level results in support of recruitment and retention, as well as the role of neuropsychologists in trial safety monitoring. Dr. Andreana Benitez will present data on outcome measures from a completed Phase I neuromodulation trial to address "target engagement" vs. "efficacy", and from an ongoing Phase II trial to illustrate rigor and reproducibility in safety monitoring. Dr. Dustin Hammers will discuss cutting-edge findings from an ongoing lifestyle intervention trial and discuss considerations for these approaches with patients living with cognitive impairment. Dr. Jared Bengt will explore the design of cognitive prosthetics as part of cognitive rehabilitation interventions for older adults with cognitive loss. Finally, Dr. Alyssa Weakley will discuss the role of neuropsychologists in selecting outcome measures, including unobtrusive measures of cognition and everyday function. The symposium will end with a brief synthesis across presentations and discussion. After attending this symposium, attendees will be able to:

1. Appreciate the various roles neuropsychologists

play in the design, implementation, and measurement of clinical trials.

2. Discuss novel non-pharmacologic interventions for patients with major neurological disorders, including traumatic brain injury and Alzheimer's disease.

3. Describe innovative technological applications used as part of non-pharmacologic interventions and the outcomes used to assess them.

4. Review community-centric approaches to enhance clinical trial recruitment, screening, stratification, and retention.

Keyword 1

clinical trials

Keyword 2

dementia - Alzheimer's disease

P3-02 Beyond Safety Monitoring: Future Time Perspective, Perceived Stigma, and Self-Efficacy After Alzheimer's Disease Biomarker Testing

Annalise Rahman-Filipiak¹, Haley Kohl¹, Mary Lesniak¹, Keiris Surita¹, Gloria Whitaker¹, Scott Roberts¹, Benjamin M Hampstead^{2,1}

¹University of Michigan, Ann Arbor, MI, USA. ²VA Ann Arbor Health Systems, Ann Arbor, MI, USA

P3-03 Outcome Measure Selection and Design in Transcranial Magnetic Stimulation Clinical Trials for Mild Cognitive Impairment

Andreana Benitez, Stephanie Aghamoosa

Medical University of South Carolina, Charleston, SC, USA

P3-04 Feasibility of and Ethical Considerations for a Randomized Combined Lifestyle Intervention for the Treatment of Early-Onset Alzheimer's Disease

Dustin B Hammers, Jane Musema, Amy Trullinger, Amy Pottenger, Kala Kirby, Frederick Unverzagt, Liana G Apostolova

Indiana University School of Medicine, Indianapolis, IN, USA

P3-05 Designing Memory Supports for the 21st Century: Methodological Innovations in a Randomized Trial of Digital and Paper-Based Aids

Jared F. Benge¹, Katie Burnett², Rovanie Tindaan¹, Zaria Rodriguez², Richard A Phenix³, Sidonia E Compton¹, Maureen Schmitter-Edgecombe⁴, Luis D Medina⁵, Andrew M Kiselica⁶, Michael K Scullin²
¹University of Texas at Austin, Austin, TX, USA. ²Baylor University, Waco, TX, USA. ³Baylor Scott and White Health, Temple, TX, USA. ⁴Washington State University, Pullman, WA, USA. ⁵University of Houston, Houston, TX, USA. ⁶University of Georgia, Athens, GA, USA

P3-06 Unobtrusive, Technology-Based Measures of Cognition and Function for Next-Generation Alzheimer's Disease Clinical Trials

Alyssa Weakley¹, Michelle Cohn², Dong Yoon Lee³, Sean Montgomery⁴, Vaidehi Ramanathan², Blake Brown¹, Priyanaka Koppolu², Guadalupe Cordova⁵, Keyana Carrion¹,

Chen-Nee Chuah², Sarah Tomaszewski Farias¹, Shijia Pan³
¹University of California, Davis, Sacramento, CA, USA. ²University of California, Davis, Davis, CA, USA. ³University of California, Merced, Merced, CA, USA. ⁴Connected Future Labs, Reno, NV, USA. ⁵University of California, Berkeley, Berkeley, CA, USA

P3-07 Methods to Improve Cognitive Screening and Continuity of Care for Older Adults with Cognitive Disorders in Primary Care Settings
 Chair

Louisa I Thompson

Alpert Medical School at Brown University, Providence, Rhode Island, USA

Dustin Hammers

Indiana University School of Medicine, Indianapolis, IN, USA

Discussant (Optional)

Summary Abstract

The emergence of new disease-modifying treatments and lifestyle interventions for individuals in the early stages of Alzheimer's disease and Related Dementias (AD/ADRD) has substantially increased the need for timely and accurate identification of cognitive decline. Despite this, recent analyses of U.S. Medicare data reveal a large mismatch between the high prevalence of mild cognitive impairment (MCI) and AD/ADRD and the low rates at which these conditions are recognized in routine medical settings. There is therefore an urgent need for improved protocols for screening, referring, and managing cognitive impairment within primary care, where many older adults receive their medical care. Neuropsychologists' expertise in brain-behavior relationships and cognitive assessment can be valuable for supporting improved management of patients with cognitive impairment in primary care clinics. Providers often face multiple barriers to applying cognitive screening tools in practice and may receive minimal training in caring for patients with memory concerns despite the growing older adult population. Additionally, neuropsychologists may be able to offer insights for coordinating care between primary care and specialty clinics for this population. This symposium will examine approaches for improving cognitive screening protocols and methods to integrate care across primary and specialty care teams. Central to some of this work is the use of newer digital cognitive assessments, EMR tools, and other technology-enhanced methods. First, Dr. Margaret Lanca from the Cambridge Health Alliance/Harvard Medical School will discuss dementia screening and brief neuropsychological assessments in primary care. Following up on this work, Dr. Dustin Hammers from Indiana University School of Medicine will examine the effects of comorbidity on digital cognitive screening and implications for treatment. Dr. Mirella Diaz-Santos from the University of California – Los Angeles will consider methods to tailor dementia screening in primary care using a bilingual EHR tool. Next, Dr. Leslie Gaynor from the Vanderbilt University Medical Center will discuss insights

from patient-provider portal messaging patterns to aid in dementia care. Finally, Dr. Sarah Prieto will present on associations between adversity and cognitive screening engagement, acceptability, and performance in primary care. Dr. Louisa Thompson from Brown University will serve as chair and discussant for this presentation series. She will highlight the central role that neuropsychologists can serve in the advancing utilization of new assessment tools in the provision of screening and care.

Keyword 1

memory complaints

Keyword 2

cognitive screening

Keyword 3

dementia - Alzheimer's disease

P3-08 Socioeconomic and Psychosocial Correlates of Engagement and Cognitive Performance in Digital Screening for Older Adults

Sarah Prieto^{1,2}, Molly Lawrence¹, Alyssa De Vito^{1,2}, Rani Elwy^{2,3}, Charles Eaton¹, Louisa Thompson^{1,2}
1Warren Alpert Medical School of Brown University, Providence, RI, USA. 2Butler Hospital, Providence, RI, USA. 3VA Bedford Healthcare System, Bedford, MA, USA

P3-09 Primary-Care-Based Digital Cognitive Assessments:

The Effect of Comorbidity and the Impact on Treatment
Dustin B Hammers¹, Anthony Perkins¹, Jane Musema¹, Jared Brosch¹, Diana Summanwar¹, Anna Hibgie¹, Kristen Swartzell², Deanna Willis¹, Nicole Fowler¹
1Indiana University School of Medicine, Indianapolis, IN, USA. 2Purdue University, West Lafayette, IN, USA

P3-10 Neuropsychology Integration in Primary Care: A Stepped Model of Cognitive Assessment

Margaret Lanca
Harvard Medical School, Cambridge, MA, USA

P3-11 Implementation of an English and Spanish Dementia Screening Toolkit in Primary Care:

Feasibility and Acceptability Findings
Mirella Díaz-Santos¹, Gabriela Islas Huerta¹, Jasmine Cisneros¹, Samantha Shah¹, Satpal Wadhwa¹, Keith Vossell¹, Blanca Campos², Michelle Bholat², Timothy Chang¹
1UCLA, Los Angeles, CA, USA. 2UCR, Riverside, CA, USA

Exhibits Open

12:45 - 17:30 Thursday, 5th February, 2026

Location: Franklin Hall B (Level 4)

Presentation type Exhibitors & Sponsors

Awards Panel: Early to Mid-Career Awards

14:15 - 15:45 Thursday, 5th February, 2026

Location: Grand Ballroom / Salon E

Presentation type INS Awards

Moderator(s): David Schretlen

Post-Doctoral Fellow Award: John-Christopher Finley

Early Career Award: Kelsey Thomas

Mid-Career Award: Shawn McClintock

Paper 07: Neurostimulation and Cognitive Rehabilitation

14:15 - 15:45 Thursday, 5th February, 2026

Location: Salon I (Level 5)

Presentation type Paper Session

Moderator:

14:15 - 14:30

312 Predictors Of Learning The Memory Support System In Individuals With Amnesic Mild Cognitive Impairment
Jun Min Koay¹, Jeremy G Grant², Liselotte De Wit³, Kyra Bonta², Gelan Ying⁴, Octavio A Santos⁵, Elizabeth A Boots¹, Stephanie Aghamoosa⁶, Anne L Shandera-Ochsner⁷, Dona E. C. Locke⁸, Glenn E Smith⁴, Melanie J Chandler⁹
1Department of Psychiatry and Psychology, Mayo Clinic, Rochester, MN, USA. 2Department of Psychology, The Ohio State University, Columbus, OH, USA. 3Department of Rehabilitation Medicine, Emory School of Medicine, Atlanta, GA, USA. 4Department of Clinical and Health Psychology, University of Florida, Gainesville, FL, USA. 5Department of Psychology, The Ottawa Hospital, Ottawa, ON, Canada. 6Department of Health Sciences and Research, Medical University of South Carolina, Charleston, SC, USA. 7Department of Psychiatry and Psychology, Mayo Clinic Health System, La Crosse, WI, USA. 8Department of Psychiatry and Psychology, Mayo Clinic Arizona, Scottsdale, AZ, USA. 9Department of Psychiatry and Psychology, Mayo Clinic Florida, Jacksonville, FL, USA

14:30 - 14:45

467 Four-Year Follow-Up of a Multimodal Intervention for Dementia Prevention: Extended Results from the J-MINT PRIME Tamba Randomized Controlled Trial
Yutaro Oki¹, Tohmi Osaki², Ryoko Kumagai¹, Hisatomo Kowa¹
1Kobe University, Kobe, Japan. 2Kobe Gakuin University, Kobe, Japan

14:45 - 15:00

1038 Functional Brain Network Connectivity Changes Following Paired Transcutaneous Vagus Nerve Stimulation and Cognitive Training in Older Adults
Alexandria G O'Neal, Ronald A Cohen, John B Williamson
University of Florida, Gainesville, FL, USA

15:00 - 15:15

777 Active HD-tDCS Improves Encoding in an Immersive Virtual Reality Navigation Task
Karen Hernandez Reyes, Victor DiRita, Allison Ploutz-Snyder, Alexandru D Iordan, Benjamin M. Hampstead
University of Michigan, Ann Arbor, Michigan, USA

15:15 - 15:30

74 Semantic and phonemic fluency performance following rTMS treatment in Veterans with idiopathic

Parkinson's disease vs. atypical parkinsonism
Hannah A Hagy, Monica Stika, Alexandria Umbarger,
Sadie Walker, Kalea Colletta, Sandra Kletzel
Edward Hines Jr. VA Hospital, Chicago, IL, USA

15:30 - 15:45

409 Self-Generated Encoding in Schizophrenia:
A Possible Rehabilitation Method
Michael Basso¹, Dennis Combs², Douglas
Whiteside³, Savanna Tierney¹
¹Mayo Clinic, Rochester, MN, USA. ²University
of Texas, Tyler, TX, USA. ³University of
Minnesota, Minneapolis, MN, USA

Paper 08: Aphasia & Related Dementias

14:15 - 15:45 Thursday, 5th February, 2026

Location: Salon K (Level 5)

Presentation type Paper Session

Moderator:

14:15 - 14:30

160 Cognition in Alzheimer's Disease, Frontotemporal
Lobar Degeneration, and Co-Pathology
Daliah Ross^{1,2}, Molly Split^{1,2}, Zachary J.
Kunicki¹, Franchesca Rolon², Sarah Prieto^{1,2},
Alyssa N De Vito^{1,2}, Masood Manoochehri^{1,2},
Edward D. Huey^{1,2}, Megan S. Barker^{1,2}
¹Warren Alpert Medical School of Brown University,
Providence, RI, USA. ²Butler Hospital, Providence, RI, USA

14:30 - 14:45

411 Disease Progression in Probable Limbic-
Predominant Age-Related TDP-43 Encephalopathy
Charlotte Moss¹, Konstantinos Arfanakis^{1,2}, Ajay Sood¹
¹Rush University Medical Center, Chicago, IL, USA.
²Illinois Institute of Technology, Chicago, IL, USA

14:45 - 15:00

994 Differentiating Social Cognition Profiles in
the Early Stages of Behavioral Variant Alzheimer's
Disease and Early-Onset Alzheimer's Disease
Angelina M Quagletti^{1,2}, Electra Chatzidimitriou³,
Alhasan Al-Khuraifi¹, Hulya Ulugut², Patrick
Callahan², Gil Rabinovici², Katherine P Rankin²
¹Palo Alto University, Palo Alto, CA, USA. ²University
of California - San Francisco, San Francisco, CA,
USA. ³Aristotle University, Thessaloniki, Greece

15:00 - 15:15

232 Demographic Correlates of Discrepancies
Between the Clinical Dementia Rating Scale Sum
of Boxes and Objective Memory Performance
Emily F. Matusz^{1,2}, Jacob Fiala^{1,2}, Shellie-Anne Levy^{1,2},
Franchesca Arias^{1,2}, Idaly Velez Uribe^{2,3,4}, Ranjan
Duara^{2,4}, Rosie Curiel-Cid^{2,5}, David Loewenstein^{2,5},
Monica Rosselli^{2,3}, Michael Marsiske^{1,2}, Melissa
Armstrong^{1,2}, Glenn Smith^{1,2}, Breton Asken^{1,2}

¹University of Florida, Gainesville, FL, USA. ²Florida
Alzheimer's Disease Research Center, Gainesville,
FL, USA. ³Florida Atlantic University, Boca Raton,
FL, USA. ⁴Wien Center for Alzheimer's Disease and
Memory Disorders, Mount Sinai Medical Center, Miami,
FL, USA. ⁵University of Miami, Miami, FL, USA

15:15 - 15:30

256 Automated Acoustic Analysis of Motor Speech Across
Neuropathologies in Primary Progressive Aphasia
Genevieve Kim^{1,2}, Jane Stocks¹,
Michelle Los¹, Elena Barbieri¹
¹Northwestern University Feinberg School of Medicine,
Chicago, IL, USA. ²Yale University, New Haven, CT, USA

15:30 - 15:45

1047 Disclosing dementia risk based on plasma
phosphorylated tau: A pilot study
Adena Cho^{1,2}, Nathan Favez², Dominic Roby²,
Angela Jefferson², Corey Bolton²
¹Southern Adventist University, Collegedale,
TN, USA. ²Vanderbilt Memory and
Alzheimer's Center, Nashville, TN, USA

Paper 09: Early Influences on Cognitive Development

14:15 - 15:45 Thursday, 5th February, 2026

Location: Salon B (Level 5)

Presentation type Paper Session

Moderator:

14:15 - 14:30

747 Pubertal Maturation Predicts Cognitive Outcomes
in Preadolescence: Evidence from the Adolescent
Brain Development Cohort (ABCD) Study
Alannah R Srsich¹, Vince D Calhoun², Tricia Z King³
¹Georgia State University, Atlanta, GA, USA. ²Tri-
Institutional Center for Translational Research in
Neuroimaging and Data Science (TReNDS), Georgia
State, Georgia Tech, Emory, Atlanta, GA, USA. ³Nell
Hodgson Woodruff School of Nursing, Atlanta, GA, USA

14:30 - 14:45

559 Guided Multimodal Fusion Supports Acceleration
Model of Puberty and Suggests Link Between
Altered Developmental Trajectories and High
Internalizing in Females with Early Pubertal Timing
Marlena Duda¹, Leah H Somerville², Deanna
M Barch³, Vince D Calhoun¹
¹Tri-Institutional Center for Translational Research
in Neuroimaging and Data Science (TReNDS),
Georgia State University, Georgia Institute of
Technology, and Emory University, Atlanta, GA,
USA. ²Harvard University, Cambridge, MA, USA.
³Washington University, St. Louis, MO, USA

14:45 - 15:00

894 Disrupted Cognitive Development in Cerebellar

Tumors During Critical Developmental Stages:

A Retrospective Clinical Data Analysis

Sofia B Ladley¹, Rebecca F Tegiachchi²,

Catherine J Stoodley³, Karin S Walsh³

¹Children's National, Washington, DC, USA.

²American University, Washington, DC, USA.

³Children's National, Washington, DC, USA

15:00 - 15:15

943 Impact of Prenatal Nicotine Exposure
on Infant and Toddler Temperament Markers
of Adolescent Risk-Taking Behavior

Roberto D Bailey¹, Ishra Khan², Tara Samson^{2,3},

Claire J Brabander^{2,3}, Yoko Nomura^{2,3}

¹Hunter College Campus Schools, New York, NY, USA.

²Queens College, City University of New York, Flushing,

NY, USA. ³CUNY Graduate Center, New York, NY, USA

15:15 - 15:30

858 Evaluating the Relationship Between Sleep
Quality, Neural Functioning, and Neurocognitive
Performance in Youth Living with Sickle Cell Disease

Sarah M Sant, Tiffany Tucker, Karthik Reddy, Amanda

Cook, Lauren Lindsey, Donna Murdaugh

The University of Alabama at Birmingham,

Birmingham, AL, USA

15:30 - 15:45

183 Neurodevelopmental Impacts of the
COVID-19 Pandemic on HIV-Exposed,
Uninfected One- and Five-Year-Olds

Lisa E. Mash^{1,2}, Yanling Huo³, Paige L. Williams³,

Lynnette L. Harris⁴, Raiko Johnson⁵, Sharon L.

Nichols⁶, Janna Oetting⁷, Karen Surowiec⁸, Renee

Smith⁹, For the Pediatric HIV/AIDS Cohort Study¹⁰

¹Ann & Robert H. Lurie Children's Hospital of Chicago,

Chicago, IL, USA. ²Northwestern University Feinberg

School of Medicine, Chicago, IL, USA. ³Harvard T. H. Chan

School of Public Health, Boston, MA, USA. ⁴Texas Children's

Hospital, Houston, TX, USA. ⁵University of Colorado Denver,

Denver, CO, USA. ⁶University of California San Diego, San

Diego, CA, USA. ⁷Louisiana State University, Baton Rouge,

LA, USA. ⁸Rutgers New Jersey Medical School, Newark, NJ,

USA. ⁹University of Illinois at Chicago, Chicago, IL, USA. ¹⁰

Symposium 06: (Wylie) Fatigue in health and disease

14:15 - 15:45 Thursday, 5th February, 2026

Location: Salon D (Level 5)

Presentation type Symposium

Introduction:

43 Fatigue in health and disease

Chair

Glenn R Wylie

Kessler Foundation, West Orange, NJ, USA

Discussant (Optional)

John DeLuca

Kessler Foundation, West Orange, NJ, USA

Summary Abstract

This symposium will explore the latest research investigating physical and cognitive fatigue. Fatigue, which is widely accepted as a multi-faceted symptom, is both pervasive and persistent. It affects ~22% of the general population and is a particular problem following neurological disease or infection. For instance, as many as 90% of individuals with multiple sclerosis (MS) report fatigue to be their worst symptom. Similarly, following viral infection such as COVID-19, ~40% of patients report elevated levels of fatigue. However, despite its prevalence, fatigue remains poorly understood. This is due, in large part, to an historical reliance on self-report measures to assess fatigue.

In this symposium, we show how fatigue is beginning to be understood through the use of rigorous experimental design and novel, objective metrics. Dr. Wylie will discuss how the use of behavioral metrics such as those derived from signal detection theory (SDT) and neuroimaging metrics such as brain activation and morphology can be used to better understand cognitive fatigue across the lifespan. Dr. Román will discuss how these metrics can be used to understand cognitive fatigue in a population with a neurodegenerative disease, namely MS. discuss the importance of inclusive research in bettering our understanding of cognitive fatigue in neurological groups like MS. Dr. Casamento-Moran will discuss the application of related objective metrics to the understanding of physical fatigue and show how these tools allow us to understand physical fatigue in individuals with Long COVID.

Taken together, these presentations will introduce the latest approaches to the study of cognitive and physical fatigue in health and disease. We will show how careful experimental design, allied with objective metrics of fatigue, is allowing this pervasive symptom to be understood for the first time. Central to this endeavor is the finding that specific objective metrics provide insight into specific facets of fatigue. Our discussant, Dr. DeLuca, will help to bring the panel's findings together to show how, taken as a whole, they provide the foundation for a mechanistic understanding of fatigue.

Keyword 1

fatigue

Keyword 2

neuroimaging: functional

Keyword 3

neuroimaging: structural

923 The differential effect of chronological age and brain age on cognitive fatigue: new metrics, new insights

Glenn R Wylie¹, Cristina AF Román², Jay C

Buckey Jr³, Nancy M Chiaravalloti¹, Michael J

Falvo⁴, Jamie C Ford³, Helen M Genova¹, Chris E

Niemczak³, Robert M Roth³, John DeLuca¹

¹Kessler Foundation, West Orange, NJ, USA.

²University of Southern CA, Los Angeles, CA, USA.

³Dartmouth College, Hanover, NH, USA. ⁴Department of Veterans' Affairs, East Orange, NJ, USA

941 Understanding Cognitive Fatigue in Multiple Sclerosis Through Novel Metrics, Brain Imaging, and Inclusive Research
Cristina AF Roman^{1,2}, Bing Yao³, John DeLuca², Glenn R Wylie²
¹Keck School of Medicine of USC, Los Angeles, California, USA. ²Kessler Foundation, West Orange, New Jersey, USA. ³Kessler Foundation, West Orange, New Jersey, USA

972 Understanding Physical Fatigue In Long COVID
Agostina Casamento-Moran^{1,2}, Joonhee (Leo) Lee², Aram Kim², Alba Azola², Laura A. Malone², Vikram S. Chib²
¹University of Florida, Gainesville, FL, USA. ²Johns Hopkins University, Baltimore, MD, USA

Poster 04: Cognitive Aging, MCI, and Dementia Syndromes
14:30 - 15:45 Thursday, 5th February, 2026
Location: Franklin Hall B (Level 4)
Presentation type Poster Session
This session includes a poster symposium and posters. Scroll down to view all poster presentations and assigned poster board numbers.

Poster symposia are presented as regular posters, but are grouped together to allow their presenters to have a cohesive discussion with interested viewers.

P4-04 Combined Motor and Cognitive Impairment, Rather than Isolated Gait Disturbance, Is Associated with Increased Cancer Risk
Amber P. Selie^{1,2}, A. Charlotte Menart², Sanne B. Schagen¹, M. Arfan Ikram²
¹Netherlands Cancer Institute, Amsterdam, Netherlands. ²Erasmus Medical Center, Rotterdam, Netherlands

P4-05 Older APOE4 Carriers with Deficits in Medial Temporal Cerebrovascular Reactivity Exhibit Elevated Markers of Brain Injury
Arunima Kapoor¹, Shubir Dutt², Amy Nguyen³, Aimée Gaubert³, John Paul M. Alitin³, Fatemah Shenasa¹, Allison C Engstrom¹, Xingfeng Shao⁴, Lorena Sordo⁵, Elizabeth Head⁵, Danny JJ Wang⁴, Daniel A Nation^{3,6}
¹Department of Psychological Science, University of California, Irvine, Irvine, CA, USA. ²University of California, San Francisco, Memory and Aging Center, Weill Institute for Neurosciences, Department of Neurology, San Francisco, CA, USA. ³Leonard Davis School of Gerontology, University of Southern California, Los Angeles, CA, USA. ⁴Stevens Neuroimaging and Informatics Institute, University of Southern California, Los Angeles, CA, USA. ⁵Department of Pathology and Laboratory Medicine, University of California, Irvine, Irvine, CA, USA. ⁶Keck School of Medicine, University of Southern California, Los Angeles, CA, USA

P4-06 Neuropsychiatric and Diagnostic Determinants of Self- versus Caregiver-Reported Depression in Early-Stage Dementia

Bailey L Ortiz, Aaron W Scheffler, Patrick Callahan, Suzanne Shdo, Myrthe G Rijpma, Rea Antoniou, Rayna Hirst, Lisa M Brown, Gil Rabinovici, Howard J Rosen, Maria Luisa Grono-Tempini, William W Seeley, Bruce L Miller, Katherine Possin, Joel H Kramer, Katherine P Rankin
University of California, San Francisco, San Francisco, CA, USA

P4-07 Informant reported ecological momentary assessment changes following personalized high-definition transcranial direct current stimulation in behavioral-variant frontal temporal dementia
Emma Hurston-Gates¹, Tanav Popli^{1,2}, Kayla Rinna¹, Brett Schneider³, Patrick Pruit¹, Benjamin M Hampstead^{1,4,2}, Alexandru D Iordan¹
¹Research Program on Cognition and Neuromodulation Based Interventions, Department of Psychiatry, University of Michigan, Ann Arbor, MI, USA. ²Department of Neurology, University of Michigan, Ann Arbor, MI, USA. ³VA Battle Creek Healthcare System, Battle Creek, MI, USA. ⁴Mental Health Service, VA Ann Arbor Healthcare System, Ann Arbor, MI, USA

P4-08 Sex Differences in Neuropsychiatric Symptoms in Frontotemporal Dementia
Franchesca Rolón¹, Zachary J. Kunicki², Molly Split^{1,2}, Alyssa De Vito², Masood Manoochehri^{1,2}, Edward D. Huey^{1,2}, Megan Barker², Daliah Ross^{1,2}
¹Butler Hospital, Providence, Rhode Island, USA. ²Warren Alpert Medical School of Brown University, Providence, Rhode Island, USA

P4-09 Blood pressure variability across the frontotemporal dementia spectrum
Isabel J Sible, Kaitlin B Casaletto, Lisa Kritikos, Anna M VandeBunte, Howard J Rosen, Joel H Kramer, Bruce L Miller, Virginia E Sturm
UCSF, San Francisco, CA, USA

P4-10 The Role of Biomarkers to Improve Diagnostic Clarity in an Individual With Rapid Cognitive Decline in the Context of Intact Activities of Daily Living
Jasmin E Guevara¹, Lena Etzel¹, Joel Page¹, Breton M Asken^{1,2}, John B Williamson^{1,3}
¹University of Florida, Gainesville, FL, USA. ²Florida Alzheimer's Disease Research Center, Gainesville, FL, USA. ³VA North Florida/South Georgia Veterans Health System, Gainesville, FL, USA

P4-11 Neuropsychological Profiles to Aid in Determining the Necessity for Neuroimaging Reviews: Providing Evidence for a Screener for Cerebrovascular Abnormalities
Kayla B Miller^{1,2}, Brian Fisak¹, Julie Costopoulos¹, Eric Perlman¹, Anthony LoGalbo²
¹Florida Institute of Technology, Melbourne, Florida, USA. ²Health First Memory Disorder Clinic, Melbourne, Florida, USA

P4-12 Using White Matter Abnormality Volume to Predict Performance on the Montreal Cognitive Assessment
Kayla B. Miller^{1,2}, Amanda Capriglione^{1,2},
Gene Shepherd², Anthony LoGalbo²
¹Florida Institute of Technology, Melbourne, FL, USA.
²Health First Memory Disorder Clinic, Melbourne, FL, USA

P4-13 Optimizing Statistical Power in Frontotemporal Dementia Research: A Harmonized Composite Judgment Assessment Approach
Kenric Tran^{1,2}, Connor Stephenson^{1,3}, Lauren Bennett¹
¹OCNeuroPSYCH, Irvine, CA, USA. ²Rosemead School of Psychology, La Mirada, CA, USA. ³Fuller Theological Seminary, Pasadena, CA, USA

P4-14 Age-Related Association between Migraine and Dementia Outcomes in the Veterans Health Administration
Kensei I Maeda^{1,2}, Melissa Skanderson², Richard B Lipton³, Jason Sico^{4,2}, Elizabeth K Seng^{1,2}
¹Yeshiva University, Bronx, NY, USA. ²VA Headache Centers of Excellence, New Haven, CT, USA.
³Albert Einstein College of Medicine, Bronx, NY, USA. ⁴Yale University, New Haven, CT, USA

P4-15 Evaluating Novel Measures of Empathy Loss in Behavioral Variant Frontotemporal Dementia: Validity of the Multifaceted Empathy Task and the Cognitive, Affective, and Somatic Empathy Scale
Lauren Fisher, Adrian Raine, Corey T McMillan, Lauren Massimo, Emma Rhodes
University of Pennsylvania, Philadelphia, PA, USA

P4-16 Diogenes Syndrome in a 76-Year-Old Woman with Behavioral Variant of Frontotemporal Dementia
Panagiotis Patrikas^{1,2}, Panagiotis Ioannidis², Eleni Konstantinopoulou², Mary H Kosmidis¹, Serafeim Ioannidis³
¹Department of Psychology, Aristotle University of Thessaloniki, Thessaloniki, Greece. ²2nd Department of Neurology, AHEPA University Hospital, Thessaloniki, Greece. ³Aristotle University of Thessaloniki, Thessaloniki, Greece

P4-17 Reversion of MCI diagnosis to cognitively healthy status in a three-year follow-up: Results from the HELIAD study
Panagiota Koutsimani¹, Nikolaos Scarmeas^{2,3}, Mary Yannakoulia⁴, Paraskevi Sakka⁵, Georgios Hadjigeorgiou^{6,7}, Efthimios Dardiotis⁶, Mary Helen Kosmidis¹
¹Aristotle University of Thessaloniki, Thessaloniki, Greece. ²National and Kapodistrian University of Athens Medical School, Athens, Greece. ³Columbia University, Columbia, New York, USA. ⁴Harokopio University, Athens, Greece. ⁵Athens Association of Alzheimer's Disease and Related Disorders, Marousi, Greece. ⁶University of Thessaly, Larissa, Greece. ⁷University of Cyprus, Nicosia, Cyprus

P4-18 Face Processing Impairments in

Dementia: A Systematic Review
Mélodie Leclerc^{1,2}, Vanessa Krohn³, Marie-Joëlle Beaudoin⁴, Maxime Montembeault^{3,2}
¹Université de Montréal, Montreal, Canada. ²Douglas Research Centre, Montreal, Canada. ³McGill University, Montreal, Canada. ⁴Centre for Addiction and Mental Health, Toronto, Canada

P4-19 Predictive Utility of Practice Effects on Long-term Cognitive Outcomes in People With Stroke
Meng-Yang Ho^{1,2}, Kuo-Lun Huang^{3,1}, Ting-Yu Chang^{2,1}, Tsong-Hai Lee^{2,1}
¹Chang Gung University, Taoyuan, Taiwan. ²Linkou Chang Gung Memorial Hospital, Taoyuan, Taiwan. ³Linkou Chang Gung Memorial Hospital, Taoyuan, Taiwan

P4-20 Differential Effects of Processing Speed on Executive Functioning in Mild Cognitive Impairment and Dementia due to Microvascular Disease
Samantha G Smith, Joel E Kamper, Erin K Bailey, Joseph J Boscarino
James A. Haley Veterans' Hospital, Tampa, FL, USA

P4-21 Neuropsychological Phenotypes of Normal Pressure Hydrocephalus: Associations with Brain Volumetrics and Gait Disturbance
Tiffany Grezmak, William Goette, Vishal J Thakkar, Robert Ruchinskas, Laura L Lacritz, C. Munro Cullum, Padraig O'Suilleabhain, Jon White, Jeff Schaffert
UT Southwestern Medical Center, Dallas, Texas, USA

P4-22 Visual Cognitive Patterns in Mild Cognitive Impairment Stable and Conversion Cases
Abril J. Baez, Poojan Shah, Valerie Carr, Christina Tzeng, Erin Woodhead
San José State University, San Jose, California, USA

P4-23 Associations Between Chronic Stress, Total Hippocampal, and Subfield Volumes
Aija G Mines¹, Maria Misiura¹, Vonetta M Dotson^{1,2,3}
¹Georgia State University, Atlanta, GA, USA. ²Brigham & Women's Hospital, Boston, MA, USA. ³Harvard Medical School, Boston, MA, USA

P4-24 Serial Position Effects as a Marker of Hippocampal Volume in a Racially and Ethnically Diverse Older Adults
Alex L. Badillo Cabrera¹, Daniel Weitzner², Nazareth Ortega¹, Matthew Calamia¹
¹Louisiana State University, Baton Rouge, Louisiana, USA. ²Madonna Ptak Memory Disorders & Neuroscience Clinic, Clearwater, Florida, USA

P4-25 Reduced Conversational Skill and Acoustic Energy Suggested as Markers of Mild Cognitive Impairment
Guadalupe Cordova¹, Priyanka Koppolu², Vaidehi Ramanathan², Michelle Cohn², Sarah Tomaszewski Farias³, Alyssa Weakley³

1University of California, Berkeley, Berkeley, CA, USA.
2University of California, Davis, Davis, CA, USA.
3University of California, Davis, Sacramento, CA, USA

P4-26 Sex Differences in the Association
between Sleep Efficiency and Cognition in
Individuals with Mild Cognitive Impairment
Bari Pinkett, Isabella Faasumalie,
Nicholas Bienko, Cynthia A. Munro
Johns Hopkins School of Medicine,
Baltimore, Maryland, USA

P4-27 The Montreal Cognitive Assessment Memory
Subtest: What Does a Low Score Really Mean?
Benjamin Fusco-Gessick¹, Caroline Altaras^{2,3},
Se Yun Kim^{2,4}, Margaret O'Connor²
¹Mass General Brigham, Boston, MA, USA. ²Brigham
and Women's Hospital, Boston, MA, USA. ³Boston
Medical Center, Boston, MA, USA. ⁴Dartmouth-
Hitchcock Medical Center, Lebanon, NH, USA

P4-28 Functional Decline in Mild Cognitive
Impairment: A Meta-Analysis of Activities
of Daily Living in U.S. Older Adults
Douha Louimina¹, Jordan Schindler², Jill Razani²
¹Pepperdine University, LA, CA, United Kingdom. ²California
State University, Northridge, Northridge, CA, USA

P4-29 Cardiovascular Risk and Executive Function:
The Role of Cardiovascular Proteins
Emily Coleman¹, Nicole Evangelista^{2,3}, Jovian
Lam^{2,3}, Maya Sakharov¹, J. Kaci Fairchild^{2,3}
¹Palo Alto University, Palo Alto, CA, USA. ²Sierra
Pacific Mental Illness Research Education and Clinical
Center (MIRECC), Veterans Affairs Palo Alto Health
Care System, Palo Alto, CA, USA. ³Department
of Psychiatry & Behavioral Sciences, Stanford
University School of Medicine, Stanford, CA, USA

P4-30 Mild Cognitive Impairment is Associated
with Lower Income in Older Adults
Emma Oyen, Jenna Axelrod, Daisy Noriega-
Makarsky, Cassidy Molinare, Jordan T.
Williams, Paige Kim, S. Duke Han
University of Southern California, Los Angeles, CA, USA

P4-31 Bidirectional Prognostic Predictions of Conversion
and Reversion in Amnesic Mild Cognitive Impairment
Esther Zhiwei Zheng¹, Yue Gu¹, Rachel R. Jin¹, Tatia M.C.
Lee¹, Alzheimer's Disease Neuroimaging Initiative (ADNI)²
¹The University of Hong Kong, Hong Kong, Hong Kong.
²National Institute on Aging, Bethesda, Maryland, USA

P4-32 Midlife versus Late-Life Depressive Symptoms and
Domain-Specific Cognitive Decline: Midlife Associated with
Baseline Level and Late-Life Associated with Decline
Fareshte Erani^{1,2}, Caitlin M Terao³, Yang An⁴,

Keenan Walker⁴, Susan Resnick⁴, Katherine
J Bangen^{1,2}, Kelsey R Thomas^{1,2}
¹University of California, San Diego, La Jolla, CA,
USA. ²VA San Diego Healthcare System, San Diego,
CA, USA. ³San Diego State University/University
of California San Diego, San Diego, CA, USA.
⁴National Institute on Aging, Baltimore, MD, USA

P4-33 Interactive Effects of White Matter
Hyperintensities, Race, and Education-Based
Cognitive Reserve on Memory Performance
Haley Davis^{1,2}, Gabrielle Celaya², Jory
Paredes¹, Bella Vigna², Kathleen Tingus¹
¹Semel Institute for Neuroscience and Human Behavior,
University of California, Los Angeles, Los Angeles,
California, USA. ²Department of Psychology, Loma
Linda University, Loma Linda, California, USA

P4-34 Comparing the Brief Dementia Screening
Indicator to Self-Reported Memory Concerns
in Detecting Cognitive Impairment
Hanna K. Hausman, Samantha M. Roop,
Jeremy J. Davis, Robin C. Hilsabeck
University of Texas Health Science Center at
San Antonio, San Antonio, TX, USA

P4-35 Sex Differences in the Impact of APOE e4 Carrier
Status and White Matter Hyperintensities on Cognition
Hannah E. Dewhurst¹, Nirupama Natarajan¹,
Marissa A. Gogniat¹, Oscar L. Lopez², Ann
D. Cohen¹, Minjie Wu¹, Beth E. Snitz¹
¹University of Pittsburgh School of Medicine, Pittsburgh,
PA, USA. ²University of Pittsburgh, Pittsburgh, PA, USA

P4-36 The Association between the Acute
Cortisol Stress Response and Cognition in Men
and Women with Mild Cognitive Impairment
Isabella Faasumalie, Bari Pinkett,
Nicholas Bienko, Cynthia A. Munro
Johns Hopkins School of Medicine, Baltimore, MD, USA

P4-37 Novel Neuropsychological Connected-
Speech Ratings for Detection of Mild Cognitive
Impairment and Alzheimer's Disease Biomarkers
Jacob A. Fiala¹, Albert Montillo², Ramcharan
Chandrashekar², Brandon Henley², Joey
Yang², Ihab Hajjar², Felicia C. Goldstein¹
¹Emory University School of Medicine, Atlanta, Georgia,
USA. ²University of Texas Southwestern, Dallas, Texas, USA

P4-38 Influences Item-Level Responses on Verbal
Fluency Tasks in Preclinical Alzheimer's Disease
Ja'nelle Kellam
Medical University of South Carolina, Charleston,
SC, USA. Duke University, Durham, NC, USA

P4-39 Combining Semantic Interference Measures and

Plasma p-tau217 to Detect Prodromal Alzheimer's Disease
Jaylene Sosa, Aleksandra Nedza, Tan A Abascal, Rosie E Curiel-Cid, David Loewenstein, Alexandra Ortega
University of Miami Miller School of Medicine, Miami, FL, USA

P4-40 Theta and Alpha EEG Dynamics Reveal Altered Semantic Processing in Aging and MCI
Jessica Ip, William C. Heindel, Elena K. Festa
Brown University, Providence, Rhode Island, USA

P4-41 Memory Profile and Neurocognitive Diagnosis Status in Patients with Probable and Possible Cerebral Amyloid Angiopathy
Jessica L Saurman¹, Kayci L Vickers¹, Taylor Parks², Madhav Sambhu¹, Zina Alsheklee¹, Ghada Mohamed¹, Debra Blanke², Hannah Christopher², Laura Henriquez², Danielle Starnes², Samir Belagaje¹, Nino Kvantaliani¹, David W Loring¹, Fadi Nahab¹
¹Emory University School of Medicine, Atlanta, GA, USA. ²Emory Healthcare, Atlanta, GA, USA

P4-42 The Role of Strategy Use During Visual Fluency as a Predictor of Compensatory Aid Usage in Healthy Aging and Mild Cognitive Impairment
Jordan Kozuki¹, Lily Wilkin¹, Prabhjot Gill¹, Harmanpreet Kaur¹, Harleen Dhillon¹, Chris Miller¹, Matthew J Wright^{1,2}, Maureen Schmitter-Edgecombe³, Ellen Wool^{1,2}
¹California State University, Fresno, Fresno, CA, USA. ²University of California, San Francisco, Fresno, CA, USA. ³Washington State University, Pullman, WA, USA

P4-43 Mapping Substance Use in Older Adults: Prevalence, Motives, and Risk Signals
Julia Pleskaczynska, Jon Reader, T.J. Rogers, Bernardo Flores, Kate Hanson, Ari Bhaumik, Benjamin M. Hampstead, Bruno Giordani, Kyler Mulhauser
University of Michigan, Ann Arbor, Michigan, USA

P4-44 Latent Classes of Neuropsychiatric Symptoms by Gender Predicting Conversion and Reversion in Older Adults With Mild Cognitive Impairment
Kendra L Pizzonia^{1,2}, Julie A Suhr¹
¹Ohio University, Athens, OH, USA. ²Warren Alpert Medical School of Brown University, Providence, RI, USA

P4-45 Midlife Psychological and Personality Characteristics are Associated with Risk of Dementia in Late Life
Kevin Liu¹, Keith Widaman², Dan M Mungas¹, Joe Roscoe³, Brandon Gavett¹, Evan M Fletcher¹, Paola Gilsanz³, Rachel A Whitmer¹, Aliza P Wingo⁴, Sarah T Farias¹
¹UC Davis, Department of Neurology, Sacramento, California, USA. ²UC Riverside, Riverside, California, USA. ³Kaiser Permanente, Division of Research, Walnut Creek, California, USA. ⁴UC Davis, Department of Psychiatry & Behavioral Sciences, Sacramento, California, USA

P4-46 Cannabis Use in Older Adults: Patterns, Motives, and Effects
Bernardo Flores, Julia Pleskaczynska, Jonathan Reader, T.J. Rogers, Salma Habash, Alyssa Tiscareno, Arijit Bhaumik, Mark Ilgen, Benjamin Hampstead, Bruno Giordani, Kyler Mulhauser
University of Michigan, Ann Arbor, MI, USA

P4-47 Montreal Cognitive Assessment as a Predictor of Pareidolia Responses in Cognitive Impairment
Laureen Gathinji, Amy Werry
UT Health San Antonio, San Antonio, TX, USA

P4-48 Automated Analysis of Word Choice During the PBJ Spontaneous Speech Task is Sensitive to Neuropsychological Test Performance
Lindsay Scott¹, Erin Burke², John Gunstad², Philip Hamrick²
¹Cleveland Clinic Foundation, Cleveland, OH, USA. ²Kent State University, Kent, OH, USA

P4-49 Exploration of Spatial Navigation in Mild Cognitive Impairment Through Functional Near-Infrared Spectroscopy
Loryn Davidson¹, Victor DiRita¹, Patricia A. Reuter-Lorenz², Benjamin M. Hampstead^{1,3,4}, Alexandru D. Iordan^{1,3}
¹Research Program on Cognition and Neuromodulation Based Interventions, Departments of Psychiatry and Neurology, University of Michigan, Ann Arbor, MI, USA. ²Department of Psychology, University of Michigan, Ann Arbor, MI, USA. ³Michigan Alzheimer's Disease Research Center, University of Michigan, Ann Arbor, MI, USA. ⁴Mental Health Service, VA Ann Arbor Healthcare System, Ann Arbor, MI, USA

P4-50 Relationship Between Lifetime Estrogen Exposure and Executive Functioning in Pre, Peri, and Postmenopausal Women
Luz A De Leon, A. Zarina Kraal, Adam Brickman, Jennifer J Manly, Justina F Avila-Rieger
Columbia University Irving Medical Center, New York, NY, USA

P4-51 Exercise-related Changes in Calcium Predict Cognitive Flexibility in Amnesic Mild Cognitive Impairment
Mary Hong-Hoang T. Nguyen¹, Natalie Totah¹, J. Kaci Fairchild^{2,3}
¹Palo Alto University, Palo Alto, CA, USA. ²Sierra Pacific MIRECC at VA Palo Alto Healthcare System, Palo Alto, CA, USA. ³Department of Psychiatry & Behavioral Sciences, Stanford University School of Medicine, Stanford, CA, USA

P4-52 Health Belief Model Does Not Predict Older Adults' Decision to Pursue Cognitive Screening
Matthew L Cohen, Aaron J Boulton
University of Delaware, Newark, DE, USA

P4-53 Exercise Improves Processing Speed in Older Veterans with aMCI: What is the Role of Glucose?

Maya Sakharov¹, Nicole D. Evangelista^{2,3}, Lizeth Sotelo-Sotelo¹, Emily Coleman¹, J. Kaci Fairchild^{2,3}
¹Palo Alto University, Palo Alto, CA, USA. ²Sierra Pacific Mental Illness Research Education and Clinical Center (MIRECC), Veteran's Affairs Palo Alto Health Care System, Palo Alto, CA, USA. ³Department of Psychiatry & Behavioral Sciences, Stanford University School of Medicine, Palo Alto, CA, USA

P4-54 Mild Cognitive Impairment Moderates the Association Between Frailty and Financial Exploitation Vulnerability in Older Adults
 Melanie Leguizamón, Jenna Axelrod, Daisy Noriega-Makarsky, Cassidy Molinare, Emma Oyen, Jordan T. Williams, Paige Kim, Belinda Y. Zhang, S. Duke Han
 University of Southern California, Los Angeles, CA, USA

P4-55 Investigating Strategic Learning: Semantic Clustering as a Function of Education, Sex, and Cognitive Status
 Michael LaSorsa^{1,2}, Amanda Feigin^{3,2}, Lauren Bennett²
¹The Chicago School, Anaheim, CA, USA. ²Pickup Family Neuroscience Institute at Hoag Memorial Hospital Presbyterian, Newport Beach, CA, USA. ³Loma Linda University, Loma Linda, CA, USA

P4-56 Assessing Interest and Preferences in the SOCIAL Clinic: a Group-based Behavioral Intervention for Individuals with Mild Cognitive Impairment and Their Care Partners
 Molly Split^{1,2}, Shelby Bawden², Zachary Kunicki^{1,2}, Megan Barker^{1,2}, Sarah Prieto^{1,2}, Daliah Ross^{1,2}, Alyssa N. De Vito^{1,2}, Laura E. Korthauer¹, Jennifer Davis¹, Edward Huey^{1,2}, Louisa Thompson^{1,2}
¹Brown University, Providence, RI, USA. ²Memory and Aging Program, Butler Hospital, Providence, RI, USA

P4-57 Preserved Value-Based Learning Despite Reduced Recall in Mild Cognitive Impairment
 Molly B Tassoni, Marina Kaplan, Zidata Tony-Ogbata, Stephanie M Simone, Sophia Holmqvist, Kimberly Halberstadter, Moira McKniff, Tania Giovannetti
 Temple University, Philadelphia, PA, USA

P4-58 Differential Effects of Motivation and Novelty on Memory in Aging
 Molly B Tassoni, Marina Kaplan, Zidata Tony-Ogbata, Shrey Patel, David V Smith, Vishnu P Murty, Tania Giovannetti
 Temple University, Philadelphia, PA, USA

P4-59 Exploring the Role of Ghrelin and Leptin in the Relationship Between MIND Diet Adherence and Cognitive Performance: A Preliminary Pilot Study
 Olivia G. Schultz, Sam Collins, Fayeza S. Ahmed
 University of Maine, Orono, Maine, USA

P4-60 Exploring the Cognitive and Neuropsychiatric Correlates of Subjective Cognitive Decline in People with Parkinson's Disease Before Deep Brain Stimulation

Ondrej Bezdicek¹, Martina Mana¹, Tereza Uhrová¹, Anja Ophey², Elke Kalbe², Robert Jech¹
¹Charles University, Prague, Prague, Czech Republic. ²University of Cologne, Cologne, North Rhine-Westphalia, Germany

P4-61 Frontal and Temporal Regions of Interest Involved in Verbal Fluency Performances Across Tasks and Diagnostic Groups
 Priyanka Koppolu, Pauline Maillard, Andrew T. Weakley, Audrey Fan, Michelle Cohn, Sarah Tomaszewski Farias, Alyssa M. Weakley
 University of California, Davis, Davis, CA, USA

P4-62 The Role of Parental Separation and Childhood Neglect on Working Memory Performance in Older Adults
 Quincey M Pawlikowski^{1,2}, Concetta Anemone^{3,2}, Prabsimarn Kaur^{4,2}, Alfonsina Orosito², Nevin A Orleans^{5,2}, Kyle Jennette⁶
¹The University of Tennessee, Knoxville, TN, USA. ²University of Illinois Chicago, Chicago, IL, USA. ³Dominican University; University of Illinois Chicago, River Forest, IL, USA. ⁴Dominican University, River Forest, IL, USA. ⁵Pennsylvania State University, State College, PA, USA. ⁶University of Illinois-Chicago, Chicago, IL, USA

P4-63 Understanding Relations Between Visual and Verbal Episodic Memory and Everyday Function in Older Adults
 Riya Chaturvedi¹, Marina Kaplan¹, Stephanie Simone¹, Sophia Holmqvist¹, Molly Tassoni¹, Katherine Hackett², Rachel Mis³, Kimberly Halberstadter¹, Melissa Rosahl¹, Giuliana Vallecorsa¹, Tania Giovannetti¹
¹Temple University, Philadelphia, Pennsylvania, USA. ²Icahn School of Medicine at Mt Sinai, New York, New York, USA. ³Dell Medical School at the University of Texas Austin, Austin, Texas, USA

P4-64 Comparing Needs in MCI-Care Partner Dyads: A Role-Specific Needs Assessment to Inform Group-Based Behavioral Programs
 Molly Split^{1,2}, Shelby Bawden², Zachary Kunicki^{1,2}, Megan S. Barker^{1,2}, Sarah Prieto^{1,2}, Daliah Ross^{1,2}, Alyssa N. De Vito^{1,2}, Laura E. Korthauer¹, Jennifer Davis¹, Edward Huey^{1,2}, Louisa Thompson^{1,2}
¹Brown University, Providence, RI, USA. ²Memory and Aging Program, Butler Hospital, Providence, RI, USA

P4-65 Comparing Vasomotor Reactivity From Breath-Hold Challenges in College-Aged and Middle-Aged Adults Using Transcranial Doppler.
 Shengxiang Gao, Madeline Buzzell, Tess Bookheimer, Sam Collins, Lindsey G. Lagerstrom, Jennifer L. Thompson, Fayeza S. Ahmed
 University of Maine, Orono, Maine, USA

P4-66 A Smartphone-Based Assessment of Subjective and Objective Cognitive Deficits in Self-Reported Sleep Problems

Simran Subramaniam¹, Sreya Dhanam¹, Mark Sanderson-Cimino¹, Jack C. Taylor¹, Emily W. Paolillo¹, Ray Fregly¹, Winnie Kwang², Amy Wise¹, Hilary W. Heuer¹, Leah K. Forsberg³, Joel H. Kramer¹, Tanis J. Ferman⁴, Howard J. Rosen¹, Michael W. Weiner^{1,2,5,6}, Rachel L. Nosheny^{5,6}, Adam L. Boxer¹, Bradley F. Boeve³, Adam M. Staffaroni¹
¹Department of Neurology, Memory and Aging Center, Weill Institute for Neurosciences, University of California, San Francisco, CA, USA. ²Department of Radiology and Biomedical Imaging, University of California, San Francisco, CA, USA. ³Department of Neurology, Mayo Clinic, Rochester, MN, USA. ⁴Department of Psychiatry and Psychology, Mayo Clinic, Jacksonville, FL, USA. ⁵VA Advanced Research Center, San Francisco, CA, USA. ⁶Department of Psychiatry and Behavioral Sciences, University of California, San Francisco, CA, USA

P4-67 Neuropsychiatric Symptoms of Depression and Corpus Callosum Integrity Across Cognitive Diagnostic Stages
 Sinae Park¹, Erica Howard¹, Alyssa A. Miller¹, Jasmeet P. Hayes^{1,2}
¹The Ohio State University, Columbus, Ohio, USA. ²Chronic Brain Injury Initiative, Columbus, Ohio, USA

P4-68 Integrating Wearable Digital Health Technology into Non-Pharmacological Clinical Trials for Mild Cognitive Impairment
 Stephanie Aghamoosa, Kaitlin Cox, Andrew Chen, Paul J Nietert, Chris Gregory, Andreana Benitez
 Medical University of South Carolina, Charleston, SC, USA

P4-69 Sprinting Over Time: Sensitivity of the MINT Sprint 2.0 to Preclinical Alzheimer's Disease
 Tamar H Gollan¹, Jessie Quinn², Alena Stasenکو³, Douglas Galasko², David P. Salmon³
¹University of California, San Diego, La Jolla, CA, USA. ²University of California, San Diego, La Jolla, ca, USA. ³University of California, San Diego, La Jolla, USA

P4-70 Structural Brain Correlates of Prospective Memory Deficit in Mild Cognitive Impairment due to Alzheimer's Disease
 Yu-Hsuan Chen¹, Min-Chien Tu², Li-Wei Kuo^{3,4}, Sheng-Min Huang⁵, Yen-Hsuan Hsu^{1,6}
¹Department of Psychology, National Chung Cheng University, Chiayi County, Taiwan. ²Department of Neurology, China Medical University Hospital, Taichung, Taiwan. ³Institute of Biomedical Engineering and Nanomedicine, National Health Research Institutes, Miaoli, Taiwan. ⁴Institute of Medical Device and Imaging, National Taiwan University College of Medicine, Taipei, Taiwan. ⁵Department of Pharmacology, National Cheng Kung University, Tainan, Taiwan. ⁶Institute of Aging, Work and Wellbeing, National Chung Cheng University, Chiayi County, Taiwan

P4-71 Clinician-Observed Test Anxiety and Its Impact on Neuropsychological Performance in Older Adults
 Andrea St-Amant¹, Maxime Montembeault², Marie-Anne St-Georges¹, Anna Marier¹
¹University of Montreal, Montreal, Quebec, Canada. ²Douglas, Montreal, Quebec, Canada

P4-72 Montreal Cognitive Assessment and Mini-Mental Status Examination Norms for the Oldest Old
 Anna Claire E Franklin, Cierra Daniels, Hannah Schweitzer, Whitney D Allen, Joshua Finney, Jonah Newsom, Jennifer S Kleiner, Jennifer L Gess, Hilary Clark, Lee Isaac
 University of Arkansas for Medical Sciences, Little Rock, AR, USA

P4-73 Age-Moderating Effects of Stroke and Depression on Cognitive Decline
 Au Myat (Glenda) May¹, Ayala Tzadikario¹, Yatong (Hattie) Ji¹, Aaseem K. Sidhu¹, Julian Ortega¹, Hannah S. Leung², Rowena G. Gomez¹
¹Palo Alto University, Palo Alto, CA, USA. ²San Jose State University, San Jose, CA, USA

P4-74 The Role of Education and Sex in Predicting Visuospatial and Verbal Reasoning in Older Adulthood
 Bella Vigna^{1,2}, Haley Davis¹, Jacqlynn Patino^{3,2}, Lauren Bennett²
¹Loma Linda University, School of Behavioral Health, Loma Linda, CA, USA. ²Hoag Memorial Presbyterian Hospital Pickup Family Neurosciences Institute, Irvine, CA, USA. ³Azusa Pacific University, Azusa, CA, USA

P4-76 Sociocultural Factors Moderate The Relation Between Aging Beliefs and Subjective Cognitive Concerns
 Bram R Diamond, Alyssa N De Vito, Athene K.W. Lee
 Warren Alpert Medical School of Brown University, Providence, Rhode Island, USA

P4-77 Exploring the impact of sex differences on the relationship between subjective cognitive complaints and objective neuropsychological performance in older adults
 Concetta C Anemone^{1,2}, Prabsimarn Kaur^{1,2}, Alfonsina Orosito², Quincey Pawlikowski^{3,2}, Nevin A Orleans^{4,2}, Kyle Jennette²
¹Dominican University, River Forest, IL, USA. ²University of Illinois Chicago, Chicago, IL, USA. ³University of Tennessee, Knoxville, TN, USA. ⁴The Pennsylvania State University, State College, PA, USA

P4-78 Immediate and Delayed Recall Trajectories across Marital Transitions in Matched Samples
 Emma G. Churchill, Madison Maynard, Daniel Paulson, Robert D. Dvorak
 University of Central Florida, Orlando, FL, USA

P4-79 Psychometric Properties of a Novel Educational Developmental History Screening Tool

for Capturing Early Life Learning Profiles Across Healthy Aging and Dementia Populations
Ezra Mauer^{1,2}, Isabel Elaine Allen³, Rian Bogley^{1,2}, Ryan Newbury^{1,2}, Valentina Diaz², Kaitlin Casaletto², Maxime Montembeault⁴, Katherine Rankin², Renaud La Joie², Jacob Zientz², William Jagust⁵, Joel Kramer², Bruce L. Miller², Maria Luisa Gorno-Tempini^{1,2}, Zachary A. Miller^{1,2}
1Dyslexia Center, Departments of Neurology and Psychiatry, Weill Institute for Neurosciences, University of California, San Francisco, San Francisco, CA, USA. 2Memory and Aging Center, Department of Neurology, Weill Institute for Neurosciences, University of California, San Francisco, San Francisco, CA, USA. 3Department of Biostatistics, University of California, San Francisco, San Francisco, CA, USA. 4Douglas Research Centre, Department of Psychiatry, McGill University, Montréal, QC, Canada. 5Department of Neuroscience, University of California, Berkeley, Berkeley, CA, USA

P4-80 Linking Review to Replication: How Midlife Vascular Risk Factors Shape Cognitive Aging
Gabriell S Champion¹, Vonetta M Dotson^{1,2,3}
1Department of Psychology, Georgia State University, Atlanta, GA, USA. 2Department of Neurology, Brigham & Women's Hospital, Boston, MA, USA. 3Department of Neurology, Harvard University, Boston, MA, USA

P4-81 Improving Tracking of Neuropsychiatric Symptoms Overtime with the Neuropsychiatric Inventory Questionnaire: Development of Reliable Change Indices
George W Kent¹, John-Christopher A. Finley², Jason R. Soble³, David A. González⁴
1Wheaton College, Wheaton, Illinois, USA. 2Northwestern University Feinberg School of Medicine, Chicago, Illinois, USA. 3University of Illinois at Chicago Neuropsychiatric Institute, Chicago, Illinois, USA. 4RUSH Parkinson's Disease and Movement Disorders Clinic, Chicago, Illinois, USA

P4-82 Mobility and Cognition in Aging: Gait as a Marker of Executive Function Among Older Adults
Grace Amadon¹, James A. Onate², Jasmeet P. Hayes^{1,3}, William J. Kraemer⁴, Anne D. Kloos⁵, Deb A. Kegelmeyer⁵, Scott M. Hayes^{1,3}
1Department of Psychology, The Ohio State University, Columbus, OH, USA. 2Department of Sports Medicine, The Ohio State University, Columbus, OH, USA. 3Chronic Brain Injury Program, The Ohio State University, Columbus, OH, USA. 4Department of Human Sciences, The Ohio State University, Columbus, OH, USA. 5Division of Physical Therapy, The Ohio State University, Columbus, OH, USA

P4-83 Neural Mechanisms of Fairness and Financial Exploitation Risk Across the Adult Lifespan
Jacob M Stanley¹, Melanie Kos¹, Daniel Sazhin², Chelsea Helion¹, Tania Giovannetti¹, Dominic Fareri³, David V Smith¹
1Temple University, Philadelphia, PA, USA. 2Air Force Research Laboratory, Dayton, OH, USA.

3Adelphia University, New York, NY, USA

P4-84 Associations of Sex and Cognition with Lifetime Stressor Exposure in Older Adults from the Boston Latino Aging Study
Jairo E Martinez^{1,2}, Lusiana Martinez^{1,2}, Randy Medrano¹, Isabel Solis¹, Jorge Alcina¹, George E Silva², Catarina Tristão-Pereira^{1,2}, Averi Giudicessi^{1,2}, Marta Gonzalez Catalan¹, Daniel Saldana¹, George M Slavich³, Alice Cronin-Golomb², Yakeel T Quiroz^{1,2}
1Massachusetts General Hospital/Harvard Medical School, Boston, MA, USA. 2Boston University, Boston, MA, USA. 3University of California, Los Angeles, Los Angeles, CA, USA

P4-85 Spousal Cohabitation Moderates the Relationship Between Executive Functioning and Successful Completion of Instrumental Activities of Daily Living
Kaela R Carlin, Allie R Geiger, Libby A DesRuisseaux, Michelle M Gereau Mora, Yana Suchy
University Of Utah, Salt Lake City, Utah, USA

P4-86 Divergent Postoperative Memory Trajectories in Older Adults: The Role of Physical and Socioemotional Factors
Kara Eversole, Jared Tanner, Franchesca Arias, Cynthia Garvan, Faith Kimmert, Patrick Tighe, Catherine Price
University of Florida, Gainesville, FL, USA

P4-87 Investigating Memory Profiles Across Serial Positions in Cognitive Superagers
Kyle M Thatcher¹, Kyoungun Lee¹, Vonetta M Dotson^{1,2,3,4}, Stacy L Andersen⁵
1Department of Psychology, Georgia State University, Atlanta, Georgia, USA. 2Department of Neurology, Brigham & Women's Hospital, Boston, Massachusetts, USA. 3Department of Neurology, Harvard Medical School, Boston, Massachusetts, USA. 4Gerontology Institute, Georgia State University, Atlanta, Georgia, USA. 5Section of Geriatrics, Department of Medicine, Boston University School of Medicine, Boston, Massachusetts, USA

P4-88 Associations Between Objectively Measured Lifestyle Profiles and Neuroimaging Markers in Older Adults without Dementia
Laura Fenton, Rowan Saloner, Claire J. Cadwallader, Coty Chen, Valentina Diaz, Carina Lo, Lana Callies, Anna M. VandeBunte, Jessica Bruyton, Julia Borger, Sophia Licata, Molly Olzinski, Albert Pham, Joel H. Kramer, Emily W. Paolillo, Kaitlin B. Casaletto
Memory and Aging Center, Department of Neurology, Weill Institute for Neurosciences, University of California, San Francisco, San Francisco, CA, USA

P4-89 Social Support is Associated with Lower Recent Stress Severity in Community-Dwelling Older Latino Adults: Findings from the Boston Latino Aging Study (BLAST)
Lusiana Martinez^{1,2}, Jairo E. Martinez^{1,2}, Nadeshka Ramirez-Perez^{1,2}, Randy Medrano¹, George E. Silva¹,

Isabela Gonzalez^{1,2}, Catarina Tristao-Pereira^{1,2}, Isabel Solis¹, Jorge Alcina¹, George M. Slavich³, Daniel G. Saldana¹, Marta Gonzalez-Catalan¹, Liliana Ramirez-Gomez⁴, Yakeel T. Quiroz^{1,2,4}
¹Department of Psychiatry, Massachusetts General Hospital, Harvard Medical School, Boston, MA, USA. ²Department of Psychological and Brain Sciences, Boston University, Boston, MA, USA. ³Department of Psychiatry and Biobehavioral Sciences, University of California, Los Angeles, CA, USA. ⁴Department of Neurology, Massachusetts General Hospital, Harvard Medical School, Boston, MA, USA

P4-90 Perceived marital closeness, widowhood, and memory performance in later life
 Madison Maynard, Emma G. Churchill, Daniel Paulson
 University of Central Florida, Orlando, FL, USA

P4-91 Learning Through Feedback in Older and Younger Adults
 Maryia Strotsava¹, Ekaterina Dobryakova¹, Simone Schwizer Ashkenazi², Eli Vakil²
¹Kessler Foundation, East Hanover, NJ, USA. ²Bar Ilan University, Ramat Gan, Israel

P4-92 Stress, Depression, and Cognitive Functioning Across Time: From Mediator to Moderator
 Michael J Persin, Jeanette M Bennett
 University of North Carolina at Charlotte, Charlotte, NC, USA

P4-93 Concussion History and Later-Life Cognitive Outcomes in Former High School Athletes
 Michaela Broadnax^{1,2}, Ainsley Adair², Julia Leskow^{1,2}, Philip Veliz^{3,2}, Katharine Seagly^{4,2}, James T Eckner^{4,2}, Eleanna Varangis^{1,2}
¹University of Michigan School of Kinesiology, Ann Arbor, MI, USA. ²University of Michigan Concussion Center, Ann Arbor, MI, USA. ³University of Michigan School of Nursing, Ann Arbor, MI, USA. ⁴Michigan Medicine Physical Medicine and Rehabilitation, Ann Arbor, MI, USA

P4-94 THE ASSEMBLY OF COGNITION: VISUAL WORKING MEMORY AND EXECUTIVE FUNCTIONS IN BRAZILIAN ELDERLY ADULTS
 Fabiana Lopes de Paula¹, Juliana Oliveira Guerra², Amanda V.A. Dias², Stefan Van der Stigchel³, Neander Abreu²
¹Universidade Federal do Recôncavo da Bahia, Santo Antonio de Jesus, BA, Brazil. ²Universidade Federal da Bahia, Salvador, BA, Brazil. ³Utrecht University, Utrecht, Netherlands

P4-95 The Map and the Territory: Topological Characterization of Cognitive Networks and De-differentiation Processes
 Nicolás Corvalán¹, Florentina Morello-García², Lucía Crivelli²
¹Fleni, Buenos Aires, Argentina. ²INEU-FLENI, Buenos Aires, Argentina

P4-96 Accelerated memory decline among older adults with TBI
 Nicole Saltiel, Erica Howard, Jena Moody, Jasmeet P Hayes
 The Ohio State University, Columbus, Ohio, USA

P4-97 The Impact of Resource Disparity on Cardiovascular Disease Risk Factors and Neuropsychological Performance in Older Adults
 Prabsimarn Kaur^{1,2}, Concetta Anemone^{1,2}, Alfonsina Orosito², Quincey Pawlikowski^{3,2}, Nevin A. Orleans⁴, Kyle Jennette²
¹Dominican University, Chicago, IL, USA. ²University of Illinois of Chicago, Chicago, IL, USA. ³University of Tennessee, Knoxville, TN, USA. ⁴Pennsylvania State University, University Park, PA, USA

P4-98 Sex-Based Differences in Network-Level Dedifferentiation in Aging
 Quinn K Meyerson, Xiangrui Li, Madhura Phansikar, Ruchika S Prakash
 The Ohio State University, Columbus, Ohio, USA

P4-99 Self-Fluency and Cognitive Status in Older Adults
 Rafael Otero Cabrera, Yuliia Odnosheva, Mary-Ellen Meadows, Ysabeau Bernard-Willis, Margaret O'Connor
 Mass General Brigham, Boston, MA, USA

P4-100 Associations Between Verbal Memory Profiles and MRI Imaging Outcomes in Older Adults Without Dementia
 Ranjani P Shankar¹, Valentina Diaz¹, Lana Callies¹, Carina Lo¹, Sophia Licata¹, Coty Chen¹, Jessica Buxton¹, Albert Pham¹, Laura Fenton^{1,2}, Claire Cadwallader¹, Molly Olzinski¹, Yann Cobigo¹, Adam Staffaroni¹, Rowan Saloner¹, Gil D Rabinovici¹, Kaitlin B Casaletto¹, Joel H Kramer¹, Emily W Paolillo¹
¹UCSF, San Francisco, CA, USA. ²UCSD, San Diego, CA, USA

P4-101 Evaluating the Relationship between Subjective Cognitive Decline, Long-Term Potentiation-Like Cortical Neuroplasticity, and Neurotransmitter-Related Activity using Transcranial Magnetic Stimulation in Cognitively Intact Older Adults
 Risto W Crouse^{1,2}, Quentin Devignes^{1,2}, Charlene Garcia^{1,2}, Kenneth Petscavage^{1,2,3}, Michael Vesia^{1,2}, Alexandru D Iordan^{1,2}, Benjamin M Hampstead^{1,2,3}
¹University of Michigan, Ann Arbor, Michigan, USA. ²Michigan Alzheimer's Disease Research Center, Ann Arbor, Michigan, USA. ³VA Ann Arbor Healthcare System, Ann Arbor, Michigan, USA

P4-102 Impact of Traumatic Brain Injury and Incarceration on Later Life Cognitive Functioning
 Sarah Langdon¹, Danna Torres¹, Lizeth Sotelo¹, J. Kaci Fairchild^{2,3}
¹Palo Alto University, Palo Alto, CA, USA. ²Veterans Affairs Palo Alto Health Care System, Palo Alto, CA, USA. ³Stanford

University School of Medicine, Stanford, CA, USA

P4-103 Control + Fear: Exploring the Influence of Computer Anxiety on Tests of Everyday Function Among Older Adults
Shrey A Patel, Kimberly Halberstadter,
Moira McKniff, Tania Giovanetti
Temple Cognitive Neuropsychology Laboratory,
Philadelphia, Pennsylvania, USA

P4-104 Gender Differences in Patterns of Performance on List Learning Tests: The Serial Position Effect
Taylor D Lambertus, Julie A Suhr
Ohio University, Athens, OH, USA

P4-105 Does Leisure Time Moderate the Relationship Between Perceived Stress and Cognition?
Tess H. Bookheimer, Soumya Gupta,
Sam Collins, Fayeza Ahmed
The University of Maine, Orono, ME, USA

P4-01 A Holistic Approach to Cognitive and Brain Aging: Unpacking the Roles of Lifestyle, Health, and Environment
Chair
Corinne Pettigrew
Johns Hopkins School of Medicine, Baltimore, MD, USA
Discussant (Optional)
Anja Soldan
Johns Hopkins School of Medicine, Baltimore, MD, USA
Summary Abstract
A large number of factors contribute to individual differences in cognitive and brain outcomes in older adults. This includes psychosocial influences, lifestyle variables such as physical activity and sleep, health risks, neighborhood characteristics, and genetics, among others. Integrating novel findings from ongoing cohort studies, this symposium will extensively explore the many ways in which these variables individually and in combination relate both to domain-specific cognitive performance and to brain structure and function among largely middle-aged and older adults. The studies featured in this symposium utilize a variety of neuroimaging methodologies, thereby providing insights to the various mechanisms by which potentially modifiable lifestyle, health, and environmental factors impact brain health and cognition. The first presentation will address the role of stressful life experiences on cognition and on functional connectivity within large-scale brain networks derived from resting state functional magnetic resonance imaging (rs-fMRI). Analyses included over 350 middle-aged and older adults from the multi-site Healthy Minds for Life study and showed that greater self-reported stress levels were associated with reduced functional connectivity in specific networks and with lower global cognitive performance. The second presentation, featuring data from the BIOCARD study, will explore the complex interplay between sleep and physical activity, both objectively measured using actigraphy. This includes their independent and joint

associations with cognition and with rs-fMRI functional brain connectivity, as well as with the microstructural integrity of medial temporal lobe regions. Findings from the study suggest that better sleep and greater physical activity are associated with better cognitive performance and that this may be mediated by improved microstructural integrity and better whole-brain functional connectivity. The third talk will highlight findings from the racially and ethnically diverse MUNA Brain Aging Study, with a focus on the relationship of mid- and late-life measures of residential segregation with cortical thickness in Alzheimer's disease vulnerable regions and episodic memory performance. Results support the view that late-life residential segregation, as well as increasing levels of racial segregation over time, are associated with lower cortical thickness in temporal lobe regions, which may precede cognitive decline. Expanding on these talks, the final presentation will use data from the Dallas Area Longitudinal Lifespan Study to describe a multivariate modeling approach for exploring how a comprehensive set of genetic (i.e., polymorphisms for dopamine availability), lifestyle, and health factors mediate the relationship between cortical thickness and executive function performance. The cross-sectional results demonstrate distinct pathways by which physical activity, sleep quality, and stress impact executive functions via cortical thickness and vascular health across the lifespan. Taken together, the studies showcased in this symposium provide an overview of how modifiable lifestyle factors impact brain structure and function and ultimately cognitive performance, with important implications for interventions aimed at reducing age-related cognitive decline. The talks will underscore the complex and interactive nature of multiple determinants of cognitive aging, as well as the critical interplay between life experiences and brain health. The symposium further highlights the need for personalized approaches to understanding and promoting cognitive healthspan in aging adults.

Keyword 1

aging (normal)

Keyword 2

cognitive neuroscience

P4-02 Stressful Social Life Experiences Relate to Functional Brain Network Connectivity and Cognition in Aging
Corinne Pettigrew¹, Gabrielle Pfaff¹, Anja Soldan¹, Lee Ryan², Chidi Ugonna², Nan-kuei Chen², Elizabeth Paitel¹
¹Johns Hopkins School of Medicine, Baltimore, MD, USA. ²University of Arizona, Tucson, AZ, USA

P4-03 Residential Segregation Across the Life Course and Dementia Risk: Effects of Mid-life, Late-life, and 20 Years of Neighborhood Change on Brain and Memory Outcomes
Abbey M Hamlin, Ashley Chikkala, Christian J Jackson, Alexandra L Clark
University of Texas at Austin, Austin, TX, USA

Coffee Break

15:45 - 16:00 Thursday, 5th February, 2026

Location: Franklin Hall B (Level 4)
Presentation type Other

Invited Symposium 03: (Hampstead) Current Evidence and Methodological Advances for Transcranial Direct Current Stimulation
16:00 - 17:25 Thursday, 5th February, 2026
Location: Grand Ballroom / Salon E
Presentation type Invited Symposium
Speakers:
Benjamin M. Hampstead, PhD, ABPP-CN
Javier Peña Lasa, PhD
Jean-Phillipe Miron, MD, PhD
Aprinda Indahlastari Queen, PhD

Introduction:

CE: 1.5 Hours
Level of Instruction: Introductory

1183 Current Evidence and Methodological Advances for Transcranial Direct Current Stimulation

Symposium 07: (Buchholz) Functional Cognitive Disorder: Current Concepts, Controversies, and Clinical Insights
16:00 - 17:25 Thursday, 5th February, 2026
Location: Salon I (Level 5)
Presentation type Symposium
Introduction:

16 Functional Cognitive Disorder: Current Concepts, Controversies, and Clinical Insights
Chair
Alison S Buchholz
Johns Hopkins University, School of Medicine, Baltimore, MD, USA
Summary Abstract
Functional neurological symptom disorder (FND) is a family of phenomena in which patients develop motor, sensory, and/or cognitive symptoms that are due to underlying neural networks dysfunction rather than identifiable structural neuropathology. Our understanding of FND is rapidly evolving in this age of innovation. In part due to neuroimaging studies revealing evidence of neural network dysfunction in FND, what has historically been conceived of as a psychiatric disorder, has more recently been accepted as existing at the intersection of psychiatry and neurology, pushing boundaries of each. Functional cognitive disorder (FCD) is a common FND subtype in which the primary symptom is clinically significant cognitive problems, which present with internal inconsistency (also known as contrasting function and dysfunction). Also inherently pushing boundaries and demanding innovation in terms of how neuropsychologists conceive function versus dysfunction, the internal inconsistency in FCD is typically defined as the ability to perform a cognitive task

well at some times, with significant deficits in the same task at other times, or variable difficulty with simple task completion, with more complex task completion remaining intact. This is distinguished from cognitive fluctuations due to delirium, sundowning, dementia with Lewy bodies, or other isolated neurologic impairment. Importantly, the cognitive problem in FCD typically worsens when the patient's attention is focused on the issue, while symptom severity can be attenuated with distraction. FCD has long been overlooked or misdiagnosed, with these patients often labeled as having "pseudodementia," "a medically unexplained illness," "factitious disorder," or "unspecified neurocognitive disorder." However, emerging evidence argues that FCD is distinct, common (approximately one quarter of referrals to tertiary memory disorders clinics), and highly disabling for many patients, leading to unemployment and reduced quality of life. Critically, neuropsychologists are the most well qualified professionals to provide care to patients with FCD, although many neuropsychologists have not yet received training in FCD. A developing innovation in clinical medicine and neuropsychology is the assessment, diagnosis, and treatment of functional neurological disorders such as FCD based on positive signs (e.g., internal inconsistency). Moreover, a clear and compassionate explanation of the diagnosis with patients and families leads to better outcomes than does treating FCD as a diagnosis of exclusion. This symposium will provide an overview of FCD, with a detailed review of relevant literature and provision of clinically actionable advice. Specifically, the speakers will discuss (i) history, definition, and modern conceptualization (led by Dr. Van Patten), (ii) assessment (including performance validity testing), differential diagnosis, and controversies (led by Dr. Buchholz), (iii) mechanisms (led by Dr. Keatley), and (iv) treatment (led by Dr. Cotton). The discussion will include differential diagnosis of FCD versus Alzheimer's disease and other neurodegenerative conditions as well as discussion of differentiation of FCD from feigning (i.e., malingering or factitious disorder). Lastly, cutting edge, evidence-based treatments for FCD will be presented, including a Taking Control of Your Functional Cognitive Symptoms workbook, which neuropsychologists can implement with their patients.

Keyword 1

memory disorders

Keyword 2

metacognition

Keyword 3

treatment outcome

333 Functional Cognitive Disorder: Background, Diagnostic Criteria, & Clinical Characterization
Ryan Van Patten

Brown University, Providence, RI, USA

338 Controversies Surrounding Assessment and Differential Diagnosis in Functional Cognitive Disorder

Alison S Buchholz
Johns Hopkins University, Baltimore, MD, USA

341 Emerging Mechanisms in Functional Cognitive Disorder
Eva Keatley
Johns Hopkins University, Baltimore, MD, USA

343 Treatments for Functional Cognitive Disorder
Erica Cotton
Northwestern University, Chicago, IL, USA

Paper 10: Mobile and Online Cognitive Testing
16:00 - 17:25 Thursday, 5th February, 2026
Location: Salon K (Level 5)
Presentation type Paper Session
Moderator:

16:00 - 16:14
801 Feasibility, Reliability, and Validity of Remote, Self-administered Smartphone Cognitive Testing in a Registry-Based Cohort
Sreya Dhanam¹, Mark Sanderson-Cimino¹, Jack Carson Taylor¹, Emily W. Paolillo¹, Ray Fregly¹, Winnie Kwang², Amy Wise¹, Hilary W. Heuer¹, Leah K. Forsberg³, Joel H. Kramer¹, Bradley F. Boeve³, Howard J. Rosen¹, Michael W. Weiner^{1,2,4,5}, Rachel L. Nosheny^{4,5}, Adam M. Staffaroni¹, Adam Boxer¹
¹Department of Neurology, Memory and Aging Center, Weill Institute for Neurosciences, University of California, San Francisco, San Francisco, California, USA. ²Department of Radiology and Biomedical Imaging, University of California, San Francisco, San Francisco, California, USA. ³Department of Neurology, Mayo Clinic, Rochester, Minnesota, USA. ⁴Northern California Institute for Research and Education, San Francisco, California, USA. ⁵Department of Psychiatry and Behavioral Sciences, University of California, San Francisco, San Francisco, California, USA

16:14 - 16:28
822 Association Between a Novel Objective, Online Money Management Task and Unhealthy Debt Management Behaviors
Preeti Sunderaraman^{1,2}, Madison Bouchard-Liporto¹, Sandra Rizer³, Silvia Chapman³, Alyssa De Vito^{2,1}, Louisa Thompson^{2,1}, Edward Huey^{1,2}, Stephanie Cosentino³
¹Butler Hospital Memory and Aging Program, Providence, RI, USA. ²Alpert Medical School of Brown University, Providence, RI, USA. ³Columbia University Irving Medical Center, New York, NY, USA

16:28 - 16:42
502 Reproductive Milestones Across the Lifespan: Exploring Links to Digital Cognitive Outcomes in Postmenopausal Women
Teresa Facchetti¹, Sandra J. Rizer¹, Kavya Jhaveri¹, Silvia Chapman¹, Jillian L. Joyce², Sarah E. Tom¹, Karen Marder¹, Stephanie Cosentino¹, Mary L. Rosser¹

¹Columbia University, New York, New York, USA. ²University of Southern California, Los Angeles, California, USA

16:42 - 16:56
297 Test-retest reliability and practice effects within remote administration of the Mobile Toolbox
Y. Catherine Han¹, Cindy J Nowinski¹, Aaron J Kaat¹, Michael Weiner^{2,3}, Joseph Eichenbaum², Bernard Landavazo^{2,3}, Monica R Camacho³, Richard C Gershon¹, Rachel L Nosheny^{2,3}, Elizabeth M Dworak¹
¹Northwestern University Feinberg School of Medicine, Chicago, IL, USA. ²University of California at San Francisco, San Francisco, CA, USA. ³Northern California Institute for Research and Education, San Francisco, CA, USA

16:56 - 17:10
861 Structural integrity of the uncinate, cingulum, and fornix is associated with better performance on mobile cognitive assessments of executive functioning
Ashley Heywood¹, Amy Wolf¹, Yann Cobigo¹, Emily W Paolillo¹, Mark Sanderson-Cimino¹, Jack C Taylor¹, Hilary W Heuer¹, Sreya Dhanam¹, Joshua Downer¹, Ray Fregly¹, Kaitlin Casaletto¹, Joel Kramer¹, John Kornak¹, Leah K Forsberg², Bradley F Boeve², Adam L Boxer¹, Howard J Rosen¹, Adam M Staffaroni¹
¹University of California, San Francisco, CA, USA. ²Mayo Clinic, Rochester, MN, USA

17:10 - 17:24
618 Items related to repetitive behaviors and play may place females at a disadvantage for screening positive for autism
Ericka L Wodka¹, Vini Singh¹, Shuchen Hu², Antonio Hardan³, Ashley Kniola¹, The SPARK Consortium⁴
¹Kennedy Krieger Institute, Baltimore, MD, USA. ²Loyola University, Baltimore, MD, USA. ³Stanford University, Stanford, CA, USA. ⁴Boston Children's Hospital, Boston, MA, USA

Paper 11: Cognitive Trajectories and Disease Risk
16:00 - 17:25 Thursday, 5th February, 2026
Location: Salon B (Level 5)
Presentation type Paper Session
Moderator:

16:00 - 16:14
620 Early Detection of Cognitive Decline Using an Evidence-Based Risk Score, Hippocampal Volume, and Subjective Memory Concerns in an Ethn racially Diverse Sample
Alexa S. Gonzalez¹, Andrea P. Ochoa Lopez^{2,1}, Stephanie Torres³, Joshua M. Garcia¹, Brianne M. Bettcher⁴, Luis D. Medina^{1,5}
¹University of Houston, Houston, TX, USA. ²UTHealth Houston McGovern Medical School, Houston, TX, USA. ³Perspectives Psychological, Newport Beach, CA, USA. ⁴University of Colorado Anschutz School of Medicine, Denver, CO, USA. ⁵Baylor College of Medicine, Houston, TX, USA

16:14 - 16:28

20 Multivariate Cognitive Change Predicts Progression to Dementia in Black Older Adults
Madison K. McGuire^{1,2}, Jeremy G. Grant¹, Kyra M. Bonta¹, Tamare V. Adrien³, Lisa L. Barnes⁴, Glenn E. Smith³
¹The Ohio State University, Columbus, Ohio, USA.
²James Madison University, Harrisonburg, Virginia, USA.
³University of Florida, Gainesville, Florida, USA. ⁴Rush University Medical Center, Chicago, Illinois, USA

16:28 - 16:42

959 Distinct Biomarker Profiles of Cognitive Vulnerabilities in People With Human Immunodeficiency Virus (HIV)
Kiely N. Bol^{1,2}, Bin Tang², Erin E. Sundermann², Patricia K. Riggs², David J. Moore²
¹SDSU/UC San Diego Joint Doctoral Program in Clinical Psychology, San Diego, CA, USA.
²Department of Psychiatry, University of California, San Diego, San Diego, CA, USA

16:42 - 16:56

1032 Longitudinal Cognitive Trajectories in Older Chinese Americans, Chinese in China, and White U.S. Adults: A Harmonized Cohort Analysis
Michelle H Chen, Jaylene Sosa, Initha Selvakumar, Shlok Ganguly, Donald Hoover, William T. Hu
Rutgers University, New Brunswick, NJ, USA

16:56 - 17:10

165 Clinical and Neuropsychological Profiles in People with Chronic Traumatic Encephalopathy Neuropathologic Change: A Matched Case-Series Study
Jeff Schaffert¹, Niyenth Iyengar¹, Robbie Magill¹, Christian LoBue¹, Hsueh-Sheng Chiang², Charles L White¹, John Hart³, Nyaz Didehbani¹, C. Munro Cullum¹
¹University of Texas Southwestern Medical Center, Dallas, TX, USA. ²Beth Israel Deaconess Medical Center, Boston, MA, USA. ³University of Texas Dallas, Dallas, TX, USA

17:10 - 17:24

800 Cognitive Intraindividual Variability as a Marker of Future Cognitive Decline and Neurodegeneration: A Longitudinal Study of Global Cognition, Hippocampal Atrophy, and White Matter Hyperintensities
Fini Chang^{1,2}, Fareshte Erani², Caitlin M. Terao², Uriel Urias², Daliah Ross³, Kelsey R. Thomas², Katherine J. Bangen^{2,1}
¹VA San Diego Healthcare System, San Diego, CA, USA. ²University of California, San Diego, San Diego, CA, USA. ³Brown University, Providence, RI, USA

Symposium 08: (Ryman) Vascular Dysfunction and Dementia – Mechanisms by Which Vascular Dysfunction Can Influence Neurodegeneration

16:00 - 17:25 Thursday, 5th February, 2026

Location: Salon D (Level 5)

Presentation type Symposium

Introduction:

20 Vascular Dysfunction and Dementia – Mechanisms by Which Vascular Dysfunction Can Influence Neurodegeneration

Chair

Sephira Ryman

Mind Research Network / University of New Mexico, Albuquerque, NM, USA

Discussant (Optional)

Summary Abstract

Vascular dysfunction plays a significant role in the development and progression of multiple forms of dementias, including vascular cognitive impairment dementia (VCID), Alzheimer's disease (AD), and Parkinson's disease dementia (PDD). While growing evidence has highlighted the impact of established cerebrovascular small vessel disease mechanisms, emerging research points to earlier, upstream vascular mechanisms that may actively drive or amplify neurodegeneration across these disorders. Disruptions in cerebral blood flow, breakdown of the blood-brain barrier, and impaired glymphatic clearance are all implicated in each of these dementias – yet the precise mechanisms and relative impact may differ across dementia subtypes. This symposium will delve into these mechanisms across VCID, AD, and PDD, highlighting both converging and diverging pathways. Dr. Lucia Cavanagh will open with an overview of established cerebrovascular disease and its contribution to VCID. Dr. Adam Brickman will follow with insights into how blood brain barrier dysfunction and inflammation intersect and influence AD pathology. Next, Dr. Daniel Nation will present on cerebral vasomotor function in older adults at risk for dementia, shedding light on emerging mechanistic links. Dr. Sephira Ryman will conclude with a focus on the interaction between vasomotion and glymphatic clearance in Parkinson's disease. The session will close with a synthesis of these presentations, highlighting shared and distinct vascular contributions to AD, VCID, and PDD – offering a multidimensional view of how vascular health shapes cognitive decline.

Keyword 1

aging disorders

Keyword 2

cerebrovascular disease

Keyword 3

Parkinson's disease

398 Cardiovascular Contributions to Vascular Cognitive Impairment and Dementia (VCID)

Lucia Cavanagh

UCLA Jane and Terry Semel Institute for Neuroscience and Human Behavior, Los Angeles, CA, USA

486 Is Cerebrovascular Disease a Core Feature of Alzheimer's Disease?

Adam Brickman

Columbia University, New York, New York, USA

493 Cerebral Vasomotor Function in Older Adults at Risk for Dementia
Daniel Nation
University of Southern California, Los Angeles, CA, USA

511 Cerebral Vasomotor and Cerebrospinal Fluid Flow in Parkinson's Disease
Sephira Ryman
Mind Research Network / University of New Mexico, Albuquerque, NM, USA

Poster 05: Brain Injury, Neurological Disease, and Disorders of Consciousness
16:15 - 17:25 Thursday, 5th February, 2026
Location: Franklin Hall B (Level 4)
Presentation type Poster Session
This session includes a poster symposium and posters. Scroll down to view all poster presentations and assigned poster board numbers.

Poster symposia are presented as regular posters, but are grouped together to allow their presenters to have a cohesive discussion with interested viewers.

P5-06 Behavioral, Cognitive, and Functional Outcomes Following a Basal Ganglia Stroke: A Case Study
Abhilasha Kadel, Stella Garriga, Katelyn M Garcia, Franchesca Arias
University of Florida, Gainesville, Florida, USA

P5-07 Examining Interactions Between Traumatic Brain Injury and Combat Exposure on Psychiatric and Neurologic Outcomes in Military Veterans
Alexa C. Verkuilen¹, Elizabeth C. Valocchi¹, Leah D. Talbert¹, Catherine Chanfreau-Coffinier², Victoria C. Merritt^{1,3,4}
¹VA San Diego Healthcare System (VASDHS), San Diego, CA, USA. ²VA Greater Los Angeles Health Care System, Los Angeles, CA, USA. ³Department of Psychiatry, University of California San Diego, La Jolla, CA, USA. ⁴Center of Excellence for Stress and Mental Health, VASDHS, San Diego, CA, USA

P5-08 Associations Between Self-Reported Levels of Aggression, Irritability, and Depression in Collegiate Athletes with a History of Concussion
Amber M Bankston, Scott A Gustafson, Mary C Fertitta, Heidi H Edwards
Florida Institute of Technology, Melbourne, FL, USA

P5-09 Mood Predicts Trail Making Test Performance in a Geriatric Traumatic Brain Injury Population
Andrea Vargas Ramirez¹, Nicole Feeney², Ana Minakata³, Esteban Valenzuela Romero³, María I. del Villar Basauri¹, Raymundo Cervantes⁴, Daniel Walter López Hernández⁴
¹Universidad de Monterrey, Monterrey, Nuevo León, Mexico. ²UCLA, Los Angeles, California, USA. ³Tecnológico

de Monterrey, Monterrey, Nuevo León, Mexico. ⁴Alliant International University, Alhambra, California, USA

P5-10 Improving Self-Reported Concussion History Estimation Among Older Adults and Brain Donor Next-of-Kin from Memory and Movement Disorder Clinics
Bailey Garner^{1,2,3,4}, Emily F. Matusz^{3,4,5}, Olivia M. Emanuel^{3,4,5}, Shannon Y. Lee^{3,4,5}, Jessica Bove^{3,4,5}, Alex Crane^{6,7}, Chuck Jacobson^{1,2}, Jamie Blackband^{3,4,5}, Stefan Prokop^{2,4,6,7,8}, Michael Alosco^{9,10,11,12}, Breton Asken^{2,3,4,5}
¹Department of Neurology, Gainesville, FL, USA. ²Norman Fixel Institute for Neurological Diseases, Gainesville, FL, USA. ³Florida Alzheimer's Disease Research Center, Gainesville, FL, USA. ⁴University of Florida, Gainesville, FL, USA. ⁵Department of Clinical and Health Psychology, Gainesville, FL, USA. ⁶Department of Pathology, Gainesville, FL, USA. ⁷Center for Translational Research in Neurodegenerative Disease, Gainesville, FL, USA. ⁸McKnight Brain Institute, Gainesville, FL, USA. ⁹Department of Neurology, Boston, MA, USA. ¹⁰Boston University Alzheimer's Disease Research Center, Boston, MA, USA. ¹¹Boston University CTE Center, Boston, MA, USA. ¹²Boston University Chobanian & Avedisian School of Medicine, Boston, MA, USA

P5-11 Mild Traumatic Brain Injury as a Predictor of Alzheimer's Disease
Brianna M. Schmidt¹, Jakob Thorn^{1,2}, Kathleen D. Liming^{1,3}, Kailyn Bare^{2,4}, Mark A. Stillman¹
¹Mercer University, Atlanta, GA, USA. ²University of Oklahoma, Oklahoma City, OK, USA. ³University of Alabama - Birmingham, Birmingham, AL, USA. ⁴DePaul University, Chicago, IL, USA

P5-12 The Roles of Depression and Anxiety in Everyday Abilities in Moderate-to-Severe Traumatic Brain Injury
Connor Martin¹, Maci Wood¹, Gurjot Dhillon¹, Esmeralda Palafox¹, Garry Randhawa¹, Jordan Kozuki², Amanda Klassen³, Daniel W. Lopez Hernandez⁴, David J. Hardy⁵, Paul Vespa⁶, David A. Hovda⁶, Ellen Woo⁷, Joaquin M. Fuster⁶, Deborah Budding⁸, Matthew J. Wright⁷
¹California State University, Fresno, Fresno, California, USA. ²University of California San Diego, San Diego, California, USA. ³Brigham Young University, Provo, Utah, USA. ⁴Alliant Los Angeles, Los Angeles, California, USA. ⁵Loyola Marymount University, Los Angeles, California, USA. ⁶University of California, Los Angeles, Los Angeles, California, USA. ⁷California State University, Fresno & University of California, San Francisco, Fresno & San Francisco, California, USA. ⁸Private Practice, Los Angeles, California, USA

P5-13 Effects of Psychiatric and Cerebrovascular Disease on Two- and Three-Dimensional Constructional Ability Across Age Cohorts
Daniel Capruso
New York City College of Technology, Brooklyn, NY, USA

P5-14 Examining Severe Traumatic Brain Injury in Females
Daniel Walter López Hernández
Alliant International University, Alhambra, California, USA

P5-15 Exploratory Factor Analyses Based on
Total and Composite Scores of Individuals with
Traumatic Brain Injury (TBI) Derived from the
Rey – Auditory Verbal Learning Test (AVLT)
Bar Lambez¹, Haya Blachstein², Adi Granat³, Eli Vakil²
¹Rupp Academic Center, Emek Hefer, Israel. ²Bar-Ilan
University, Ramat-Gan, Israel. ³Ariel University, Ariel, Israel

P5-16 Longitudinal Prediction of Cognitive
Outcome 19-months After CVA Involving
the Cerebrocerebellar Network
Elliott M Gomez^{1,2}, Christopher A Krause^{1,2}, Timea M
Hodics^{3,4}, Gavin W Britz^{3,5,4}, Mario F Dulay^{3,5}
¹Houston Methodist Neurological Institute, Houston,
TX, USA. ²University of Houston, Houston, TX, USA.
³Dept Neurosurgery, Houston Methodist Neurological
Institute, Houston, TX, USA. ⁴HMNI Center for
Neural Systems Restoration, Houston, TX, USA.
⁵Weill Cornell Medicine, New York, NY, USA

P5-17 Prediction of Long-term Disability Sequelae
16 months after Cerebrovascular Accident
Emma Lai^{1,2}, Caitlin B Dulay^{1,3}, Timea M Hodics^{4,5},
Gavin W Britz^{4,5,6}, Mario F Dulay^{4,6}
¹Houston Methodist Neurological Institute, Houston, TX,
USA. ²University of Virginia, Charlottesville, NC, USA.
³Texas A&M University, College Station, TX, USA. ⁴Dept of
Neurosurgery, Houston Methodist Neurological Institute,
Houston, TX, USA. ⁵HMNI Center for Neural Regeneration,
Houston, TX, USA. ⁶Weill Cornell Medicine, New, York, USA

P5-18 The Role of Occupational Exposure in
Executive Function and Mood Symptoms in
Veterans with Chronic Multi-Symptom Illness
Erin M Parrish^{1,2}, Sherri L Tschida^{2,1}, Ryan
C Brewster^{1,2}, Matthew J Reinhard^{1,2}
¹War-Related Illness and Injury Study Center,
Washington, DC, USA. ²Complex Exposure Threats
Center of Excellence, Washington, DC, USA

P5-19 Influence of Apolipoprotein E Gene Status on
Network Response in Individuals Aging with Brain Injury
Faith V Lockhart, Hollie Mullin, Andrew Cwiek,
Lexi Baird, Ishita Pesati, Frank Hillary
Pennsylvania State University, state college, PA, USA

P5-20 Longitudinal Cognitive Assessment
in the Rodeo: A Case Study
Gabrielle Hromas^{1,2}, Amy Werry-McFarlin^{1,2},
Jeremy Tanner^{1,2}, Sarah Horn^{1,2}, Jennifer Del
Bosque¹, Luis Gutierrez¹, Rajeswar Kumar¹, Amaya
Seidl¹, Anika Thompson¹, Sudha Seshadri^{1,2},

Ashley LaRoche¹, A. Campbell Sullivan^{1,2}
¹Glenn Biggs Institute for Alzheimer's & Neurodegenerative
Diseases at UT Health San Antonio, San Antonio,
Texas, USA. ²Department of Neurology at UT
Health San Antonio, San Antonio, Texas, USA

P5-21 Determinants of Prolonged Recovery After
Mild Traumatic Brain Injury in Student Athletes:
Psychosocial, Clinical, and Biological Perspectives
Gesenia Sloan-Pena, Disha Thakkar, Juliana Ortiz,
Lamiya Maguire-Khan, Megi Roko-Blanco
Nova Southeastern University, Fort Lauderdale, Florida, USA

P5-22 Evaluating Emotion Regulation and Quality
of Life in Individuals with Traumatic Brain Injury
Jeannie Lengenfelder, Aubree Alexander,
Killian Hamrick, Nancy D Chiaravalloti
Kessler Foundation, East Hanover, NJ, USA

P5-23 Blood-Based Biomarkers of
Concussion: A Meta-Analysis
Jennifer L. Gooch¹, Kevin S. McCarthy¹,
William J. Ernst², Kenneth J. Soprano¹
¹Chestnut Hill College, Philadelphia, PA, USA.
²William Patterson University, Wayne, NJ, USA

P5-24 Sex Differences in Needs of Individuals with
Traumatic Brain Injury in Rural versus Urban Settings
Jessica L Lammers¹, Seima Al Momani¹,
Peggy Reisher², Kathy S Chiou¹
¹University of Nebraska-Lincoln, Lincoln, NE, USA. ²Brain
Injury Association of Nebraska, Lincoln, NE, USA

P5-25 Event-Related Potentials Markers of
Conflict Processing in Adults with Mild Traumatic
Brain Injury: A Longitudinal Study
John M Livingstone¹, Tanner J Jensen¹, Alexandra
M Muir¹, Ann Clawson², Thomas J Farrer³, Denise
Lafont-Tanner¹, Erin M Corbin¹, Tyshae Jaggie⁴,
Nathan Alder⁵, Erin D Bigler^{1,6}, Michael J Larson¹
¹Brigham Young University, Provo, UT, USA. ²Children's
National Hospital, Rockville, MD, USA. ³University of
Idaho, Moscow, ID, USA. ⁴Pacific Northwest University
of Health Sciences, Yakima, WA, USA. ⁵University
of Utah School of Medicine, Salt Lake City, UT, USA.
⁶University of Utah, Salt Lake City, UT, USA

P5-26 Longitudinal Study of Verbal Learning
and Memory After Traumatic Brain Injury
José R. Andrade Velasco¹, Jéssica V. Bautista Martínez¹,
Andrea Vargas Ramírez², Maura Villalobos San
José³, Natalie Gevoganian⁴, Raymundo Cervantes⁴,
Ana Minakata¹, Mauricio A. Díaz Torres¹, Esteban
Valenzuela Romero¹, Isabel D. C. Muñoz⁵, María I. del
Villar Basauri², Sara P. González Flores¹, Armando
Acuña Rodríguez¹, Daniel Walter López Hernández⁴
¹Tecnológico de Monterrey, Monterrey, Nuevo León,

Mexico. 2Universidad de Monterrey, Monterrey, Nuevo León, Mexico. 3Tecnológico de Monterrey, Tlalpan, Ciudad de México, Mexico. 4Alliant International University, Alhambra, California, USA. 5California State University, Northridge, California, USA

P5-27 Factors Associated with Concussion Knowledge and Misconceptions in Students Depending on Athlete Status
Joseph M Fontanals, Ruta Clair
Philadelphia College of Osteopathic
Medicine, Philadelphia, PA, USA

P5-28 Emotionally Modulated Startle Response in Combat-Exposed Veterans: Exploring Effects of Post-Traumatic Stress Disorder and Traumatic Brain Injury
Katelin N. Curtis¹, Abigail B. Waters¹, Aliyah R. Snyder¹, Damon G. Lamb^{1,2}, Eric S. Porges¹, John B. Williamson^{1,2}
¹University of Florida, Gainesville, FL, USA. ²North Florida South Georgia Veterans Health System, Gainesville, FL, USA

P5-29 Autonomic Function and White Matter Hyperintensity Burden as Predictors of Cognitive Performance in Older Adults Following Sub-Acute Traumatic Brain Injury
Laura C. Jones^{1,2}, Abigail B. Waters^{1,2}, William Haskins³, John B. Williamson^{1,2}
¹University of Florida, Gainesville, FL, USA. ²Brain Rehabilitation Research Center - VA North Florida/ South Georgia Health Care, Gainesville, FL, USA. ³Gryphon Bio, San Francisco, CA, USA

P5-30 System-Level Patterns in Traumatic Brain Injury ICD Coding Within the VA Healthcare System
Leah D. Talbert¹, Elizabeth C. Valocchi², Catherine Chanfreau-Coffinier³, Victoria C. Merritt^{2,4,5}
¹Psychology Service, VA San Diego Healthcare System, San Diego, CA, USA. ²Research Service, VA San Diego Healthcare System, San Diego, CA, USA. ³VA Greater Los Angeles Health Care System, Los Angeles, CA, USA. ⁴Department of Psychiatry, University of California, San Diego, CA, USA. ⁵Center of Excellence for Stress and Mental Health, VA San Diego Healthcare System, San Diego, CA, USA

P5-32 Associations Between Anxiety and Processing Speed in Geriatric Population With Traumatic Brain Injury: A Longitudinal Study
Maura Villalobos San José¹, Andrea Vargas Ramírez², Jéssica V. Bautista Martínez³, Raymundo Cervantes⁴, Ana Minakata³, Isabel D.C. Muñoz⁵, Natalie Gevoglianian⁴, Mauricio A. Díaz Torres³, María I. del Villar Basauri², José R. Andrade Velasco³, Demien Naghdi⁶, Sara P. González Flores³, Daniel Walter López Hernández⁴
¹Tecnológico de Monterrey, Tlalpan, Ciudad de México, Mexico. ²Universidad de Monterrey, Monterrey, Nuevo León, Mexico. ³Tecnológico de Monterrey, Monterrey, Nuevo León, Mexico. ⁴Alliant International University, Alhambra, California, USA. ⁵CSU Northridge, Northridge, California,

USA. ⁶University of Nevada, Las Vegas, Nevada, USA

P5-33 Visuospatial Deficits and Reading in Chronic Left-Hemisphere Stroke Aphasia
Melissa Rosahl¹, William W Graves², Elizabeth B Madden³, Brian M Sandroff¹, Hayejin Kim¹, Olga Boukrina¹
¹Kessler Foundation, West Orange, NJ, USA. ²Rutgers University, Newark, NJ, USA. ³Florida State University, Tallahassee, FL, USA

P5-34 Neuropsychological Impairment Predicts Poor Quality of Life in Metastatic Brain Cancer
Michael Basso¹, Paul Brown¹, Ashlee Loughan², Bryan Neth¹, Savanna Tierney¹, Jun Min Koay¹, William Breen¹, Douglas Whiteside³, Dennis Combs⁴
¹Mayo Clinic, Rochester, MN, USA. ²Virginia Commonwealth University, Richmond, VA, USA. ³University of Minnesota, Minneapolis, MN, USA. ⁴University of Texas, Tyler, TX, USA

P5-35 Frontoparietal Network Inefficiency and Metacognitive Decision-Making in Individuals with Traumatic Brain Injury
Michael J Walsh¹, Erica Weber^{2,3}, Ekaterina Dobryakova^{2,3}, Kathy S Chiou¹
¹University of Nebraska-Lincoln, Lincoln, Nebraska, USA. ²Kessler Foundation, West Orange, New Jersey, USA. ³Rutgers New Jersey Medical School, Newark, New Jersey, USA

P5-36 Reduced Pain Responsiveness Following Cerebrovascular Injury
Michitaka Funayama¹, Yoshitaka Nakagawa², Keigo Sato¹, Masaru Mimura³
¹Ashikaga Red Cross Hospital, Ashikaga, Tochigi, Japan. ²Edogawa hospital, Edogawa, Tokyo, Japan. ³Keio University Center for Preventive Medicine, Minato, Tokyo, Japan

P5-37 Neuropsychological Outcomes in Traumatic Brain Injury: Age Group Comparisons of Fluency
Natalie Gevoglianian¹, Andrea Vargas Ramírez², Raymundo Cervantes¹, Nicole Feeney³, María I. del Villar Basauri², Maura Villalobos San José⁴, Sara P. González Flores⁵, Jéssica V. Bautista Martínez⁵, Krissy E. Smith⁶, José R. Andrade Velasco⁵, Daniel Walter López Hernández¹
¹Alliant International University, Alhambra, California, USA. ²Universidad de Monterrey, Monterrey, Nuevo León, Mexico. ³UCLA, Los Angeles, California, USA. ⁴Tecnológico de Monterrey, Tlalpan, Ciudad de México, Mexico. ⁵Tecnológico de Monterrey, Monterrey, Nuevo León, Mexico. ⁶CSU Dominguez Hills, Carson, California, Mexico

P5-38 A Comparison of Neuropsychological Functioning Among Older Adults Without and Those with Single or Repeated Historical Head Injuries Controlling for Modifiable Health Factors
Nathan R Ramirez¹, Aamir Laique²
¹Aptiva Health, Louisville, KY, USA. ²University of

Pittsburgh Medical Center, Pittsburgh, PA, USA

P5-39 Army Pre-Deployment Training

Traumatic Brain Injury Risk

Nicole J. Eng^{1,2}, James Hoelzle², Rebecca B.

Williams¹, Kathryn N. Devlin¹, Maria T. Schultheis¹

¹Drexel University, Philadelphia, PA, USA.

²Marquette University, Milwaukee, WI, USA

P5-40 Verbal Fluency Outcomes After Traumatic

Brain Injury: A Developmental Perspective

Nicole Feeney¹, Ana Minakata², Natalie Gevoglianian³,

Sara Paola González Flores², Isabel D.C. Muñoz⁴,

Andrea Vargas Ramirez⁵, Mariam Gomez⁶,

Krissy E. Smith⁷, Victoria Asereth², Raymundo

Cervantes³, Daniel Walter López Hernández³

¹UCLA, Los Angeles, CA, USA. ²Tecnológico de

Monterrey, Monterrey, Nuevo León, Mexico. ³Alliant

International University, Alhambra, CA, USA. ⁴California

State University, Northridge, Northridge, CA, USA.

⁵Universidad de Monterrey, Monterrey, Nuevo León,

Mexico. ⁶Maastricht University, Maastricht, Netherlands.

⁷CSU Dominguez Hills, Carson, CA, USA

P5-41 Exploring The Trail Making Test as a

Performance Validity Measure in a Traumatic Brain

Injury Population Across Varying Age Groups

Nicole Feeney¹, Natalie Gevoglianian², Mariam Gomez³,

Esteban Valenzuela Romero⁴, Andrea Vargas Ramírez⁵,

Ana Minakata⁴, Demien Naghdi⁶, María Isabel del Villar

Basauri⁵, Sara Paola González Flores⁷, Silvia Jimena

Rodríguez González⁷, Daniel Walter López Hernández²

¹UCLA, Los Angeles, CA, USA. ²Alliant International

University, Alhambra, CA, USA. ³Maastricht University,

Maastricht, Netherlands. ⁴Tecnológico de Monterrey,

Monterrey, Nuevo León, Mexico. ⁵Universidad de

Monterrey, Monterrey, Nuevo León, Mexico. ⁶University

of Nevada, Las Vegas, Las Vegas, Nevada, USA.

⁷Tecnológico de Monterrey, Monterrey, Nuevo León, USA

P5-42 Cerebellar Gray Matter Volumes and Behavioral

Outcomes in Athletes with Repetitive Head Impact Exposure

Nishta R. Amin¹, Tricia Resnick¹, Vishwadeep

Ahluwalia², Ashley Ware³

¹Georgia State University, Atlanta, GA, USA.

²Georgia Institute of Technology, Atlanta, GA, USA.

³University of Utah, Salt Lake City, UT, USA

P5-43 Baseline Phonological Competence

Predicts Reading Improvement after Phonomotor

Treatment in Chronic Post-Stroke Aphasia

Olivia N Bereza¹, William W Graves², Elizabeth B Madden³,

Brian M Sandroff¹, Melissa Rosahl¹, Olga Boukrina¹

¹Kessler Foundation, West Orange, NJ, USA.

²Rutgers University, Newark, NJ, USA. ³Florida

State University, Tallahassee, FL, USA

P5-44 Bilingualism Serving as a Neurocognitive

Factor on Verbal Fluency Interval Trials in a

Hispanic Traumatic Brain Injury Population

Paulina Natalia Arévalo Torres¹, Andrea Vargas Ramírez²,

María Isabel del Villar Basauri², Natalie Gevoglianian³,

Ana V. De Anda Roa⁴, Mauricio Andrés Díaz Torres⁴,

Maura Villalobos San José⁵, Nicole Feeney⁶, Daniela

Roldán Jiménez¹, Raymundo Cervantes³, Isabel D.C.

Muñoz⁷, Esteban Valenzuela Romero⁴, José Rodrigo

Andrade Velasco⁴, Daniel Walter López Hernández³

¹Tecnológico de Monterrey, Guadalajara, Jalisco, Mexico.

²Universidad de Monterrey, Monterrey, Nuevo León,

Mexico. ³Alliant International University, Alhambra, CA,

USA. ⁴Tecnológico de Monterrey, Monterrey, Nuevo León,

Mexico. ⁵Tecnológico de Monterrey, Tlalpan, Ciudad de

México, Mexico. ⁶UCLA, Los Angeles, CA, USA. ⁷California

State University, Northridge, Northridge, CA, USA

P5-45 A Unique Look into the Pursuit for Chronic Pain

Management Following Traumatic Brain Injury

Rachael L Snyder^{1,2}, Kathy S Chiou¹

¹University of Nebraska-Lincoln, Lincoln, NE, USA.

²Baylor College of Medicine, Houston, TX, USA

P5-46 Influence of Anxiety on Stroop Color

Word Test Performance in Hispanics With

Chronic Traumatic Brain Injury

Sara P. González Flores¹, Andrea Vargas Ramirez², Jéssica

V. Bautista Martínez¹, Nicole Feeney³, Natalie Gevoglianian⁴,

Raymundo Cervantes⁴, Mariam Gómez⁵, Paulina N. Arévalo

Torres⁶, Maura Villalobos San José⁷, María I. del Villar

Basauri², Victoria Asereth¹, Daniel Walter López Hernández⁴

¹Tecnológico de Monterrey, Monterrey, Nuevo León, Mexico.

²Universidad de Monterrey, Monterrey, Nuevo León, Mexico.

³UCLA, Los Angeles, California, USA. ⁴Alliant International

University, Alhambra, California, USA. ⁵Maastricht

University, Maastricht, Netherlands. ⁶Tecnológico de

Monterrey, Guadalajara, Jalisco, Mexico. ⁷Tecnológico

de Monterrey, Tlalpan, Ciudad de México, Mexico

P5-47 The impact of mood on attention and

working memory for Veterans with repetitive-blast

exposures and chronic multi-symptom illness

Sherri Tschida^{1,2}, Erin Parrish^{1,2}, Ryan

Brewster^{1,2}, Matthew J Reinhard^{1,2}

¹War-Related Illness and Injury Study Center,

Washington, DC, USA. ²Complex Exposure Threats

Center of Excellence, Washington, DC, USA

P5-48 Preoperative Cognitive and Psychological Functioning

in Adults with Newly Diagnosed Glioblastoma: Baseline

Findings from a Longitudinal Neuropsychological Study

Sofia Vannuccini¹, Daniele Ferrarese¹, Letizia Lafuenti¹,

Daniela Beilella¹, Angelica Marfoli¹, Federica Moriconi¹,

Luca Liberati¹, Valentina Delle Donne¹, Valentina

Massaroni¹, Francesco Doglietto², Alessio Albanese²,

Alessandro Olivi², Daniela Pia Rosaria Chieffo³

1Clinical Psychology Unit, Fondazione Policlinico Universitario Agostino Gemelli IRCCS, Rome, Italy.
2Department of Neurosurgery, Fondazione Policlinico Universitario Agostino Gemelli - IRCCS, Rome, Italy.
3Clinical Psychology Unit, Fondazione Policlinico Universitario Agostino Gemelli IRCCS - Catholic University of the Sacred Heart, Rome, Italy

P5-49 Psychological Predictors of Sport-Related Concussion Symptoms.
Sohrab Sami, Lauren Moon, Christopher Abeare
University of Windsor, Windsor, Ontario, Canada

P5-50 Error Processing in Adults with Mild Traumatic Brain Injury: A Longitudinal Neurophysiological Study
Tanner J, Jensen1, Alexandra M. Muir1, Ann Clawson2, Thomas J. Farrer3, Denise Lafont-Tanner1, Erin M. Corbin1, Tyshae Jaggi4, Nathan Alder5, Erin D. Bigler1,6,7, Michael J. Larson1,6
1Department of Psychology, Brigham Young University, Provo, UT, USA. 2Department of Neuropsychology, Children's National Hospital, Washington, DC, USA. 3WWAMI Medical Education Program, University of Idaho, Moscow, ID, USA. 4Pacific Northwest University of Health Sciences, Yakima, WA, USA. 5University of Utah School of Medicine, Salt Lake City, Utah, USA. 6Neuroscience Center, Brigham Young University, Provo, UT, USA. 7Department of Neurology, University of Utah, Salt Lake City, UT, USA

P5-51 Evidence of Reliability: A Test-Retest Evaluation of the Brain Injury Screening Questionnaire in Justice-Involved Adults
Zoe Colclough1, Casey LaDuke2,3, Kristen Dams-O'Connor4,5
1Independent Researcher, Vancouver, BC, Canada. 2Assistant Professor, Department of Psychology, John Jay College of Criminal Justice and Graduate Center, City University of New York, New York, NY, USA. 3Assistant Clinical Professor, Brain Injury Research Center, Department of Rehabilitation and Human Performance, Icahn School of Medicine at Mount Sinai, New York, NY, USA. 4Jack Nash Professor and Vice Chair of Research, Department of Rehabilitation and Human Performance, Icahn School of Medicine, Mount Sinai, New York, NY, USA. 5Professor, Department of Neurology, Icahn School of Medicine, Mount Sinai, New York, NY, USA

P5-52 Verbal Fluency as Predictor of Delirium in Post-Anesthesia Care Unit
Kathryn Pendleton, Yonah Joffe, Cynthia Garvan, Faith Kimmet, Catherine Price, Ben Chapin
University of Florida, Gainesville, FL, USA

P5-53 Baseline Depression Predicts Left-Hemisphere Visual Memory Performance During Wada Testing in Patients with Epilepsy
Amber Thomas1, Kimberly Diah1, Annie

Shen2, Kenneth Manzel1, Daniel Tranel1
1University of Iowa, Iowa City, Iowa, USA. 2The Wellington School, Columbus, Ohio, USA

P5-54 Cognitive Stability with Selective Verbal Memory Improvement After LITT in Epilepsy Surgical Patients
Anthony J Longoria, Matthew Rumschlag, Nikhil Reddy, Ifrah Zawar, Shayan Moosa, W Jeffrey Elias, Kristine Ziemba, Nathan B Fountain, Racheal M Smetana
University of Virginia Health, Charlottesville, VA, USA

P5-55 Hemispheric Seizure Lateralization in Patients with Epilepsy and its Effect on Cognition in Four Parts: Executive Functions
Aubry L. Wood1,2, Claire Sullivan1, Bailey L. Ortiz1, Lexie Thomas1, Farida M. H. Mahmoud1, Hajar A. Ismail2, Anna Serafini1, Huan Huynh1, Julia Bodnya1, Jeffrey A. Loeb1, Malorie E. Watson1, Brian M. Cerny1, Jason R. Soble1, Matthew S. Phillips1
1University of Illinois Chicago, Chicago, Illinois, USA. 2Roosevelt University, Chicago, Illinois, USA

P5-56 Initial Exploration of Reliable Spatial Span as an Embedded Validity Indicator among Presurgical Epilepsy Patients
Bailey O. Newkirk1, Brian M. Cerny2, Megan E. Gribble3, Kelsey T. King4, Malorie E. Watson2, Matthew S. Phillips2, Woojin Song2, Kyle J. Jennette2, Neil H. Pliskin2, Jason R. Soble2
1The Chicago School, Chicago, IL, USA. 2University of Illinois - Chicago, Chicago, IL, USA. 3Adler University, Chicago, IL, USA. 4Roosevelt University, Chicago, IL, USA

P5-57 Hemispheric Seizure Lateralization in Patients with Epilepsy and its Effect on Cognition in Four Parts: Descriptive Characteristics
Bailey L Ortiz, Lexie Thomas, Aubry Wood, Claire Sullivan, Anna Serafini, Huan Huynh, Julia Bodnya, Jeffrey A Loeb, Malorie E Watson, Brian Cerny, Jason R Soble, Matthew S Phillips
University of Illinois Chicago, Chicago, IL, USA

P5-58 The Relationship Between Processing Speed and Memory and Employment Status in Presurgical Epilepsy Candidates
Brittany E Abdelsalam1, Sofia Lesica2, Hien Luu3, Michael Lawrence3
1Michigan Medicine, Ann Arbor, MI, USA. 2Cleveland Clinic, Cleveland, OH, USA. 3Corewell Health, Grand Rapids, MI, USA

P5-59 Hemispheric Seizure Lateralization in Patients with Epilepsy and its Effect on Cognition in Four Parts: Memory
Claire Sullivan, Bailey Ortiz, Lexie Thomas, Aubrey Wood, Anna Serafini, Huan Huynh, Julia Bodnya, Jeffrey Loeb, Malorie Watson, Brian Cerny, Jason Soble, Matthew Phillips
University of Illinois College of Medicine, Chicago, IL, USA

P5-60 English Naming in Bilingual People with Epilepsy who Speak Tonal vs Nontonal Languages
Clara Eroles, Nahal D Heydari, Marla J Hamberger
Columbia University, New York City, NY, USA

P5-61 Lateralized Effects of Hippocampal Sclerosis on Post-Selective Laser Amygdalohippocampectomy Visual and Verbal Memory Outcomes in Temporal Lobe Epilepsy
Farida M.H. Mahmoud^{1,2}, Madelyn Fisher¹, Peter Warnke¹, Maureen Lacy¹
¹University of Chicago Medicine, Chicago, Illinois, USA. ²Roosevelt University, Chicago, Illinois, USA

P5-62 Demographic and Disease-Related Correlates of Quality of Life in People with Epilepsy
Farida MH Mahmoud^{1,2}, Brian M Cerny¹, Aubry L Wood¹, Anna Serafini¹, Huan Huynh¹, Julia Bodnya¹, Jeffrey A. Loeb¹, Malorie E Watson¹, Matthew S Phillips¹, Woojin Song¹, Kyle J Jennette¹, Neil H Pliskin¹, Jason R Soble¹
¹University of Illinois Chicago, Chicago, Illinois, USA. ²Roosevelt University, Chicago, Illinois, USA

P5-63 A pilot functional assessment in older adults with epilepsy: Necessary information for appropriate diagnosis and future care planning
Ghowash Irshad¹, Isabella Mansour², Dr Jessica S Lemus¹, Dr Andrew D Lokai², Dr. Heidi A Bender^{3,4}
¹Montclair State University, Montclair, USA. ²Weill Cornell Medicine, New York, New York, USA. ³Weill Cornell Medicine, New York, USA. ⁴Department of Neurological Surgery, New York, New York, USA

P5-64 Cognitive Performance of Temporal Lobe Epilepsy Patients Following the COVID-19 Pandemic
Hema Y Prabhu, Paula K Shear, Quintino O Mano, Patrick K Beymer
University of Cincinnati, Cincinnati, OH, USA

P5-65 Impact of Depression and Anxiety on Cognitive Performance in Presurgical Epilepsy Patients
Jesse Roonprapunt¹, Adam E Saad²
¹University of Chicago, Chicago, Illinois, USA. ²Mouth Sinai Hospital, New York, New York, USA

P5-66 Association Between Childhood Trauma, Adverse Childhood Experiences, and Quality of Life in People with Epilepsy
Karishma Patel¹, Brian M Cerny¹, Zakary Barron¹, Anna Serafini², Huan Huynh², Julia Bodnya², Jeffrey A Loeb², Malorie E Watson¹, Matthew Scott Phillips¹, Woojin Song¹, Kyle Jennette¹, Neil H Pliskin¹, Jason R Soble¹
¹University of Illinois Chicago, Department of Psychiatry, Chicago, Illinois, USA. ²University of Illinois Chicago, Department of Neurology, Chicago, Illinois, USA

P5-67 Preliminary Results and Exploration of Adult

Distal Outcomes in Sturge-Weber Syndrome
Katharine E Joslyn¹, Gladys E Smith¹, Anne M Comi^{1,2,3}, Andrew T Zabel^{4,5}
¹Department of Neurology and Neurodevelopmental Medicine, Hugo Moser Kennedy Krieger Research Institute, Baltimore, MD, USA. ²Department of Neurology, Johns Hopkins School of Medicine, Baltimore, MD, USA. ³Department of Pediatrics, Johns Hopkins School of Medicine, Baltimore, MD, USA. ⁴Department of Psychiatry and Behavioral Sciences, Johns Hopkins School of Medicine, Baltimore, Baltimore, MD, USA. ⁵Clinical Research and Quality Improvement, Kennedy Krieger Institute, Baltimore, MD, USA

P5-68 Impact of Seizure Focus on the Relationship Between Memory and Quality of Life in Epilepsy
Kelsey T. King, Brian M. Cerny, Megan E. Gribble, Anna Serafini, Huan Huynh, Julia Bodnya, Jeffrey A. Loeb, Malorie E. Watson, Matthew S. Phillips, Woojin Song, Kyle J. Jennette, Neil H. Pliskin, Jason R. Soble
University of Illinois Chicago, Chicago, IL, USA

P5-69 Hemispheric Seizure Lateralization in Patients with Epilepsy and its Effect on Cognition in Four Parts: Language
Lexie Thomas, Aubry Wood, Claire Sullivan, Bailey Ortiz, Anna Serafini, Huan Huynh, Julia Bodnya, Jeffrey A Loeb, Malorie E Watson, Brian M Cerny, Jason R Soble, Matthew S Phillips
University of Illinois – Chicago, Chicago, IL, USA

P5-70 Comparing Patterns of Lateralized Verbal and Visuospatial Learning and Memory Impairment in Left, Right, and Bilateral Temporal Lobe Epilepsy Presurgical Candidates
Reilly G. Keyes^{1,2}, Brooke Benowitz^{1,2}, Megan Wintrode^{1,2}, Anna Serafini², Julia Bodnya², Huan Huynh², Jeffrey A. Loeb², Brian M. Cerny², Jason R. Soble²
¹The Chicago School, Chicago, IL, USA. ²University of Illinois Chicago, Chicago, IL, USA

P5-71 A Pilot Study of Cognition and Daily Functioning in Individuals with Functional Seizures and Chronic Pain
Alyssa Day-Gorman^{1,2}, Ariel Pruyser², Emily Dudek², Steven P. Woods², Christina L. Burrows³, Dawn Neumann⁴, Michael W. Williams²
¹West Virginia University, Morgantown, WV, USA. ²University of Houston, Houston, TX, USA. ³UTHealth Houston, Houston, TX, USA. ⁴JFK Johnson Rehabilitation Institute, Edison, NJ, USA

P5-72 Moderators of the Relationship Between Childhood Adversity and Post-Concussive Symptoms in Adults
Grace J Goodwin¹, Jennifer K Hoots², Nathan Cook³, W. Curt LaFrance Jr.², Ryan Van Patten⁴
¹The Warren Alpert Medical School of Brown University, Providence, RI, USA. ²VA Providence, Providence, RI, USA. ³University of Rhode Island, South Kingstown,

RI, USA. 4Department of Psychiatry and Human Behavior, Brown University, Providence, RI, USA

P5-73 Functional Memory Concerns in an Online Sample
Jennifer K. Hoots^{1,2}, Lawrence Chan^{1,2}, Nathan Cook^{3,4}, W. Curt LaFrance^{1,2}, Ryan Van Patten^{1,2}
¹Brown University, Providence, RI, USA. ²Providence VA Medical Center, Providence, RI, USA. ³The University of Rhode Island, Kingston, RI, USA. ⁴Harvard Medical School, Boston, MA, USA

P5-74 Exploring the Relationships Between Childhood Trauma and Subjective Attention-Deficit Hyperactivity Disorder Symptom Reporting in Young Adult Patients Referred for Attention-Deficit Hyperactivity Disorder Diagnostic Evaluation
Kellye Winbush Fairley¹, Hailey Kinzer², Neil H. Pliskin³, Kyle J. Jennette³, Woojin Song³, Brian M. Cerny³, Malorie E. Watson³, Jason R. Soble³, Matthew S. Phillips³
¹Roosevelt University, Chicago, IL, USA. ²Wheaton University, Wheaton, IL, USA. ³University of Illinois at Chicago, Chicago, IL, USA

P5-75 From Testing to Understanding: What is the Value of Neuropsychological Assessment in Non-Epileptic Attack Disorder?
Olivia Nathan¹, Sallie Baxendale²
¹University College Hospital London, London, London, United Kingdom. ²UCL Queen Square Institute of Neurology, London, London, United Kingdom

P5-76 Glial Cell Contributions to Post-Chemotherapy Cognitive Impairment in Adult Non-CNS Cancer Survivors: A Systematic Review
Adil Khan Zhanatun¹, Norah Tabsh¹, Paul Lewis^{2,1}
¹Columbia University, New York, NY, USA. ²UCLA, Los Angeles, CA, USA

P5-77 Diagnostic Latency in Multiple Sclerosis: Exploring the Influence of Social Determinants and Race on Clinical Presentation
Alexis Ambeau, PhD, Bern Lee, PhD, Sakshi Sharma, Emily Brickell, PsyD, Bridget Bagert, MD
Ochsner Clinic Foundation, New Orleans, Louisiana, USA

P5-78 Resting-State Network Modularity Correlates with Disease Duration in Ambulatory Older Adults with Multiple Sclerosis
Ana Eustace¹, Siddharth Nayak², Mark Wagshul³, Roee Holtzer^{1,2}
¹Ferkauf Graduate School of Psychology, Yeshiva University, Bronx, NY, USA. ²Department of Neurology, Albert Einstein College of Medicine, Bronx, NY, USA. ³Gruss Magnetic Resonance Research Center, Albert Einstein College of Medicine, Bronx, NY, USA

P5-79 Neurocognitive Correlates of Multiple

Chemical Sensitivity in Gulf War Veterans
Andrew Best¹, Swati Sharma¹, Natalie Targ¹, Bang-bon Koo², Rosemary Toomey³, Emily Quinn¹, Kimberly Sullivan¹
¹Boston University School of Public Health, Boston, MA, USA. ²Boston University School of Medicine, Boston, MA, USA. ³Boston University, Boston, MA, USA

P5-80 Efficacy of Computerized Cognitive Rehabilitation Programs in Multiple Sclerosis: a Meta-Analysis
Daksha Nair¹, Pranathi Bammidi¹, Yingfei Tang¹, Kathryn Marton¹, Jasdeep Hundal², Vikram Bhise¹, Michelle H. Chen¹
¹Rutgers University, New Brunswick, NJ, USA. ²Jersey Shore University Medical Center, Neptune Township, NJ, USA

P5-81 Title: Exploring the Neuropsychological Profiles of Amyotrophic Lateral Sclerosis: Case Studies.
Emily H Kim, Hannah M Klein, Leah Sutton, Maria Loizos, Jane Martin
Icahn School of Medicine at Mount Sinai, New York, NY, USA

P5-82 Neuropsychological Features of Patients with Early Rare Cerebrovascular Disorders
Griffin B Katz¹, Angela C Summers¹, Catherine Liu¹, Sarah Cheng¹, Sharon Osgood², Sherrell Apugo², Jayson Grey², Alessandra Brofferio², Ecem Sevim², Elisa A Ferrante², Yogendra Kanthi², Manfred Boehm², Joseph Snow¹
¹National Institute of Mental Health, Bethesda, Maryland, USA. ²National Heart Lung and Blood Institute, Bethesda, Maryland, USA

P5-83 Factors that Impact Perceived Social Support in Older Adults With and Without Multiple Sclerosis
Hannah R Cohen¹, Roee Holtzer²
¹Ferkauf Graduate School of Psychology, Yeshiva University, Bronx, New York, USA. ²Department of Neurology, Albert Einstein College of Medicine, Bronx, New York, USA

P5-84 Perceived Pain and its Association with Physical Functioning in Older Adults with and Without Multiple Sclerosis
Hannah Hoff¹, Roee Holtzer^{1,2}
¹Ferkauf Graduate School of Psychology, Yeshiva University, Bronx, NY, USA. ²Department of Neurology, Albert Einstein College of Medicine, Bronx, NY, USA

P5-85 Glymphatic System Function and Cognitive Impairment in Relapsing-Remitting Multiple Sclerosis
Morgen Crosby¹, Micaela Andreo¹, Dinesh Sivakolundu^{2,3}, Saranya Patel⁴, Bart Rypma¹
¹University of Texas at Dallas, Dallas, TX, USA. ²Weill Cornell Medical College, New York City, NY, USA. ³MS and Neuromuscular Center of Excellence, Tampa, FL, USA. ⁴OneRehab, Dallas, TX, USA

P5-86 Depression and anxiety among women with multiple sclerosis: The predictive role of personality over social support

Nidhi Pusapati, Lauren B Strober
Kessler Foundation, East Hanover, NJ, USA

P5-87 Neuropsychological Testing Mirrors Lesion Lateralization in Rare Case of Adult-Onset Acute Disseminated Encephalomyelitis (ADEM)
Raquel L Borg, Lillian S Vang, Pooja Venugopal, Alexandra Lang, Madison Messina, Alejandro Ruelas-Mora, Sarah Paglini, Rayna B Hirst
Palo Alto University, Palo Alto, CA, USA

P5-88 Subcortical Neural Substrates of Dual-Task Walking in Older Adults With and Without Multiple Sclerosis
Sarah E Cote¹, Mark Wagshul², Roe Holtzer^{1,2}
¹Yeshiva University, Bronx, NY, USA. ²Albert Einstein College of Medicine, Bronx, NY, USA

P5-89 Neuropsychological Outcomes in Two-Year-Olds with Cerebral Palsy
Shiyuan Chen^{1,2}, Tristin Nyman-Mallis¹, Lauren E. Miller¹, Katherine Carlton¹, Jennifer I. Koop¹, Amy K. Heffelfinger¹
¹Medical College of Wisconsin, Milwaukee, WI, USA. ²Northern Illinois University, DeKalb, IL, USA

P5-01 Colloid Cysts at the Brain-Behavior Interface: Neuropsychiatric, Neurodevelopmental, Cognitive, and Perceptual Manifestations
Chair
Heidi Bender
Weill Cornell Medicine, New York, NY, USA
Discussant (Optional)
Summary Abstract
Colloid cysts (CCs) are rare, benign, intraventricular lesions most often located in the anterior third ventricle near the foramen of Monro, where they can obstruct cerebrospinal fluid flow and subsequently lead to hydrocephalus. Comparatively little is known about the broader, neuropsychiatric, neurodevelopmental, and neurocognitive sequelae associated with CCs, despite their potentially shared presentations with more common, functionally similar diagnoses, such as obstructive hydrocephalus secondary to other masses (i.e. central neurocytoma or subependymoma), third ventricular lesions, or ependymal cyst. This symposium presents novel preoperative data from patients with colloid cysts at New York-Presbyterian/Weill Cornell Medical Center. The findings presented in this symposium emphasize that colloid cyst should be managed not only from a neurosurgical perspective but also as lesions that may have broader neurobehavioral and neuropsychiatric implications, such as increased prevalence of mood disorders long before their radiologic diagnosis. Additionally, we present novel data exploring the potential causal role of colloid cyst — believed to be congenital and progressive over time — in the markedly increased likelihood of a diagnosis of a developmental attentional disorder, such as Attention-Deficit/Hyperactivity Disorder (ADHD). We highlight the discrepancies

between patients' self-reported memory and language abilities and their objectively measured preoperative performance on neuropsychological metrics. We posit that this diminished self-awareness or anosognosia may result from distortion or compression of connections between the medial frontal cortex and the limbic system, which are adjacent to the typical location of colloid cysts. Lastly, we present a novel investigation that documents the emergence of Alice in Wonderland Syndrome (AIWS) in CC patients, framing these rare, perceptual disturbances within a broader neural network model. The integration of prevalence-based analyses with detailed case-level observations presented in this symposium underscores the complex neurocognitive and neuropsychiatric sequelae of CCs. These include preoperative vulnerabilities (i.e., increased premorbid diagnoses of mood disorders and ADHD), discrepancies during the preoperative assessment (i.e., discordance between subjective symptoms report and objective neuropsychological performance), and a unique postoperative phenomenon, such as AIWS. Collectively, these findings underscore the importance of an interdisciplinary approach to the care of patients with colloid cysts. The presenters include Dr. Andrew D. Lokai, Ph.D. (Department of Neurological Surgery, Weill Cornell Medicine), Ms. Ara Nazmiyal, MPhil (Teachers College, Columbia University & Department of Neurological Surgery, Weill Cornell Medicine), Ms. Evita Conway, M.A. (Fairleigh Dickinson University & Department of Neurological Surgery, Weill Cornell Medicine), Ms. Sofia Magee, M.A. (William Paterson University & Department of Neurological Surgery, Weill Cornell Medicine), and Ms. Chen Tiferet-Dweck, M.A. (City University of New York & Department of Neurological Surgery, Weill Cornell Medicine). The symposium will be chaired by Dr. H. Allison Bender, Ph.D., ABPP-CN (Department of Neurological Surgery, Weill Cornell Medicine) who will act as Discussant.

Keyword 1

neurocognition

Keyword 2

attention-deficit hyperactivity disorder

Keyword 3

mood disorders

P5-02 Neuropsychiatric Manifestations of Colloid Cysts Among Pre-Operative Patients

Sofia Magee^{1,2}, Ara Nazmiyal^{1,3}, Chen Tiferet-Dweck^{1,4}, Heidi Bender¹, Mark Souweidane¹, Umberto Tosi¹, Mohammed Fouda¹

¹Weill Cornell Medicine, New York, NY, USA. ²William Paterson University, Wayne, NJ, USA. ³Teachers College, Columbia University, New York, NY, USA. ⁴City University of New York, New York, NY, USA

P5-03 Colloid Cysts and Early Neurobehavioral Symptoms: A Possible Link to ADHD

Ara Nazmiyal^{1,2}, Sofia Magee^{1,3}, Chen Tiferet-

Dweck4,1, Heidi Bender1, Mark Souweidane1, Umberto Tosi1, Mohammed Fouda1
1Weill Cornell Medicine, New York, NY, USA. 2Teachers College, Columbia University, New York, NY, USA. 3William Patterson University, Wayne, NJ, USA. 4City University of New York, New York, NY, USA

P5-04 Discrepancies Between Perceived Cognitive Functioning and Neuropsychological Deficits in High Functioning Individuals with Colloid Cyst: A Case Series
Andrew Lokai, Heidi Bender, Mark Souweidane, Umberto Tosi, Mohammed Fouda
Weill Cornell Medicine, New York, NY, USA

P5-05 Alice In Wonderland Syndrome Presentations in Colloid Cyst Patients
Evita Conway1,2, Heidi Bender1, Mark Souweidane1, Umberto Tosi1, Mohammed Fouda1
1Weill Cornell Medicine, New York, NY, USA. 2Fairleigh Dickinson University, Teaneck, NJ, USA

Plenary C: Clinical Virtual Reality: A Brief Review of the Future
17:30 - 18:30 Thursday, 5th February, 2026
Location: Grand Ballroom / Salon E
Presentation type Plenary
Speaker:
Albert "Skip" Rizzo, PhD

Introduction:

CE: 1 Hour
Level of Instruction: Intermediate

1068 Clinical Virtual Reality: A Brief Review of the Future

SLC Trainee Social
19:00 - 21:00 Thursday, 5th February, 2026
Location: TBA
Join your fellow trainees for our annual Student Liaison Committee (SLC) Trainee Social! This event is a great opportunity to meet and mingle with INS trainee members from around the globe. Attendees will also have the chance to learn more about organizations with active trainee membership. Light refreshments will be provided.

CE Workshop 09: Neuromodulation for Major Depression: Clinical Progress and Cognitive Outcomes
07:00 - 08:50 Friday, 6th February, 2026
Location: Salon I (Level 5)
Presentation type CE Workshop (Pre-Registration Required)
Introduction:
Alexandru Iordan, PhD

Speakers:
Jean-Phillipe Miron, MD, PhD
CE: 1.5 Hours

Level of Instruction: Advanced

*This workshop includes a continental breakfast from 7:00-7:15. The session begins promptly at 7:20am.

1064 Neuromodulation for Major Depression: Clinical Progress and Cognitive Outcomes

CE Workshop 10: Mind the Gap: Bridging Culture and Cognition in Neuropsychological Assessment
07:00 - 08:50 Friday, 6th February, 2026
Location: Salon K (Level 5)
Presentation type CE Workshop (Pre-Registration Required)
Introduction:
Annalise Rahman-Filipiak, PhD

Speakers:
Aparna Dutt, MSc, PhD
Tedd Judd, BA, PhD
Jonathan Evans, BSc (Hons), Dip. Clin. Psychol., PhD, FBPSS.

CE: 1.5 Hours
Level of Instruction: Intermediate

*This workshop includes a continental breakfast from 7:00-7:15. The session begins promptly at 7:20am.

1084 Mind the Gap: Bridging Culture and Cognition in Neuropsychological Assessment

Annual Mentoring Event
07:30 - 09:00 Friday, 6th February, 2026
Location: Franklin Hall 1-2
Presentation type INS Event
What: Small group discussions with neuropsychology mentors about a variety of topics!

Who: We invite students, trainees, research assistants/ coordinators and junior scientists to attend. Mentors include clinical or experimental neuropsychologists, former INS presidents, post-doctoral fellows, and PhD Students

Where: Franklin Hall Rooms 1-2

RSVP: [HERE](#).

Plenary D: Redefining the Field: Community-Engaged Research as a Catalyst for Neuropsychological Innovation
09:00 - 10:00 Friday, 6th February, 2026
Location: Grand Ballroom / Salon E
Presentation type Plenary
Speaker:
Mónica Rivera Mindt, PhD

Introduction:

CE: 1 Hour

Level of Instruction: Intermediate

1114 Redefining the Field: Community-Engaged Research as a Catalyst for Neuropsychological Innovation

Exhibits Open

09:30 - 12:45 Friday, 6th February, 2026

Location: Franklin Hall B (Level 4)

Presentation type Exhibitors & Sponsors

Coffee Break

10:00 - 10:15 Friday, 6th February, 2026

Location: Franklin Hall B (Level 4)

Presentation type Other

Poster 06: Assessment and Psychometrics Across the Lifespan

10:00 - 11:15 Friday, 6th February, 2026

Location: Franklin Hall B (Level 4)

Presentation type Poster Session

This session includes a poster symposium and posters. Scroll down to view all poster presentations and assigned poster board numbers.

Poster symposia are presented as regular posters, but are grouped together to allow their presenters to have a cohesive discussion with interested viewers.

P6-06 The Harm of Social Media Misinformation: Extension to Neuropsychological Test Responses
Adrienne Jankowski, Taylor D Lambertus, Rachel Jackson, Julie A Suhr
Ohio University, Athens, OH, USA

P6-07 Differences in WRAT Word Reading Scores Based on Education
Ahrianna Keefe¹, Aubrey Farrow², Lindsey Jorda³, Amaya Aranda³, Marissa Gogniat³, Natalie Sherry^{4,5}
¹Chatham University, Pittsburgh, PA, USA. ²Department of Neurological Surgery, University of Pittsburgh Medical Center, Pittsburgh, PA, USA. ³Department of Neurology, University of Pittsburgh, Pittsburgh, PA, USA. ⁴Department of Neurological Surgery, University of Pittsburgh Medical Center, Pittsburgh, PA, USA. ⁵Department of Neurological Surgery, University of Pittsburgh, Pittsburgh, PA, USA

P6-08 Psychometric Evaluation of Two-Point Scoring and Short Form Variants of the Judgment of Line Orientation Test
Andrew C Hale^{1,2}, Robert J Spencer^{1,2}, Felicia C Goldstein³, James J Lah³, David W Loring³
¹VA Ann Arbor Healthcare System, Ann Arbor, MI, USA. ²University of Michigan, Ann Arbor, MI, USA. ³Emory University School of Medicine, Atlanta, GA, USA

P6-09 The Pizza Pie Test: Further Validation as an Alternative to the Clock Drawing Test in a Large Clinical Sample
Aspen Martin, Jamie Karns, Marly Suesserman, Nicole Feirsen, Bryan Freilich
Montefiore Medical Center/Albert Einstein College of Medicine, Bronx, NY, USA

P6-10 Evaluating the Mountains and Valleys Pattern (MVP) as a Measure of Performance Validity in Clinical Care
Aubrey L Farrow¹, Eric Haas², Kenneth Goldberg³, Luke Henry^{1,4}, Natalie Sherry^{1,4}
¹Department of Neurological Surgery, University of Pittsburgh Medical Center, Pittsburgh, PA, USA. ²Department of Behavioral Health, Christiana Care, Wilmington, DE, USA. ³Institute for Graduate Clinical Psychology, Widener University, Chester, PA, USA. ⁴Department of Neurological Surgery, University of Pittsburgh, Pittsburgh, PA, USA

P6-11 Neurocognitive Profile of Late Life Hoarding Disorder Using the NIH Toolbox Cognition Battery as an In-Home Assessment
Branden Schaff, Mary Dozier
Mississippi State University, Mississippi, Starkville, USA

P6-12 Into the Multiverse: Applications to Neuropsychology
C. Lexi Baird, Hollie A.C. Mullin, Frank G. Hillary
Penn State, State College, PA, USA

P6-13 Performance on the Clock Drawing Test in a Young Adult, College Population
Caitlin C Dougher, Stella Haralambou, Kayri Bartolotta, Hasib Mia, Lucy Kochman-Sabbatino, Molly Zimmerman
Fordham University, Bronx, New York, USA

P6-14 Impact of Insomnia on Performance Validity Tests
Christine M. Bushell, Melissa A. Myers, Robert M. Roth, Grant G. Moncrief
Dartmouth Hitchcock Medical Center, Lebanon, NH, USA

P6-15 Do Descriptive Labels of Cognitive Performance Influence Perceived Need for Academic Accommodations?
Daniel Schlehofer, Kylee Bernel, Julie Suhr
Ohio University, Athens, Ohio, USA

P6-16 Relationship Between Substance Use, Adverse Childhood Experiences, and Cognitive Performance Among Adults Referred for ADHD Evaluation
Eddie P Caumiant^{1,2}, Jesse Gamoran^{3,2}, Matthew S Phillips², Brian M Cerny², Malorie E Watson², Woojin Song², Kyle J Jennette², Neil H Pliskin², Jason R Soble²
¹University of Illinois, Urbana-Champaign, IL, USA. ²University of Illinois, Chicago, IL, USA. ³DePaul University, Chicago, IL, USA

P6-17 The Prospective and Retrospective Memory

Questionnaire: A Measure of Memory or Mood?
Stacey Lipio Brothers, Emma Corbett, Hillary A Parker, Joshua T Fox-Fuller, Christi L Trask
Ohio State University Wexner Medical Center
Department of Psychiatry, Columbus, OH, USA

P6-18 The Impact of Stress on Objective Cognitive Functioning and Subjective Mood Complaints Among Adults with ADHD
Evan P Fisher¹, Alex Q Combs¹, Megan Wintrode¹, Jason R Soble²
¹The Chicago School, Chicago, IL, USA. ²University of Illinois-Chicago, Chicago, IL, USA

P6-19 Cognitive Screening in Older Autistic Adults: Evaluating the Performance of the RUDAS
Freddie O'Donald^{1,2}, Clara Calia¹
¹University of Edinburgh, Edinburgh, United Kingdom. ²NHS Tayside, Dundee, United Kingdom

P6-20 From Limitations to Innovation: Rethinking Rapid Naming Assessment for Bilingual Populations
Giselle Carollo-DuPrey¹, Idalhi Barnes Marrero², Janice C. Marceaux¹, Karin J. M. McCoy¹
¹South Texas Veterans Health Care System, San Antonio, TX, USA. ²Orlando Veterans Health Care System, Orlando, FL, USA

P6-21 Does Level of Cognitive Impairment Influence the Relationship Between Tests of Executive Functioning in a Mixed Neuropsychiatric Sample?
Greg Shapiro, Nevin A Orleans, Luke G Petry, Matthew S Phillips, Brian M Cerny, Malorie E Watson, Woojin Song, Kyle J Jennette, Neil H Pliskin, Jason R Soble
University of Illinois Chicago, Chicago, IL, USA

P6-22 The Effect of Circadian Misalignment on Cognitive Performance Based on Chronotype and Test Timing in College Students
Hasib Mia¹, Caitlin C. Dougher¹, Theresa Lin¹, Kayri K. Bartolotta¹, Stella Haralambou¹, Malorie E. Watson^{2,1}, Molly E. Zimmerman¹
¹Fordham University, Bronx, NY, USA. ²University of Illinois, Chicago, IL, USA

P6-23 Getting Off Track: Correlational Tractography of White Matter Integrity and Cognitive Intra-Individual Variability in Older Hispanic Adults
Ivan A Campbell, Bailey Wagaman, Katherine Hernandez, Adan Ton Loy, Sydney Sullivan, Celeste Reames, Vasilios Ikononou, Benjamin Hill
University of South Alabama, Mobile, Alabama, USA

P6-24 Utilization of Machine Learning Methods to Differentiate Pseudodementia from Alzheimer's Disease with Comorbid Depression
Jakob Thorn^{1,2}, Kailyn Bare^{3,2}, Brianna

Schmidt¹, Kallie Liming¹
¹Mercer University, Atlanta, Georgia, USA. ²The University of Oklahoma, Oklahoma City, Oklahoma, USA. ³DePaul University, Chicago, Illinois, USA

P6-25 Relationship Type and Cohabitation Status Influence Subjective Informant Reports of Daily Functioning in Aging Asian American Adults
Jennifer Lozano, Claudine Lim Oliva, Ezekiel Hernandez, Sage Yosick, Jasmine Grovner, Lisa V. Graves
California State University San Marcos, San Marcos, CA, USA

P6-26 Predicting Cognitive Changes Post Deep Brain Stimulation Implantation in Parkinson's Disease
Joshua Finney, Jennifer Kleiner, Hannah Schweitzer, Whitney Allen, Anna Claire Franklin, Hilary Clark, Jonah Newsom, Cierra Daniels, Jennifer Gess, Lee Isaac
University of Arkansas Medical for Science, Little Rock, Arkansas, USA

P6-27 Assessing Functional Abilities in a Memory Disorder Population: A Comparison of Self-Report, Informant-Report, and Performance-Based Measures
Kevin A Murray¹, Scott A Gustafson¹, Anthony P LoGalbo²
¹Florida Institute of Technology, Melbourne, Florida, USA. ²Health First Memory Disorder Clinic, Melbourne, Florida, USA

P6-28 That Sounds Familiar: Examining Subtle Age-Related Changes in Recognition Memory
Kristine C Dell^{1,2}, Francesca V Lopez^{1,2}, McKenna E Williams², William C Walker³, Lisa V Graves⁴, Amy J Jak^{1,2}
¹Jennifer Moreno-VA San Diego Healthcare System, San Diego, CA, USA. ²University of California-San Diego, San Diego, CA, USA. ³Virginia Commonwealth University, Richmond, VA, USA. ⁴California State University-San Marcos, San Marcos, CA, USA

P6-29 Correlation Between Etiology and Pareidolia in Older Adults
Laureen Gathinji, Amy Werry-McFarlin
UT Health San Antonio, San Antonio, TX, USA

P6-30 Global Cortical Thickness, White matter hyperintensities, and Cognitive Functioning
Lauren G Santos, Stella M Garriga, Natalia R Menendez, Franchesca Arias
University of Florida, Gainesville, FL, USA

P6-31 The Queen Square Cognitive Assessment Screen (Q-CAS) - Validation in Stroke and Innovative Machine Learning Method for Using Normative Data.
Edgar Chan^{1,2}, Andre Paula³, Maria del Rocio Hidalgo Mas³, Adrian So³, David Werring³, Parashkev Nachev¹, Lisa Cipolotti^{1,2}
¹UCL, London, London, United Kingdom. ²UCLH, London,

United Kingdom. 3UCL, London, United Kingdom

P6-32 An Evidence-Based Assessment Approach to Identifying ADHD Subtypes With the BRIEF2A
Maegan D. Sady¹, Peter K. Isquith², Adam P. Barrett-Clarke³, Robert M. Roth⁴, Gerard A. Gioia^{5,6}
¹PAR, Inc., Washington, DC, USA. ²Boston Children's Hospital, Boston, MA, USA. ³PAR, Inc., Lutz, FL, USA. ⁴Geisel School of Medicine at Dartmouth, Hanover, NH, USA. ⁵Children's National Hospital, Rockville, MD, USA. ⁶George Washington University School of Medicine & Health Sciences, Washington, DC, USA

P6-33 Does Objectively Measured Sleep Moderate the Relationship Between Personality and Neuropsychological Functioning in Healthy College Students?
Malorie E Watson^{1,2}, Caitlin C Dougher¹, Molly E Zimmerman¹
¹Fordham University, Bronx, NY, USA. ²University of Illinois Chicago College of Medicine, Chicago, IL, USA

P6-34 Video-Based Tests and Stimuli Banks for the Assessment of Social Inference Processes in the Adult Population: A Scoping Review
Marie-Anne St-Georges¹, Emily Drake², Chiara Tripodi³, Carrie Forbes², Elisa Canu³, Kathrin Rothermich², Maxime Montembeault⁴
¹Université de Montréal, Montréal, Canada. ²East Carolina University, Greenville, North Carolina, USA. ³IRCCS San Raffaele Scientific Institute, Milan, Italy. ⁴McGill University, Montréal, Canada

P6-35 Prediction of Baseline and Postoperative Change in Verbal Episodic Memory from Learning Characteristics in Patients with Glioma Undergoing Awake Craniotomy
Marion Mochache, Mariana Bradshaw, Sujit Prabhu, Jeffrey Wefel, Kyle Noll
The University of Texas MD Anderson Cancer Center, Houston, Texas, USA

P6-36 Invalid Performance Validity Testing is Associated with Lower Test of Premorbid Functioning Scores
Melissa A Myers, Christine M Bushell, Grant G Moncrief, Robert M Roth
Dartmouth Health, Lebanon, NH, USA

P6-37 Examining Race and Education on the Cognitive Bias Scale in a Safety Net Hospital Setting: A Cross Validation Study
Minh Thy Nguyen¹, Josh Durfee¹, Jennifer Peraza^{1,2}
¹Denver Health, Denver, Colorado, USA. ²University of Colorado School of Medicine, Aurora, Colorado, USA

P6-38 Quantifying Diagnostic Uncertainty in Clinical Neuropsychology: Trail Making Test Performance
Morgen Crosby¹, Tricia Favre², Jacky Flair³, Saranya Patel²
¹University of Texas at Dallas, Dallas, TX,

USA. ²OneRehab, Dallas, TX, USA. ³Johnson Neuropsychology, Lewisville, TX, USA

P6-39 Exploring the clinical utility of incidental source memory intrusion in delayed free recall: the role of executive functioning
Nevin A. Orleans^{1,2}, Quincey Pawlikoski^{3,2}, Concetta Anemone^{4,2}, Prabsimarn Kaur^{4,2}, Alfonsina aorosi^{2@uic.edu}, Orosito², Kyle Jennette²
¹Pennsylvania State University, University Park, Pennsylvania, USA. ²University of Illinois Chicago, Chicago, Illinois, USA. ³University of Tennessee, Knoxville, Tennessee, USA. ⁴Dominican University, River Forest, Illinois, USA

P6-40 Readability of Neuropsychological Evaluation Reports in a Training Clinic Across Time
Nicole A Praska, Kyle Hatcher, Rachel E Thayer
University of Colorado, Colorado Springs, Colorado Springs, Colorado, USA

P6-41 Comparison of the BrainCheck Standard Battery to the Montreal Cognitive Assessment in a Memory Clinic Sample
Nusha Kheradbin¹, Bonnie Scott¹, Jared Bengel¹, Robin Hilsabeck²
¹University of Texas Dell Medical School, Austin, Texas, USA. ²University of Texas Health Science Center San Antonio, San Antonio, Texas, USA

P6-42 Exploring the Relationship Between Suboptimal Effort and Poor Attention Within the Rey Complex Figure Test
Omar Assaly¹, Julie Williams¹, Scott Magnuson², Samantha Sanderson Brown³, Tyler Ramsey¹
¹Wright State University, Dayton, Ohio, USA. ²OhioHealth, Columbus, OH, USA. ³Beyond Sport Psychology, Broomfield, CO, USA

P6-43 Can the detection of cognitive deficits depend on the test used? Differences in processing speed in adults with sickle cell disease: Role of educational background.
Hugo Bismuth¹, Clara Jarzaguet², Pablo Bartolucci³, David Calvet^{1,4}, Pauline Narme²
¹Department of Neurology, GHU Paris Psychiatrie et Neurosciences, Université Paris Cité, Paris, France. ²Laboratoire Mémoire Cerveau et Cognition, Université Paris Cité, Boulogne-Billancourt, France. ³Referral Center for Sickle Cell Disease and red Blood Cell Disorders, UMGGP, Paris Est Créteil Université, IMRB, INSERM U955, Créteil, France. ⁴Université Paris Cité, Institut de Psychiatrie et Neurosciences of Paris, INSERM U1266, Paris, France

P6-44 The Impact of Anxiety and Depression on CPT3 Performance
Samantha T Mengwasser, Laura M McGuigan, Nicole J Eng, James B Hoelzle
Marquette University, Milwaukee, WI, USA

P6-45 Development and Validation of the Vegas Odds Test (VOT)
Samantha T Mengwasser¹, James B Hoelzle¹, David Mara², Eben Schwartz³
¹Marquette University, Milwaukee, WI, USA. ²VA Boston Healthcare System, Boston, MA, USA. ³University of Wisconsin-Madison, Madison, WI, USA

P6-46 Development of a Short Form of the Memory for Intentions Test
Sarah A Raskin^{1,2}, Maria Mathew¹, Cassandra Cronin¹, Navya Arora¹, James Jacob¹, Adriana Laureano Mercado^{1,3}
¹Trinity College Neuroscience Program, Hartford, CT, USA. ²Trinity College Department of Psychology, Hartford, CT, USA. ³Department of Psychology, University of Hartford, Hartford, CT, USA

P6-47 Longitudinal Associations Between Speed of Processing Performance on Tasks of Cognition and Everyday Functioning Among Older Adults: Ten-Year Findings from the Advanced Cognitive Training for Independent and Vital Elderly Study
Seth M Sangalang, Jennifer Hunter M Hunter, Marcus Perez, Jill Razani
California State University, Northridge, Northridge, California, USA

P6-48 What is "Normal" Cognitive Aging? Normative Data From Biomarker-Free Older Adults Appear More Sensitive Than Traditional Normative Data
Sophie Slyman¹, Claire Pardo¹, Kenneth Petscavage^{1,2}, Jonathan Reader², Arijit Bhaumik², Robert J. Spencer³, Judith Heidebrink², Henry Paulson², Bruno Giordani², Kelly DuBois⁴, Nicholas Kaanan⁴, Alexandru Iordan¹, Benjamin M Hampstead^{1,3,2}
¹Research Program on Cognition and Neuromodulation Interventions, Departments of Psychiatry and Neurology, University of Michigan Medical School, Ann Arbor, MI, USA. ²Michigan Alzheimer's Disease Research Center, University of Michigan Medical School, Ann Arbor, MI, USA. ³Mental Health Service, VA Ann Arbor Healthcare System, Ann Arbor, MI, USA. ⁴Department of Translational Neuroscience, College of Human Medicine, Michigan State University, Grand Rapids, MI, USA

P6-49 Anxiety, Depression, and Attention/Deficit Hyperactivity Disorder Diagnosis as Predictors of Processing Speed Performance
Sydney Burton^{1,2}, Maria Pleshkevich^{1,3}, Robiann Broomfield¹, Gabriela Castro^{1,2}, Alyssa Gill^{1,2}, Matthew Jerram³, Setari Parsa¹
¹Harvard Medical School, Boston, MA, USA. ²William James College, Newton, MA, USA. ³Suffolk University, Boston, MA, USA

P6-50 TOPF Utility in a Public Hospital Sample: A Replication Study

Tanya I. Diaz, Christopher Pierce
Denver Health, Denver, CO, USA

P6-51 Repeatable Battery for the Assessment of Neuropsychological Status Executive Errors Scale: Ability to Discriminate between Patterns of Cognitive Impairment
Taylor D Lambertus, Adrienne Jankowski, Julie A Suhr
Ohio University, Athens, OH, USA

P6-52 Are you Smarter than a Neuro Report? Identifying Discrepancies Between Patient Grade Level and Neuropsychological Assessment Reports
Tiana Broen, Elizabeth Anquillare, Caleb Moyer, Rachel E. Thayer
University of Colorado Colorado Springs, Colorado Springs, Colorado, USA

P6-53 Comparing Subjective and Objective Executive Function Measures in Adults with ADHD-Like Symptoms
Ethna Rehill, Unai Diaz-Orueta
Maynooth University, Maynooth, County Kildare, Ireland

P6-54 Preliminary Examination of Variability in Pre- and Post-Neuropsychological Performance in Awake Craniotomy Patients
Vasilios C Ikonomou^{1,2}, Holly E Phelps¹, Sundapreet Aulakh¹, Sanjay Bhatia¹, Jonathan Sherman¹, Robert Marsh¹, Benjamin D Hill², David M Scarisbrick^{3,1}
¹West Virginia University School of Medicine Rockefeller Neuroscience Institute, Morgantown, WV, USA. ²University of South Alabama, Mobile, AL, USA. ³Rutgers University – Robert Wood Johnson Medical School, Department of Neurosurgery, New Brunswick, NJ, USA

P6-55 Neuroinflammation and Verbal Memory Performance: CD40 Ligand Predicts Learning and Recall Independent of Depressive Symptoms
William J Tanguy^{1,2}, Tala Khatcherian^{1,2}, Jennifer Keller¹
¹Stanford University, Palo Alto, CA, USA. ²Palo Alto University, Palo Alto, CA, USA

P6-56 Comparison of Failure Rates on the MENT to Traditional PVTs in an International Sample of Workers' Compensation Claimants
Adan F Ton Loy¹, Brock Renicks¹, Daisha Thomas², Katherine Hernandez¹, Bailey Wagaman¹, Sydney C Sullivan¹, Ivan Campbell¹, Vasilios C Ikonomou¹, Celeste M Reames¹, Benjamin D Hill¹
¹University of South Alabama, Mobile, AL, USA. ²University of Alabama, Tuscaloosa, AL, USA

P6-57 Performance and Symptom Validity Test Concordance Rates in Veterans
Esther Fiore¹, Lina Lee¹, Michael Daniel¹, Paul Michael¹, Meghan Callahan²
¹Pacific University, Hillsboro, OR, USA. ²Trailhead Neuropsychology, Portland, OR, USA

P6-58 Moderate Symptoms of Anxiety Influences McCaul Suggested Dot Counting Test Cut-Off Score
Jéssica V Bautista Martínez¹, Andrea Vargas Ramirez², Paulina N. Arévalo Torres³, Raymundo Cervantes⁴, Krissy E. Smith⁵, Sara P. González Flores¹, María I. del Villar Basauri², Armando Acuña Rodríguez¹, Daniel Walter López Hernández⁴
1Tecnológico de Monterrey, Monterrey, Nuevo León, Mexico. 2Universidad de Monterrey, Monterrey, Nuevo León, Mexico. 3Tecnológico de Monterrey, Guadalajara, Jalisco, Mexico. 4Alliant International University, Alhambra, California, USA. 5CSU Dominguez Hills, Carson, California, USA

P6-59 To Catch a Thief: An Evaluation of Agreement Between Four TOMM Scoring Methods in an International Compensation-Seeking Sample
Katherine Hernandez¹, Adan Ton-Loy¹, Bailey Wagaman¹, Vasilios Ikonomou², Ivan Campbell¹, Celeste Reames¹, Benjamin D. Hill¹
1University of South Alabama, Mobile, AL, USA. 2West Virginia University School of Medicine, Morgantown, WV, USA

P6-60 Applying the Administration Rules for the First 10 Items of the Test of Memory Malinger (TOMMe10) Improves TOMM Efficiency
Tyler B. Benjamin^{1,2}, Robert J. Spencer^{1,2}, Andrew C. Hale^{1,2}
1VA Ann Arbor Healthcare System, Ann Arbor, Michigan, USA. 2University of Michigan, Ann Arbor, Michigan, USA

P6-61 Cross-Cultural Validation of the Digit Span-Derived Embedded Validity Indicators in a Clinical-Forensic Sample
Yoram C. Braw^{1,2}, Yuval Shapira¹, Dor Parizer¹
1Ariel University, Ariel, Israel. 2The Neuropsychological Institute, Tel Aviv, Israel

P6-62 A Bayesian approach to effort estimation with rule-breaking behavior
Alejandro Ruelas-Mora, Daniel Baldini, Elaheh Salari, Rayna B. Hirst
Palo Alto University, Palo Alto, CA, USA

P6-63 A Bayesian approach to the cognitive cost of rule-breaking behaviors.
Alejandro Ruelas-Mora, Daniel Baldini, Elaheh Salari, Rayna B. Hirst
Palo Alto University, Palo Alto, CA, USA

P6-64 Floors in Forensics: Replicating & Exploring the Delis-Kaplan Executive Function System Trail-Making Test Floor Effect in Juvenile Justice Involved Youth
Alexandra C. Bammel, Adam T. Schmidt
Texas Tech University, Lubbock, Texas, USA

P6-65 A Monocentric Retrospective Study of Behavioral, Emotional, and Cognitive Observations

– Longitudinal Trajectories in a Cross-COVID-19 Cohort of Children and Adolescents
Angelica Marfoli¹, Elisa Marconi¹, Federica Moriconi¹, Laura Monti¹, Luca Liberati¹, Valentina Delle Donne¹, Giovanni Dall'Olio¹, Giulia Settimi¹, Daniela Pia Rosaria Chieffo^{1,2}
1Clinical Psychology Unit, Fondazione Policlinico Universitario Agostino Gemelli IRCCS, Rome, Italy, Italy. 2Department of Women, Children and Public Health, Catholic University of the Sacred Heart, Rome, Italy, Italy

P6-66 Examining the Correlation Between Attention on the Behavioral Assessment System for Children, Third Edition and Inattention-Executive Dysfunction on the Conners, Fourth Edition
Angelo A. Petracci, Amanthi Ranatunga, Hannah Richardson
Spalding University, Louisville, Kentucky, USA

P6-67 Demographic, Achievement, and Cognitive Comparisons of Subsets of Study Participants
Cassidy M Salentine, Mary E Witt, Paul T Cirino
University of Houston, Houston, Texas, USA

P6-68 Neuropsychological Assessment Approaches for Predicting Academic Recovery After Pediatric Traumatic Brain Injury
Catherine Bettridge, Andrea Avellaneda Avellaneda
Nova Southeastern University, Davie, FL, USA

P6-69 Investigation of Demographic, Behavioral, Psychological, and Educational Characteristics Contributing to Invalid Neuropsychological Performance in Youth Athletes
Daniel Baldini¹, John-Christopher A. Finley², Raquel L. Borg¹, Alejandro Ruelas-Mora¹, Pooja Venugopal¹, Alexandra Lang¹, Tilman Schulte^{1,3}, Rayna B. Hirst¹
1Palo Alto University, Palo Alto, California, USA. 2Northwestern University Feinberg School of Medicine, Chicago, Illinois, USA. 3SRI International, Menlo Park, California, USA

P6-70 Artificial Intelligence-Driven Semantic Analysis of Real-World Psychometric data Using the Generator Platform to Assess Cognitive Trajectories in Youth During the COVID-19 Pandemic
Daniela Pia Rosaria Chieffo^{1,2}, Valentina Arcangeli¹, Elisa Marconi¹, Valentina Massaroni³, Monia Pellizzari¹, Chiara Verderame¹, Brenno Martelli¹, Sofia Vannuccini¹, Chiara Dachena⁴, Stefano Patarnello⁴, Eugenio Maria Mercuri²
1Clinical Psychology Unit, Fondazione Policlinico Universitario Agostino Gemelli IRCCS, Rome, Italy, Italy. 2Department of Women, Children and Public Health, Catholic University of the Sacred Heart, Rome, Italy, Italy. 3Department of Health Science and Public Health, Faculty of Medicine and Surgery, Catholic University of the Sacred Heart, Rome, Italy, Italy. 4UOS DWH, Departmental and Research Information Systems, Fondazione Policlinico Universitario Agostino Gemelli IRCCS, Rome, Italy, Italy

P6-71 Refining Screening Algorithms for Neurocognitive Deficits in School-age Children with Sickle Cell Disease
Elizabeth Gillooly, Jeffrey Schatz
University of South Carolina, Columbia, SC, USA

P6-72 Advancing Standalone Pediatric Performance Validity Testing in Neurodevelopmental Disorders
Megi Roko-Blanco, Jonathan Brett, Gesenia Sloan-Pena
Nova Southeastern University, Fort Lauderdale, Florida, USA

P6-73 Assessing the Relationship of Parent and Teacher Ratings of Attention and Hyperactivity in the Context of Attention-Deficit/Hyperactivity Diagnosis and Disorder Subtype
Jennifer L. Osborne, Abigail Farrell, Alexandra Kirsch
NorthShore Hospitals at Endeavor Health, Evanston, IL, USA

P6-74 The Structure of Processing Speed and its Impact on Math in College Students
Juliana Wall, Samantha van Terheyden, Paul T. Cirino
University of Houston, Houston, TX, USA

P6-75 Relationship of Player Experience and Age with Self-Efficacy for Contact Skills in Youth Football
Katerina M Nastea^{1,2}, Jay L Myers³, Erik E Swartz⁴, Troy Furutani⁴, Ivet Lloansí Rodríguez⁴, Gerard A Gioia¹
¹Children's National Hospital, Washington, DC, USA. ²The Chicago School, Washington, DC, USA. ³Southern New Hampshire University, Hooksett, New Hampshire, USA. ⁴University of Hawaii at Manoa, Honolulu, Hawaii, USA

P6-76 Check Questions and Subgroup Generalizability in Survey of Undergraduate Math Students
Mary E Witt, Cassidy M Salentine, Paul T Cirino
University of Houston, Houston, Texas, USA

P6-77 The Executive Function RPM
Parent Rating Scale for Children
Paul T. Cirino, Cristina E. Boada, Cassidy Salentine
University of Houston, Houston, USA

P6-78 Leveling the Playing Field: Video Game Use Unrelated to Cognitive Performance in Young Athletes
Pooja Venugopal, Daniel Baldini, Madison Messina, Alexandra Lang, Rayna B Hirst
Palo Alto University, Palo Alto, CA, USA

P6-79 Predicting 18-month M-CHAT-R/F with PediaTracTMv3.0 Motor and Social/Communication/Cognition Cross-sectional Latent Traits and Longitudinal Trajectories
Ryan M. Krebs¹, Angela D. Staples¹, Jin Bo¹, Renée Lajiness-O'Neill²
¹Eastern Michigan University, Ypsilanti, MI, USA. ²University of Pittsburgh School of Medicine, Pittsburgh, PA, USA

P6-80 Domain General and Domain Specific

Contributions to Math Abilities in College Students
Samantha van Terheyden, Juliana Wall, Paul T Cirino
University of Houston, Houston, Texas, USA

P6-81 Relationship Between the DuPaul Attention Deficit/Hyperactivity Disorder Rating Scale-Fifth Edition and Conners Continuous Performance Test-Third Edition
Tyler N. Brady¹, Thomas A. Sedgwick², Jennifer Osborne³, Alexandra Kirsch³
¹Roosevelt University, Chicago, IL, USA. ²Rosalind Franklin University of Medicine and Science, Chicago, IL, USA. ³NorthShore Hospitals at Endeavor Health, Evanston, IL, USA

P6-82 The Effect of Sleep Deprivation on Early Neural Correlates of Emotional Stimuli Processing in Adults with ADHD
Orrie Dan¹, Iris Haimov², Adi Harel², Jenia Saveliev², Sivan Raz², Ami Cohen²
¹The Center for Psychobiological Research, The Max Stern Academic College of Emek Yezreel, Emek Yezreel, Israel. ²The Max Stern Academic College of Emek Yezreel, Emek Yezreel, Israel

P6-89 Cognitive and Non-cognitive Predictors of Math Performance in Community College
Cristina E. Boada, Paul T. Cirino
University of Houston, Houston, TX, USA

P6-01 Reading and writing habits, socioeconomic status and reading fluency in executive functions in healthy, Autism Spectrum Disorder, Bipolar Disorder and Mild Cognitive Impairment populations
Chair
Rochele Paz Fonseca
Universidade Federal de Minas Gerais,
Porto Alegre, RS, Brazil
Discussant (Optional)
Alberto Luis Fernandez
Loyola Marymount University, Los Angeles, California, USA
Summary Abstract

In neuropsychological assessment, with important outcomes for neuropsychological rehabilitation as well, the role of sociocultural factors in cognitive domains has been highlighted. The most studied variable is undoubtedly years of education or schooling. However, other variables such as type of school, socioeconomic status, reading and writing habits and reading fluency might influence attention, executive functions, memory and language. In this context, this symposium aims at presenting four studies in order to discuss the role of reading and writing habits, socioeconomic status and reading fluency in neuropsychological tests. In study 1, the impact of frequency of reading and writing habits in executive functions in adolescents, aged adults and bipolar disorder is shown. In study 2, the role of socioeconomic status, schooling and

frequency of reading and writing habits in inhibitory control, working memory and cognitive flexibility in healthy older adults and older adults with Mild Cognitive Impairment is studied. In study 3, a systematic review about the role of reading and writing habits and of literacy in general is conducted with healthy and clinical populations, such as autism spectrum disorder. In study 4, the predictive role of reading fluency in attention, memory, language, executive functions, reasoning, and constructional praxis is investigated. In this way, neuroprotective factors for several cognitive processes may accomplish other socioeconomic variables rather than only years of education. Reading and writing habits, socioeconomic status and reading fluency might be taken into account when running normative data for neuropsychological tests.

Keyword 1

executive functions

Keyword 2

reading (normal)

Keyword 3

aging disorders

P6-02 Frequency of Reading and Writing Habits'

Role in Executive Functions in Adolescents, Aged adults and Bipolar Disorder

Rochele PAZ FONSECA¹, Charles Cotrena²,

Laura Damiani Branco², André Ponsoni²,

Maila Rossato Holz³, Renata Kochhann³

¹Public University of Minas Gerais, Porto Alegre,

RS, Brazil. ²Mood Me, Porto Alegre, RS, Brazil.

³Conectare NeuroPsi, Porto Alegre, RS, Brazil

P6-03 Socioeconomical Status Is The New King

In The Neighbourhood Of Executive Functions

Maila Rossato Holz¹, Patricia Ferreira da Silva¹, Renata

Kochhann¹, Maximiliano Wilson², Rochele PAZ FONSECA³

¹Conectare Neuropsi, Porto Alegre, RS, Brazil.

²Univerisity of Laval, Quebec, Quebec, Canada. ³Public

University of Minas Gerais, Porto Alegre, RS, Brazil

P6-04 A Systematic Review Of The Role Of Reading And

Writing Habits On Cognition And Executive Functions

Throughout Typical and Atypical Development

Andressa Salem¹, Valentina Fiorioli², Maila Rossato

Holz², Ana Carolina Rodrigues², Priscila de Oliveira

Machado², Patricia Ferreira², Alberto Luis Fernandez³

¹Feevale University, Novo Hamburgo, RS, Brazil.

²Conectare NeuroPsi, Porto Alegre, RS, Brazil. ³Loyola

Marymount University, Los Angeles, California, USA

P6-05 Reading Fluency Better Predicts Neuropsychological
Test Performance Than Years Of Schooling

Alberto Luis Fernandez¹, Gabriel Jáuregui

Arriondo², Simonyi Tünde Tifordiana³

¹Loyola Marymount University, Los Angeles,

California, USA. ²Universidad Católica de Córdoba,
Cordoba, Cordoba, Argentina. ³University of
Budapest, Budapest, Budapest, Hungary

Invited Symposium 04: Women Leaders

10:15 - 11:40 Friday, 6th February, 2026

Location: Grand Ballroom / Salon E

Presentation type Invited Symposium

Speakers:

Natalia Ojeda, INS

Mary Kosmidis, INS

Lisa Cipolotti, FESN

Cristina Martell, AMN

Moderators:

Ruchika Prakash

Sarah MacPherson

Symposium 09: (Reyes) Rethinking Demographic-
Based Norms in Neuropsychology: Toward

Sociocultural and Contextual Models

10:15 - 11:40 Friday, 6th February, 2026

Location: Salon I (Level 5)

Presentation type Symposium

Introduction:

24 Rethinking Demographic-Based

Norms in Neuropsychology: Toward

Sociocultural and Contextual Models

Chair

Anny Reyes

Cleveland Clinic, Cleveland, OH, USA

Discussant (Optional)

Margaret Lanca

Harvard Medical School/Cambridge Health

Alliance, Cambridge, MA, USA

Summary Abstract

In neurological, neurodevelopmental, and psychiatric conditions, brain-behavior relationships are studied by determining whether an individual's cognitive or behavioral performance deviates from expected norms, typically by comparing it to a normative reference group. However, to ensure appropriate comparisons and accurate interpretation of the data, it is essential to consider the composition of the normative group. Given the substantial influence of sociodemographic factors (e.g., age, education, sex) on brain and cognitive trajectories, normative data are often demographically adjusted so that an individual's score is compared to a "demographically appropriate" reference group. Without such adjustments, there is a risk of misclassifying cognitive performance, leading to errors that compromise diagnostic accuracy and clinical care. Decades of research have shown that cognitive performance differs significantly between White individuals and members of culturally diverse groups, with the latter often scoring lower on neuropsychological measures. These disparities have been attributed, in part, to the limited cross-cultural applicability of neuropsychological tests, which

were originally developed and validated in predominantly White, highly educated samples. As such, comparing the performance of a patient from a culturally diverse group to a White-predominant normative sample may result in a false positive error (i.e., incorrectly classifying cognitive impairment). To reduce misclassification of impairment in culturally diverse groups, race-adjusted normative models have been traditionally used in neuropsychology. This practice is not unique to neuropsychology, as race-based medical algorithms and clinical decision tools are commonly utilized in other fields of medicine, including cardiology, nephrology, obstetrics, and urology. However, there is increasing recognition that race/ethnicity are not biological determinants but rather proxies for a complex interplay of sociocultural, structural, and environmental factors that influence cognitive, behavioral, and clinical outcomes. As such, algorithms or decision tools that rely solely on "race corrections" are inherently limited and may perpetuate bias if these underlying determinants are not addressed directly. In line with precision medicine and culturally responsive clinical practice, there is a growing call for alternative approaches to replace demographic-based algorithms by incorporating a broader range of evidence-based sociocultural factors that underlie racial differences, including key social determinants of health (SDOH).

This symposium will provide a review and in-depth discussion of race-based normative models and clinical decision tools in neuropsychological and medicine more broadly, alternative approaches, and the implications for research and clinical care. Dr. Maegan Sady will provide a historical overview of demographic-based normative models. Dr. Maria Wedin will discuss the role of SDOH on cognitive and brain health and neurological disorders. Dr. Beth Arredondo will provide an overview of how other medical specialties are reevaluating their clinical algorithms and approaching health assessment in the context of the growing use of artificial intelligence and machine learning models. Dr. Paola Suarez will review the recent literature of studies examining alternative approaches to race-based normative models in neuropsychology. Dr. Suzanne Penna will explore the clinical, research, and training implications of these alternative approaches and recommendations for implementation. Lastly, Dr. Margaret Lanca will lead the discussion regarding the evidence, strengths, limitations, and future directions of this research area.

Keyword 1

normative data

Keyword 2

health disparities

Keyword 3

brain health equity

526 What's in a Norm?

Maegan D. Sady

PAR Inc, Lutz, FL, USA

499 Redefining Cognitive Risk: Social determinants of health, Modifiable Factors, and the Future

of Neuropsychological Assessment

Maria Wedin

John F. Kennedy University Medical Center, Edison, NJ, USA

531 Advancing Precision Across Healthcare Specialties

Beth C. Arredondo

Ochsner Health, Covington, LA, USA

883 "The Norms are there to Help You, You are the Clinician" – Bob Heaton

Paola Suarez

University of California, Los Angeles, Los Angeles, CA, USA

814 Practical Approaches to Integrating Social Determinants of Health in Neuropsychology Research, Training, and Clinical Practice

Suzanne Penna

Emory University, Atlanta, GA, USA

Paper 12: Assessment and Outcomes in Neurodevelopmental Disorders

10:15 - 11:40 Friday, 6th February, 2026

Location: Salon K (Level 5)

Presentation type Paper Session

Moderator:

10:15 - 10:29

113 Heterogeneity in Autism: Multidomain Profiles Across Cognitive and Executive Functioning

Krystyna R Keller¹, Taylor R Jancetic¹, Yael G Dai¹,

Chloe L Hampson¹, Rosario Pintos Lobo¹, Alan

Meca², Erica D Musser³, Angela R Laird¹

¹Florida International University, Miami, FL, USA.

²University of Texas San Antonio, San Antonio, TX,

USA. ³Barnard College, New York, NY, USA

10:29 - 10:43

503 Perspectives of Employers About Working with Autistic Youth

Heba Elsayed^{1,2}, Jacob Gronemeyer³, Peter

Meulenbroek⁴, Erin A McLean⁵, Mikayla Haas¹,

Amanda Botticello^{6,2}, Helen Genova^{1,2}

¹Kessler Foundation, East Hanover, NJ, USA. ²Rutgers, New

Jersey Medical School, Newark, NJ, USA. ³Huck Institutes

of Life Sciences, Pennsylvania State University, University

Park, Pennsylvania, USA. ⁴Radford University, Radford,

Virginia, USA. ⁵Dartmouth Health, Lebanon, Hampshire,

USA. ⁶Kessler Foundation, West Orange, New Jersey, USA

10:43 - 10:57

980 Examining the MINT Sprint 2.0 as a

Speeded Naming Measure in Epilepsy

Alena Stasenko¹, Erik Kaestner¹, Cady Block², Daniel

Drane³, Tamar H. Gollan¹, Carrie R McDonald¹

¹UC San Diego, San Diego, CA, USA. ²Mayo Clinic,

Jacksonville, FL, USA. ³Emory University, Atlanta, GA, USA

10:57 - 11:11

393 Verbal Memory and Language Outcomes Following Laser Interstitial Thermal Therapy in Patients with Left Temporal Focal Epilepsy
Eric McConathey, Taylor Ikner, Cassandra Smith, Victoria Oleynick, Jennifer Tinker, Joseph Tracy
Thomas Jefferson University, Philadelphia, PA, USA

11:11 - 11:25

51 ADHD Diagnosis in Adulthood: Prevalence and Predictive Utility of Neuropsychological Scales
Maria Pleshkevich^{1,2}, Robiann Broomfield¹, Sydney Burton^{1,3}, Gabriela Castro^{1,3}, Alyssa Gill^{1,3}, Matthew Jerram², Setari Parsa¹
¹Harvard Medical School, Boston, MA, USA. ²Suffolk University, Boston, MA, USA. ³William James College, Newton, MA, USA

11:25 - 11:39

262 Evaluating the Evaluation: Surveying Parental Perceptions of the Utility of Pediatric Neuropsychological Evaluations in a Neurodevelopmental Population
Veronica L. Milito¹, Amira Hanna², Tara DeLuco¹, Sarah Mandelbaum¹, Madison Loughlin¹, Daniela Montalto¹, Kritika Nayar¹
¹NYU Langone Health, New York, NY, USA. ²NYU Langone, New York, NY, USA

Paper 13: Cognitive and Emotional Processes in the Brain

10:15 - 11:40 Friday, 6th February, 2026

Location: Salon B (Level 5)

Presentation type Paper Session

Moderator:

10:15 - 10:29

597 Resting State Functional Connectivity Relationship with Working Memory and Attention in Post-Trauma Youth
Emily A. Albertina¹, Amy Z. Wang¹, Michael Levas², Christine L. Larson¹
¹University of Wisconsin Milwaukee, Milwaukee, WI, USA. ²Children's Wisconsin, Milwaukee, WI, USA

10:29 - 10:43

465 What Type of Disorder is Misophonia? Investigations of Anterior Insula Reactivity to Emotionally Evocative Human Sounds
Joshua Gertler, Margaret M Bradley, Andreas Keil, Natalie C Ebner, Jared J Tanner, Dawn Bowers
University of Florida, Gainesville, FL, USA

10:43 - 10:57

416 Beyond Sadness: Vascular Apathy and its Associations with Cognitive and Functional Abilities
Alexandria K Bartlett¹, Vonetta M Dotson^{1,2,3,4}
¹Georgia State University, Atlanta, Georgia, USA. ²Gerontology Institute, Atlanta, Georgia, USA. ³Brigham and Women's Hospital, Boston, Massachusetts, USA.

4Harvard Medical School, Boston, Massachusetts, USA

10:57 - 11:11

288 Distressed Personality in Multiple Sclerosis: Linking High Type D to Cognitive Function
Celeste A. Santivaschi, McKenna S. Sakamoto, Megan L. Bradson, Peter A. Arnett
Pennsylvania State University, Department of Psychology, University Park, PA, USA

11:11 - 11:25

444 Transcranial Direct Current Stimulation on the Left Versus Right Frontal Regions Revealed Distinct Neuropsychological Processes Underpinning Loneliness in Older Adults: A Quasi-Randomized, Parallel-Group, Sham-Controlled, Double-Blind, Superiority Trial
Esther Zhiwei Zheng¹, Nichol M.L. Wong², Tatia M.C. Lee¹
¹The University of Hong Kong, Hong Kong, Hong Kong. ²The Education University of Hong Kong, Hong Kong, Hong Kong

11:25 - 11:39

303 Examining Associations Between Eating Behaviors, E-cigarette Use, and Neural Processes Related to Food Reward Sensitivity Using a Functional Magnetic Resonance Imaging Paradigm
Emily L. Goldberg¹, Douglas H. Schultz², W. Alex Mason³, Timothy D. Nelson^{1,2}
¹Department of Psychology, University of Nebraska-Lincoln, Lincoln, NE, USA. ²Center for Brain, Biology, and Behavior, University of Nebraska-Lincoln, Lincoln, NE, USA. ³Department of Child, Youth, & Family Studies, Nebraska Center for Research on Children, Youth, Families, and Schools, University of Nebraska-Lincoln, Lincoln, NE, USA

Paper 14: Real World Activity and Cognitive Health

10:15 - 11:40 Friday, 6th February, 2026

Location: Salon D (Level 5)

Presentation type Paper Session

Moderator:

10:15 - 10:29

1033 Cardiorespiratory Fitness Predicts Digital Trail Making Test-B: Novel Process Metrics Reveal Selective Executive Benefits
Anna MacKay-Brandt¹, Stan Colcombe^{1,2,3}
¹Nathan Kline Institute for Psychiatric Research, Orangeburg, NY, USA. ²New York University - Grossman School of Medicine, NY, NY, USA. ³Child Mind Institute, NY, NY, USA

10:29 - 10:43

204 Exploring Gait and Cognition in Exceptional Cognitive Aging: Findings from the SuperAging Research Initiative Cohort
Kylie R. Kadey¹, Amanda Cook Maher¹, Sophia Moore², Victoria Balog¹, Claire M. Alexander³, Rhiana Schafer², Elena B. Goicoechea², Adam

Martersteck², Ana Capuano², Emily Rogalski²
 1University of Michigan, Ann Arbor, MI, USA.
 2University of Chicago, Chicago, IL, USA. 3VA Ann
 Arbor Healthcare System, Ann Arbor, MI, USA

10:43 - 10:57

957 Modifiable Social and Lifestyle Determinants of Vascular
 Depression and Its Impact on Cognitive Functioning
 and Gait Speed in an Ethn racially Diverse Cohort
 Vonetta M Dotson
 Brigham & Women's Hospital, Boston, MA, USA.
 Harvard Medical School, Boston, MA, USA.
 Georgia State University, Atlanta, GA, USA

10:57 - 11:11

652 Differential Effects of Sex on The Relationship Between
 Physical Activity and Cognitive Functioning in Older Adults
 McKenna J. Webb, Genna M. Mashinchi,
 Shehroo B. Pudumjee, Karen A. Martinez
 Cleveland Clinic Lou Ruvo Center for
 Brain Health, Las Vegas, NV, USA

11:11 - 11:25

753 Brief Smartphone Test for Assessing Walking
 Cadence in Neurodegenerative Diseases
 Joshua D Downer¹, Marcin Strackiewicz², Ray Fregly¹,
 Anjali Sadarangani¹, Sreya Dhanam¹, Mark Sanderson-
 Cimino¹, Emily W Paolillo¹, Jack C. Taylor¹, Ashley
 Heywood¹, Hilary W. Heuer¹, Joel H. Kramer¹, John
 Kornak³, Riley Bove⁴, Leah K. Forsberg⁵, Bradley F.
 Boeve⁵, Howard J. Rosen¹, Adam L. Boxer¹, Adam
 Staffaroni¹, on behalf of the ALLFTD Consortium "6
 1Memory and Aging Center, Dept. of Neurology, University
 of California, San Francisco, San Francisco, CA, USA.
 2Department of Measurement and Electronics, AGH
 University of Krakow, Krakow, Poland. 3University of
 California, San Francisco Dept. of Biostatistics and
 Epidemiology, San Francisco, CA, USA. 4University
 of California, San Francisco, Dept. of Neurology, San
 Francisco, CA, USA. 5Mayo Clinic Dept. of Neurology,
 Rochester, MN, USA. 6ALLFTD Consortium, ", USA

11:25 - 11:39

609 Linking Real-World GPS Data with Performance-Based
 Measures of Functioning and Cognition in Older Adults
 Moira McKniff¹, Katherine Hackett^{1,2}, Sophia
 Holmqvist¹, Tania Giovannetti¹
 1Temple University, Philadelphia, PA, USA. 2Icahn School
 of Medicine at Mount Sinai, New York, NY, USA

Plenary E: Measuring a Moving Target: Ambulatory
 Methods for Capturing Cognitive Change in Daily Life
 11:45 - 12:45 Friday, 6th February, 2026
 Location: Grand Ballroom / Salon E
 Presentation type Plenary
 Speaker:
 Martin Sliwinski, PhD

Introduction:

CE: 1 Hour

Level of Instruction: Intermediate

1091 Measuring a Moving Target: Ambulatory Methods
 for Capturing Cognitive Change in Daily Life

In Memoriam: Celebrating Marcel Kinsbourne
 12:45 - 13:35 Friday, 6th February, 2026
 Location: Grand Ballroom / Salon E
 Presentation type INS Event
 Speakers:
 Gerry Stefanatos
 Merrill Hiscock
 Morris Moscovitch
 Deborah Fein

Brain Injury SIG Members Meeting
 12:45 - 13:35 Friday, 6th February, 2026
 Location: Salon I (Level 5)
 Presentation type SIG Meeting

Cultural SIG Members Meeting
 12:45 - 13:35 Friday, 6th February, 2026
 Location: Salon K (Level 5)
 Presentation type SIG Meeting

Social SIG Members Meeting
 12:45 - 13:35 Friday, 6th February, 2026
 Location: Salon B (Level 5)
 Presentation type SIG Meeting

Tele Neuro SIG Members Meeting
 12:45 - 13:35 Friday, 6th February, 2026
 Location: Salon D (Level 5)
 Presentation type SIG Meeting

Symposium 10: (Ignacio) Traumatic Brain Injury
 and the Stress Response: Adolescence to
 Adulthood, Neurons to Neighborhoods
 13:45 - 15:15 Friday, 6th February, 2026
 Location: Grand Ballroom / Salon E
 Presentation type Symposium
 Introduction:

38 Traumatic Brain Injury and the Stress Response:
 Adolescence to Adulthood, Neurons to Neighborhoods
 Chair
 Daniel A. Ignacio
 Providence St. Jude Medical Center, Brain Injury
 Network (HI CARES), Fullerton, California, USA
 Discussant (Optional)
 Talin Babikian
 UCLA Semel Institute for Neuroscience and

Human Behavior, Los Angeles, California, USA

Summary Abstract

Traumatic brain injury (TBI) is increasingly recognized as a chronic health condition that poses enduring challenges in neuroscience, rehabilitation, and health policy sectors. Across injury severities and life stages, a consistent theme is abnormal stress regulation, whether through autonomic dysfunction, impaired white matter remodeling, or psychosocial burden. Dysregulated stress responses limit recovery, contribute to persistent symptoms, and amplify disparities. Yet, fragmented care, underdeveloped biomarkers, and insufficient surveillance continue to impede equitable treatment. This symposium integrates findings from neuroimaging, autonomic biomarkers, community-based rehabilitation, and state-level surveillance to advance a lifespan, systems-oriented model of chronic TBI care, positioning stress regulation as a mechanism and treatment target. Firstly, structural and microstructural reorganization in adolescents with moderate-to-severe TBI (msTBI) was examined. Diffusion tensor imaging and volumetric MRI revealed significant diffusion-volume coupling in callosal tracts projecting to the frontoparietal network, critical for working memory and stress regulation, whereas typically developing peers did not. Temporal dissociations unique to msTBI highlighted microstructural organization as a potential biomarker of structural capacity. Adolescents in less resourced neighborhoods showed less favorable reorganization, underscoring how environmental stress may interact with neural stress. In a national sample of adolescents with concussion, the second study evaluated autonomic reactivity using pupillary light reflex (PLR). Pupillometry measurements before and after cognitive and physical stressors revealed altered pupillary dynamics in concussed youth, suggesting sympathetic dominance and limited parasympathetic response. While most univariate comparisons were nonsignificant, multivariate stress-sensitive models reliably distinguished concussed from controls. PLR thus emerges as a rapid, scalable biomarker, potentially capable of monitoring recovery and guiding return-to-activity decisions. The third study extended stress regulation into adulthood, testing a 12-week group-based outpatient rehabilitation program. Participants exhibited standardized memory improvements, while AI-assisted qualitative analysis of focus groups emphasized peer validation, self-efficacy, and strategy use, demonstrating how social support buffers stress and enhances functional recovery. These findings highlight stress as a modifiable treatment target and reinforce embedding psychosocial scaffolding into rehabilitation design. At the systems level, California's lack of representative TBI surveillance data was addressed by leveraging the state's survey panel. Weighted results from 1,057 participants revealed lifetime prevalence of 41.8% for possible TBI and 14.6% for probable TBI. Over half reported their first head/neck injury occurred before age 18, with nearly

three decades elapsing since survey participation. Respondents with probable TBI were younger at first injury, more often alcohol-related, and reported greater impairment, including housing instability, justice system involvement, and employment difficulties; these stressors compound neural injury with socioeconomic disadvantage. Findings reinforce the urgency of standardized outpatient pathways, as outlined in new Clinical Practice Guidelines for non-hospitalized TBI (Silverberg et al., in press). These studies converge on stress dysregulation as a mechanism across the lifespan following TBI. Neuroimaging links abnormal white matter remodeling to impaired stress adaptation; PLR metrics reveal reduced autonomic flexibility; group-based rehabilitation shows that reducing stress enhances cognitive recovery; and population surveillance highlights the cumulative burden of unmanaged stress sequelae. Collectively, they reframe TBI as a chronic, stress-sensitive condition, which is critical to advancing treatment, promoting equity, and reducing societal burden.

Keyword 1

child brain injury

Keyword 2

concussion/mild traumatic brain injury

Keyword 3

traumatic brain injury

787 Multimodal Neuroimaging of Callosal Reorganization and Recovery Trajectories after Pediatric Moderate-to-Severe Traumatic Brain Injury
Elvina Chow¹, Rida Ismail², Robert F. Asarnow³, Christopher C. Giza⁴, Talin Babikian¹, Kevin Bickart⁵, Daniel A. Ignacio¹
1UCLA Steve Tisch BrainSPORT Program, Los Angeles, California, USA. 2UCLA Bickart Lab, Los Angeles, California, USA. 3UCLA Semel Institute for Neuroscience and Human Behavior, Los Angeles, California, USA. 4UCLA Mattel Children's Hospital, Los Angeles, California, USA. 5UCLA David Geffen School of Medicine, Los Angeles, California, USA

794 Pupillary Light Reflex Indices of Autonomic Function Predict Concussion Status

Robert F. Asarnow¹, Aliyah Snyder², Talin Babikian³, Kevin Bickart³, Christopher C. Giza³, Meeryo Choe³, Daniel A. Ignacio⁴, Shriya Nayyar³, Rida Ismail³
1UCLA Semel Institute for Neuroscience and Human Behavior, Los Angeles, California, USA. 2University of Florida, Gainesville, Florida, USA. 3UCLA Steve Tisch BrainSPORT Program, Los Angeles, California, USA. 4Providence St. Jude Medical Center's Brain Injury Network, Fullerton, California, USA

802 A Mixed-Methods Analysis of the Relationship between Cognitive Disturbance and Symptoms of Stress following Concussion/Traumatic Brain Injury
Dylan G. Serpas¹, Daniel Baldini², Ryan Johnson³, Elvina Chow⁴, Esther Li⁵, Rida Ismail⁴, Daniel A. Ignacio⁶
1University of South Florida, Tampa, Florida, USA. 2Palo Alto University, Palo Alto, California, USA. 3Columbia College, Sonoma, California, USA. 4UCLA

Steve Tisch BrainSPORT Program, Los Angeles, California, USA. 5St. Jude's Brain Injury Network (HI CARES), Fullerton, California, USA. 6OMID Institute, Neuropsychology Clinic, Irvine, California, USA

804 From Injury to Inequity: Estimating Lifelong Impacts of TBI using the California State Survey Panel
Ryan Johnson¹, Daniel A. Ignacio¹, Katie Shinoda¹, Todd Higgins¹, Tanya Thee¹, Yingying Liu², Charles E. Degeneffe³
¹California Department of Rehabilitation's TBI Advisory Board, Data Analytics Committee, Sacramento, California, USA. ²The Chicago School in L.A., Los Angeles, California, USA. ³San Diego State University, San Diego, California, USA

Symposium 11: (Raskin) Novel Advances in Neuropsychological Interventions
13:45 - 15:15 Friday, 6th February, 2026
Location: Salon I (Level 5)
Presentation type Symposium
Introduction:

33 Novel Advances in Neuropsychological Interventions Chair
Sarah A Raskin
Trinity College, Hartford, CT, USA
Discussant (Optional)
Summary Abstract
This symposium will review novel advances in neuropsychological interventions. Neuropsychological interventions, such as cognitive remediation, have been shown to be effective in improving quality of life. Interventions to improve cognitive and emotional functioning have increasingly focused on compensation strategies that can improve daily functioning and provide individuals with tools to manage their own symptoms. The research covered in this symposium entails novel approaches that enhance compensation strategies and/or self-monitoring and tracking techniques. The latter provides individuals with the means to track their own progress and share that information with providers. The presentations cover a range of populations, including individuals with mild cognitive impairment, multiple sclerosis (MS), and acquired brain injury. Campbell et al. will discuss a novel approach to compensatory cognitive training for older adults, the Motivationally Enhanced Compensatory Cognitive Training (ME-CCT). This intervention demonstrated efficacy with a group of older Veterans with mild cognitive impairment. Miller et al. also examined the impact of motivation and other factors on the use of compensatory strategies. They will discuss applying the Health Action Process Approach (HAPA) to track adherence to compensatory strategies in a group of adults with acquired brain injury. Gromisch et al. involved stakeholders with MS to assess the accessibility and usefulness of a novel technology Managing My MS My Way (M4W). Feedback was obtained from Patient Advisory Groups on this

technology to track fatigue, depression, and cognition, as well as compensatory cognitive strategies. Wisinger et al. will present the results of a mobile tracking system that allows people with traumatic brain injury to track and report their mental health, including symptoms of depression and anxiety, prospectively in the first year after injury.

Keyword 1
cognitive rehabilitation
Keyword 2
everyday functioning
Keyword 3
emotional processes
717 Motivationally Enhanced Compensatory Cognitive Training for Older Veterans with Mild Cognitive Impairment: A Randomized Controlled Trial
Laura M Campbell^{1,2}, Jacqueline E Maye^{1,2}, Kelsey R Thomas^{1,2}, Delaney Pickell², Amber V Keller³, Zanjbeel Mahmood⁴, Emily Sano⁵, Tara A Austin^{1,2}, Jessica J Zakrzewski^{1,2}, Ilyssa H Silverman³, Michael L Thomas⁶, Amy J Jak^{1,2}, Maya E O'Neill⁵, Elizabeth W Twamley^{1,2}
¹UC San Diego, Department of Psychiatry, San Diego, CA, USA. ²VA San Diego Healthcare System, San Diego, CA, USA. ³SDSU/UC San Diego Joint Doctoral Program in Clinical Psychology, San Diego, CA, USA. ⁴UC Irvine, Department of Psychiatry, Irvine, CA, USA. ⁵VA Portland Healthcare System, Portland, OR, USA. ⁶Colorado State University, Department of Psychology, Fort Collins, CO, USA

714 Exploring Adherence to Cognitive Compensatory Strategies Following Neurorehabilitation
Luke Miller, Matthew Calamia
Louisiana State University, Baton Rouge, LA, USA

687 Co-Designing Technology-Based Behavioral Interventions with Patient Stakeholders to Address Multiple Sclerosis-Related Cognitive Changes
Elizabeth S Gromisch^{1,2,3}, Sarah A Raskin⁴, Lindsay O Neto^{1,2}, Jodie K Haselkorn^{5,6,7}, Dawn M Ehde⁷, Thomas Agresta⁸, Swapna S Gokhale⁹, Aaron P Turner^{5,6,7}
¹Mandell Center for Multiple Sclerosis, Mount Sinai Rehabilitation Hospital, Trinity Health Of New England, Hartford, CT, USA. ²Departments of Rehabilitative Medicine and Medical Sciences, Frank H. Netter MD School of Medicine at Quinnipiac University, North Haven, CT, USA. ³Department of Neurology, University of Connecticut School of Medicine, Farmington, CT, USA. ⁴Department of Psychology and Neuroscience Program, Trinity College, Hartford, CT, USA. ⁵Multiple Sclerosis Center of Excellence West, Veterans Affairs, Seattle, WA, USA. ⁶Rehabilitation Care Service, VA Puget Sound Health Care System, Seattle, WA, USA. ⁷Departments of Rehabilitation Medicine and Epidemiology, University of Washington, Seattle, WA, USA. ⁸Department of Family Medicine and Center for Quantitative Medicine, University of Connecticut Health Center,

Farmington, CT, USA. 9Department of Computer Science and Engineering, University of Connecticut, Storrs, CT, USA

711 Using Mobile Health to Track Symptom Trajectories and Evolution of Mental Health Conditions Over the First Year Post Traumatic Brain Injury: A TBI Model Systems Study
Amanda M Wisinger¹, Shannon B Juengst², Angelle Sander², Jocelyn Hunyadi³, Cici Bauer³
¹The Ohio State University Dept. of Physical Medicine and Rehabilitation, Columbus, Ohio, USA.
²TIRR Memorial Hermann Brain Injury Research Center, Houston, TX, USA. ³UTHealth Houston School of Public Health, Houston, TX, USA

Symposium 12: (Lee) Characterizing decrements in cognition and behavior and their health-related correlates among adults with intellectual and developmental disabilities
13:45 - 15:15 Friday, 6th February, 2026
Location: Salon K (Level 5)
Presentation type Symposium
Introduction:

30 Characterizing decrements in cognition and behavior and their health-related correlates among adults with intellectual and developmental disabilities
Chair
Nancy Raitano Lee
Drexel University, Philadelphia, PA, USA
Goldie A. McQuaid
George Mason University, Fairfax, VA, USA
Discussant (Optional)
Lauren Kenworthy
Children's National Hospital, Washington, DC, USA
Summary Abstract

Neuropsychological evaluations are often sought to characterize declines in cognitive function. However, these assessments can be complicated when working with individuals with intellectual and developmental disabilities (IDDs), as the baseline against which change is measured can be difficult to identify without serial assessments. In recent years, there has been an increased awareness about cognitive declines, regression, and dementia among individuals with IDDs, which is likely to increase referrals to neuropsychological practices for this population. Despite this clinical need, limited empirical information exists which characterizes declines in cognition and behavior among adults with IDD (particularly before the onset of clinical dementia). Thus, the proposed symposium aims to extend this research via four presentations that will characterize a spectrum of decrements in cognition and behavior experienced by adults with DS or autism. It will also describe factors (e.g., health and psychosocial) that relate to observed decrements in functioning. In particular, two talks will focus on DS and two will focus on autism. First, in a presentation on young adults with DS from around the country, informant-reported deterioration in cognition/behavior will be characterized, and health

factors related to observed deterioration will be explored. Second, in another presentation focused on young adults with DS, clinically significant deterioration in cognitive/behavioral functioning will be explored among individuals with a rare condition referred to by many professionals as Down Syndrome Regression Disorder (DSRD). In particular, cognitive profiles of individuals with DS+DSRD will be compared to those with DS only to enhance understanding about aspects of cognition and behavior impacted by DSRD. Third, in a presentation focused on autistic adults, associations between cognitive decline and modifiable risk factors for dementia in the general population will be interrogated, and the interrelatedness/independence of cognitive decline and depression symptoms will be investigated using network analysis. Fourth, in another presentation on autistic adults, a specific modifiable risk factor for dementia, anticholinergic medication use, will be examined in relation to declines in cognition and behavior across three independent samples.

Keyword 1

congenital disorders

Keyword 2

cognitive functioning

Keyword 3

autism spectrum disorder

612 Declines in cognition and behavior among young adults with Down syndrome: Rates and associated health conditions

Nancy Raitano Lee¹, Haila Jiddou¹, Jessica McNulty¹, Hannah Grosman¹, Ketevan Piroshmanashvili¹, Meghan O'Brien^{1,2}, Gregory L. Wallace³
¹Drexel University, Philadelphia, PA, USA.

²University of Nebraska, Lincoln, NE, USA. ³George Washington University, Washington, DC, USA

625 The cognitive and behavioral profile associated with Down Syndrome Regression Disorder.

Mary Godfrey, Kyung Paik, George Capone
Kennedy Krieger Institute, Baltimore, MD, USA

631 Subjective Cognitive Decline in Middle Aged and Older Autistic Adults: Longitudinal Predictors and Network Analysis Examining Overlap with Depression Symptoms
Gregory L. Wallace¹, Goldie A. McQuaid², Claire B. Klein³, Rebecca A. Charlton⁴, Laura G. Klinger³

¹The George Washington University, Washington, DC, USA. ²George Mason University, Fairfax, VA, USA. ³University of North Carolina, Chapel Hill, NC, USA. ⁴Goldsmiths, University of London, London, United Kingdom

641 Autistic Adults Experience High Anticholinergic Burden Linked to Cognitive Decline: Convergence across Three Independent Samples

Goldie A McQuaid¹, Nancy R Lee², Sha Tao², Lindsay L Shea², Rebecca Charlton³, Gregory L Wallace⁴
¹George Mason University, Fairfax, VA, USA. ²Drexel University, Philadelphia, PA, USA. ³Goldsmiths,

University of London, London, United Kingdom. 4The George Washington University, Washington, DC, USA

Paper 15: Next-Generation Cognitive Testing

13:45 - 15:15 Friday, 6th February, 2026

Location: Salon B (Level 5)

Presentation type Paper Session

Moderator:

13:45 - 14:00

958 A harmonized memory composite score for cross-cohort Alzheimer's disease and related dementia research: development and validation Mark E Sanderson-Cimino¹, Alden L. Gross², Leslie S. Gaynor³, Emily W. Paolillo¹, Rowan Saloner¹, Marilyn S Albert⁴, Liana G Apostolova⁵, Brooke Boersema⁶, Adam L. Boxer¹, Bradley F. Boeve⁶, Kaitlin B. Casaletto¹, Lindsay R. Clark⁷, Ani Eloyan⁸, Sarah Tomaszewski Farias⁹, Pauline Maillard¹⁰, Mitzi M. Gonazles¹¹, Dustin B. Hammers⁵, Renaud La Joie¹, Yann Cobigo¹, Amy Wolf¹, Benjamin M. Hampstead¹², Dawn Mechanic-Hamilton¹³, Bruce L. Miller¹, Gil D. Rabinovici¹, John M. Ringman¹⁴, Howie J. Rosen¹, Sephira G. Ryman¹⁵, Jillian L. Prestopnik¹⁵, David P. Salmon¹⁶, Glenn Smith¹⁷, Charles DeCarli¹⁰, Kumar B. Rajan¹⁸, Lee-Way Jin¹⁹, Jason Hinman²⁰, David K. Johnson¹⁰, Danielle Harvey²¹, Myriam Fornage²², Joel H. Kramer¹, Adam M. Staffaroni¹ ¹Memory and Aging Center, UCSF Weill Institute for Neurosciences, San Francisco, CA, USA. ²Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, USA. ³Vanderbilt Memory and Aging Center, Vanderbilt University Medical Center, Nashville, TN, USA. ⁴Department of Neurology, Johns Hopkins University School of Medicine, Baltimore, MD, USA. ⁵Department of Neurology, Indiana University School of Medicine, Indianapolis, IN, USA. ⁶Department of Neurology, Mayo Clinic, Rochester, MN, USA. ⁷Wisconsin Alzheimer's Disease Research Center, University of Wisconsin School of Medicine and Public Health, Madison, Wisconsin, USA. ⁸Department of Biostatistics, Center for Statistical Sciences, Brown University, Providence, RI, USA. ⁹Department of Neurology, University of California at Davis, Sacramento, CA, USA. ¹⁰Department of Neurology, University of California at Davis, Davis, CA, USA. ¹¹Department of Neurology, Cedars Sinai Medical Center, Los Angeles, CA, USA. ¹²Department of Psychiatry, University of Michigan, Ann Arbor, Michigan, USA. ¹³Department of Neurology, Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA, USA. ¹⁴Department of Neurology, Keck School of Medicine at USC, Los Angeles, CA, USA. ¹⁵Center for Memory & Aging, University of New Mexico, Albuquerque, NM, USA. ¹⁶Department of Neurosciences, University of California, San Diego, San Diego, CA, USA. ¹⁷Florida Alzheimer's Disease Research Center, Gainesville, FL, USA. ¹⁸Rush Institute for Healthy Aging, Rush University Medical Center, Chicago, IL, USA. ¹⁹Department of Pathology and Laboratory

Medicine University of California, Davis, Davis, CA, USA. ²⁰Department of Neurology, University of California, Los Angeles, Los Angeles, CA, USA. ²¹Department of Public Health Sciences University of California, Davis, Davis, CA, USA. ²²Brown Foundation Institute of Molecular Medicine, McGovern Medical School at The University of Texas Health Science Center at Houston, Houston, TX, USA

14:00 - 14:15

1024 Evaluating the Visual Short Term Memory Binding Test as a measure of sporadic preclinical Alzheimer's disease Kate D Ruiz¹, Britney Escobedo¹, Elena K Festa², Jingjing Zou¹, Tamar H Gollan¹, David P Salmon¹, Douglas R Galasko¹, William C Heindel², Diane M Jacobs¹ ¹University of California, San Diego, La Jolla, CA, USA. ²Brown University, Providence, RI, USA

14:15 - 14:30

1006 Linking Cognition and Health Equity: Executive Functioning Predicts Performance on a Novel Health Brokering Task Andrea P. Ochoa Lopez^{1,2}, Steven P. Woods¹, Isabel Torres-Vigil¹, Clayton Neighbors¹, Luis D. Medina¹ ¹University of Houston, Houston, TX, USA. ²UTHealth Houston, Houston, TX, USA

14:30 - 14:45

773 Modernizing Picture Description: An Exploration of Written and Oral Picture Description Tasks in the Framingham Heart Study Carson Kingsbury^{1,2}, Cody Karjadi¹, Julia Peterson¹, Marisa Long¹, Stephanie Li¹, Victoria Wheeler¹, Santiago Gutierrez-Gomez¹, Jesse Mez¹, Ashita Gurnani¹, Katherine A. Gifford¹ ¹Boston University, Boston, MA, USA. ²Tufts University, Boston, MA, USA

14:45 - 15:00

186 Computerized Adaptive Test Assessment of Anxiety Following Concussion Stephen C. Bunt¹, Linda S. Hynan¹, Robbie Magill¹, Nyaz Didehbani¹, Shane M. Miller^{2,1}, Mathew Stokes¹, Kathleen R. Bell¹, Gerard Gioia^{3,4}, Fred P. Rivara⁵, Christopher C. Giza⁶, C. Munro Cullum¹ ¹University of Texas Southwestern Medical Center, Dallas, Texas, USA. ²Scottish Rite for Children Orthopedic and Sports Medicine, Frisco, Texas, USA. ³Children's National, Washington, DC, USA. ⁴George Washington University School of Medicine, Washington, DC, USA. ⁵University of Washington School of Medicine, Seattle, Washington, USA. ⁶University of California Los Angeles School of Medicine, Los Angeles, California, USA

15:00 - 15:15

968 Associations of Short-Term Practice Effects on Smartphone-Based Cognitive Tasks and Disease Severity in Frontotemporal Lobar Degeneration. Mark Sanderson-Cimino¹, Emily W Paolillo¹, Ray Fregly¹,

Jack Taylor¹, Sreya Dhanam¹, Hilary Heuer¹, Kaitlin B Casaletto¹, Leah K Forsberg², John Kornak³, Walter Kremers⁴, Sandra Weintraub⁵, Katya Rascovsky⁶, Katherine Rankin¹, Bonnie Wong⁷, Julie Fields⁸, Bradley F Boeve⁹, Adam Boxer¹, Howie Rosen¹, Ashley Heywood¹, Joel Kramer¹, Adam M Staffaroni¹
¹Memory and Aging Center, UCSF Weill Institute for Neurosciences, University of California San Francisco, San Francisco, CA, USA. ²Department of Neurology, Mayo Clinic, Rochester, CA, USA. ³Department of Epidemiology and Biostatistics, University of California, San Francisco, San Francisco, CA, USA. ⁴Department of Quantitative Health Sciences, Mayo Clinic, Rochester, MN, USA. ⁵Department of Psychiatry and Behavioral Sciences, Northwestern University Feinberg School of Medicine, Chicago, IL, USA. ⁶Department of Neurology and Penn Frontotemporal Degeneration Center University of Pennsylvania Perelman School of Medicine, Philadelphia, PA, USA. ⁷Massachusetts General Hospital, Boston, MA, USA. ⁸Department of Psychiatry and Psychology, Mayo Clinic, Rochester, MN, USA. ⁹Department of Neurology, Mayo Clinic, Rochester, MN, USA

SLC Panel: Paving Your Own Path: Advocacy and Leadership in Neuropsychology

13:45 - 15:15 Friday, 6th February, 2026

Location: Salon D (Level 5)

Presentation type Student Event

This panel is a trainee-focused event hosted by the INS Student Liaison Committee (SLC). Trainees will have the opportunity to hear from fantastic career neuropsychologists who have played important roles in shaping the field of neuropsychology in their professional and/or geographical contexts. Panelists will answer questions about their unique experiences paving their careers in neuropsychology. Questions can be submitted in advance via the form below or brought to the event.

Panelists:

Lena Dobson, PhD

Maiko Sakamoto, PhD

Jennifer Tinker, PhD

Josh Fox-Fuller, PhD

Link to submit questions:

<https://forms.gle/GWdEmUveFzZXUCcU9>

Poster 07: Neuropsychology of Medical, Psychiatric, and Systemic Conditions

13:45 - 15:00 Friday, 6th February, 2026

Location: Franklin Hall B (Level 4)

Presentation type Poster Session

This session includes a poster symposium and posters. Scroll down to view all poster presentations and assigned poster board numbers.

Poster symposia are presented as regular posters, but are grouped together to allow their presenters to have a cohesive discussion with interested viewers.

P7-06 Influence of Processing Speed on the Relationship between Executive Functions and Everyday Functioning

Ashlyn Runk¹, Scott Royce², Meryl A Butters³,

Aristotle Voineskos⁴, Helen Lavretsky⁵, Joshua

Shimony⁶, Patrick Brown⁷, Matthew Calamia¹

¹Louisiana State University, Baton Rouge, LA, USA.

²University of Oklahoma Health Sciences, Oklahoma

City, OK, USA. ³University of Pittsburgh, Pittsburgh,

PA, USA. ⁴University of Toronto, Toronto, Canada.

⁵University of California Los Angeles, Los Angeles, CA,

USA. ⁶Washington University in St. Louis, St. Louis, MO,

USA. ⁷Columbia University, New York City, NY, USA

P7-07 Financial Vulnerability in Older Adults With and Without History of Repetitive Head Impact Exposure

Caroline S Altaras¹, Yorghos Tripodis¹, Brett Martin¹, Madison

Bouchard-Liporito¹, Joseph N Palmisano¹, Christopher J

Nowinski¹, Katherine W Turk¹, Andrew E Budson¹, Thor D

Stein¹, Ann C Mckee¹, Jesse Mez¹, Edward Huey², Stephanie

Cosentino³, Michael L Alosco¹, Preeti Sunderaraman⁴

¹Boston University, Boston, MA, USA. ²Butler Hospital,

Providence, RI, USA. ³Columbia University Medical

Center, New York, NY, USA. ⁴Warren Alpert Medical

School, Brown University, Providence, RI, USA

P7-08 Higher Remote Self-Administered Digital Memory Test Performance is Associated with Lower Odds of Functional Difficulties on the Functional Activities Questionnaire

Rita L Taylor¹, Ryan D Frank², Teresa J Christianson², Walter

K Kremers², Aimee J Karstens^{1,3}, John L Stricker⁴, Morgan

A Hughes⁵, John A Lucas⁶, Gregory S Day⁷, Johnathan

Graff-Radford⁸, Ronald C Petersen⁸, Nikki H Stricker¹

¹Mayo Clinic, Department of Psychiatry and Psychology,

Division of Neurocognitive Disorders, Rochester, MN, USA.

²Mayo Clinic, Department of Quantitative Health Sciences,

Division of Biomedical Statistics and Informatics, Rochester,

MN, USA. ³Rush University Medical Center, Department

of Neurological Sciences, Division of Movement Disorders,

Chicago, IL, USA. ⁴Mayo Clinic, Department of Information

Technology, Rochester, MN, USA. ⁵Mayo Clinic, Department

of Anesthesia and Perioperative Medicine, Rochester,

MN, USA. ⁶Mayo Clinic, Department of Psychiatry

and Psychology, Jacksonville, FL, USA. ⁷Mayo Clinic,

Department of Neurology, Jacksonville, FL, USA. ⁸Mayo

Clinic, Department of Neurology, Rochester, MN, USA

P7-09 Examining Ethnic Differences of Patients with the Functional Activities Questionnaire

Stacy Lim

The Chicago School of Professional

Psychology, Anaheim, CA, USA

P7-10 Grit as a Buffer in Everyday Functioning: Evidence from Performance-Based and Self-Report Measures
Stephanie M. Simone^{1,2}, Moira McKniff³, Marina Kaplan¹, Kimberly Halberstadter¹, Molly B. Tassoni¹, Sophia Holmqvist¹, Emma P. Rhodes⁴, Tania Giovannetti¹
1Temple University, Philadelphia, PA, USA. 2University of Michigan, Ann Arbor, MI, USA. 3Temple University, Philadelphia, PA, USA. 4University of Pennsylvania, Philadelphia, PA, USA

P7-11 Occipitoparietal Response to Vape Packaging with Food-Cues Indexes Visuospatial Saliency and Predicts Future Vaping Frequency in Young Adults
Jiaying Liu¹, Kaijie Zhang², Lawrence H. Sweet³
1University of California Santa Barbara, Santa Barbara, CA, USA. 2St. George's School, Vancouver, BC, Canada. 3University of Georgia, Athens, GA, USA

P7-12 Self-Rated and Task-Based Impulsivity in Schizophrenia, Cannabis Use Disorder, and their Comorbidity
Julia C Harris, Delaina B Cimmino, Grant G Moncrief, Mary F Brunette, Robert M Roth
Dartmouth Hitchcock Medical Center, Lebanon, NH, USA

P7-13 Cannabis Use Status Linked to Sleep Disturbance and Cognitive Performance
Manuelene M. Deigh, Ayanna Reid, Larry Keen II
Virginia State University, Petersburg, VA, USA

P7-14 Confabulations and False Recognitions in Korsakoff Syndrome: Evidence from an Ecological Virtual Reality Paradigm
Valentina La Corte^{1,2}, Kouloud Abichou¹, Capucine Flais³, Quentin Gaie¹, Selma Laraba¹, Pascale Piolino¹
1LMC², University Paris Cité, Paris, France. 2Institut Universitaire de France, Paris, France. 3Unité Serge Korsakoff, Hopital 92, Villeneuve la Garrene, France

P7-15 The Combined Effects of Smoked Δ^9 -Tetrahydrocannabinol (THC) and Divided Attention on Driving Simulator Performance
Jake A. Rattigan^{1,2}, Kyle F. Mastropietro^{1,2}, Mira Sur², Anya Umlauf², David J. Grelotti², Robert L. Fitzgerald³, Igor Grant², Thomas D. Marcotte²
1San Diego State University/University of California San Diego Joint Doctoral Program in Clinical Psychology, San Diego, California, USA. 2Center for Medicinal Cannabis Research, Department of Psychiatry, University of California San Diego, San Diego, California, USA. 3Center for Medicinal Cannabis Research, Department of Pathology, University of California San Diego, San Diego, California, USA

P7-16 The Relationship Between Childhood Lead Exposure and Neuropsychological Functioning in Young Adulthood
Sydney C. Sullivan¹, Vasilios Ikonomou^{1,2}, Bailey Wagaman¹,

Ivan Campbell¹, Katherine Hernandez¹, Adan Ton Loy¹, Celeste Reames¹, Michael Santa Maria³, Benjamin D. Hill¹
1University of South Alabama, Mobile, AL, USA. 2West Virginia University, Morgantown, WV, USA. 3Buffalo Neuropsychology, Williamsville, NY, USA

P7-17 Balancing Young Adults' Autonomy with Legal Protection: A Conceptual Framework for Neuropsychologists Assessing Capacity
Leah Bullinger¹, Michael Gottlieb¹, Jasmine G Hammer², C. Munro Cullum¹
1UT Southwestern, Dallas, TX, USA. 2Texas Scottish Rite Hospital, Dallas, TX, USA

P7-18 Exploring Knowledge of Neurodisabilities and Access to Education in Custody at a Youth Correctional Centre in Cape Town, South Africa
Winnie Nkoana^{1,2}, Leigh Schrieff-Brown², Nawal Mohamad³, Nina Steenkamp², Huw Williams⁴
1University of the Witwatersrand, Johannesburg, South Africa. 2University of Cape Town, Cape Town, South Africa. 3Queens College, New York, USA. 4University of Exeter, Exeter, Devon, United Kingdom

P7-19 Behavior Change with Intact Neurocognitive Abilities: A Multi-Case Study of "Frontal Lobe Paradox" due to Various Etiologies
Lynn A Schaefer¹, Thomas J Farrer²
1Nassau University Medical Center, East Meadow, NY, USA. 2School of Health and Medical Professions at the University of Idaho, Moscow, ID, USA

P7-20 Beyond Traditional Outcome Measures: Assessment-Informed Intervention in NMDAR Encephalitis.
Madeline Rahilly¹, Casey Wait², Kristen Wesbecher¹
1Brown University, Providence, RI, USA. 2William James University, Boston, MA, USA

P7-21 Rethinking the Role of Mood in Executive Functions After Traumatic Brain Injury
Andrea Vargas Ramírez¹, Daniel Walter López Hernández²
1Universidad de Monterrey, Monterrey, Nuevo León, Mexico. 2Alliant International University, Alhambra, California, USA

P7-22 Sex Differences in Post-Deployment Mental Health Outcomes
Caroline Bender^{1,2}, Nicholas J. Pastorek^{1,2}, Cardinal Do¹, Elisabeth A. Wilde^{2,3,4}, Michelle Yuen¹, Maya Troyanskaya^{1,2}
1Michael E. DeBakey Veterans Affairs Medical Center, Houston, TX, USA. 2Baylor College of Medicine, Houston, TX, USA. 3University of Utah School of Medicine, Salt Lake City, UT, USA. 4George E. Wahlen Veterans Affairs Medical Center, Salt Lake City, UT, USA

P7-23 The Role of COMTmet allele in PTSD Symptomatology and Executive Functioning in Older Veterans
Daya K. Grewal^{1,2}, Julie Gretler², Art Noda³,

Jerome A. Yesavage^{2,3}, Lisa M. Kinoshita²
¹Palo Alto University, Palo Alto, CA, USA. ²Veterans
 Affairs Palo Alto Health Care System, Palo Alto, CA, USA.
³Department of Psychiatry and Behavioral Sciences
 Stanford University School of Medicine, Palo Alto, CA, USA

P7-24 Sleep Quality and Impulse Control:
 Testing Cognitive Control as a Mediator
 Emily E Blunt¹, Nicole J Hegberg², Erin B Tone¹
¹Georgia State University, Atlanta, GA, USA. ²Central
 Virginia VA System, Richmond, VA, USA

P7-25 The Relationship Between Alpha
 Band Electroencephalography Connectivity
 and Self-Reported Depression
 Emily A. Manasian¹, Alina K. Dillahun¹, Jin Bo¹,
 Renée Lajiness-O'Neill^{1,2,3}, Naomi Hashimoto¹
¹Eastern Michigan University, Ypsilanti, MI, USA.
²University of Pittsburgh School of Medicine,
 Pittsburgh, PA, USA. ³University of Michigan,
 Michigan Medicine, Ann Arbor, MI, USA

P7-26 Depression, Emotion Regulation, and
 Limbic Gray Matter Volume: Interactive Effects
 of Suppression and Symptom Severity
 Gehna Gupta¹, Kyounggeon Lee^{1,2}, Vonetta M
 Dotson^{2,3,4,5}, Audrey Duarte⁶, Alexandra L Clark⁶
¹Neuroscience Institute, Georgia State University,
 Atlanta, GA, USA. ²Department of Psychology, Georgia
 State University,, Atlanta, GA, USA. ³Department of
 Neurology, Brigham & Women's Hospital, Boston, MA,
 USA. ⁴Department of Neurology, Harvard Medical School,
 Boston, Boston, MA, USA. ⁵Gerontology Institute, Georgia
 State University, Atlanta, GA, USA. ⁶Department of
 Psychology, University of Texas at Austin, Austin, TX, USA

P7-27 Examining Depressive Symptoms in
 Pre- and Postoperative Stages of Superficial
 Temporal Artery-Middle Cerebral Artery Bypass
 Surgery in Adults with Moyamoya Disease
 Justyna Piszczor^{1,2}, Neil H. Pliskin¹, Fady T. Charbel¹,
 Ali Alaraj¹, Sepideh Amin-Hanjani³, Fernando D.
 Testai¹, Jason R. Sobel¹, Matthew S. Phillips¹
¹University of Illinois College of Medicine, Chicago, IL,
 USA. ²The Chicago School, Chicago, IL, USA. ³Case
 Western Reserve University, Cleveland, OH, USA

P7-28 Neuropsychological correlates of the Alternative
 Model of Personality Disorders in older adults: A pilot study
 Lisa E. Stone-Bury, Rose Nyounway, Isabella Mantilla, Hailey
 Martchek, Kayla Cullinane, Emma Ginsburg, Sophie McTigue
 Bucknell University, Lewisburg, PA, USA

P7-29 Effects of Depression Severity and Sleep
 Disturbance on Trail Making Test Performance
 Marissa S Burch, Delaney A Whynot,
 Olivia Borth, Kim M DellAngela

The Chicago School, Chicago, IL, USA

P7-30 Neuropsychological and Interpersonal Functioning
 in Adults With and Without Major Depressive Disorder:
 Preliminary Results from the ENSURE Study
 Matthew Hutnyan¹, Vishal J. Thakkar¹, Aatika
 Parwaiz¹, David Denney², Aleksandra Foxwell¹,
 Tracy L Greer^{3,1}, Shawn M McClintock^{1,4}
¹UT Southwestern Medical Center, Dallas, Texas, USA.
²UT Tyler Health Science Center, Tyler, Texas, USA. ³UT
 Arlington, Arlington, Texas, USA. ⁴Perot Neuroscience
 Translational Research Center, Dallas, Texas, USA

P7-31 Intraindividual Variability in Cognitive Control
 and Daily Sleep as Predictors of Emotional and
 Behavioral Dysregulation in Emerging Adults
 Rebecca Griffith, Adriane Soehner
 University of Pittsburgh, Pittsburgh, PA, USA

P7-32 The Association Between Anxiety and Trail Making
 Test Performance in an Alzheimer's Disease Population
 Sara P. González Flores¹, Natalie Gevoglianian²,
 Daniel Walter López Hernández²
¹Tecnológico de Monterrey, Monterrey, Nuevo León, Mexico.
²Alliant International University, Alhambra, California, USA

P7-33 Age of Trauma Onset and Symptoms
 of Physiological Hyperarousal
 Shivani Desai, Alisa Huskey, William D.S. Killgore
 University of Arizona, Tucson, AZ, USA

P7-34 Exploring Associations Between Major Depressive
 Disorder History, Neurocognitive Deficits, and Assessment
 of Own Symptoms in People Living With HIV
 Victoria O. Chentsova¹, Crystal X. Wang²,
 Jennifer E. Iudicello², Robert K. Heaton²,
 Igor Grant², Mariana Cherner²
¹San Diego State University/University of California
 San Diego Joint Doctoral Program in Clinical
 Psychology, San Diego, CA, USA. ²University of
 California San Diego, San Diego, CA, USA

P7-35 Resting-State Burst Features within Alpha
 and Beta Oscillations are Differentially Associated
 with Autogenous and Reactive Obsessions
 Zachary T. Gemelli, John Balseiro, Zoe Luri, Han-Joo Lee
 University of Wisconsin Milwaukee, Milwaukee, WI, USA

P7-36 Self-Rated Executive Functioning in Schizophrenia,
 Cannabis Use Disorder, and their Comorbidity
 Christi L. Trask¹, Grant G. Moncrief^{2,3}, Mary
 F. Brunette^{2,3}, Robert M. Roth^{2,3}
¹The Ohio State Wexner Medical Center, Department
 of Psychiatry and Behavioral Health, Columbus,
 Ohio, USA. ²Dartmouth Health, Department of
 Psychiatry, Lebanon, NH, USA. ³Geisel School of
 Medicine at Dartmouth, Lebanon, NH, USA

P7-37 PVT Failure Among Patients with Schizophrenia Spectrum Disorder and Other Serious Mental Illness in the Inpatient Setting
Christine M. Bushell, Melissa A. Myers, Robert M. Roth, Grant G. Moncrief
Dartmouth Hitchcock Medical Center, Lebanon, NH, USA

P7-38 Factor Analysis of a Brief Symptom Scale for First-Episode Psychosis
Craig R. Miller¹, Stephan Taylor¹, Alan Breier², Cynthia Burton¹
¹University of Michigan, Ann Arbor, MI, USA.
²Indiana University, Indianapolis, IN, USA

P7-39 Exploring Brain Structure Abnormalities in Elderly Persons with Schizophrenia
Kate Maxwell, Madalyn Schomber, Haley Kurtz
Wright State University, Dayton, OH, USA

P7-40 Aberrant Cortical-Subcortical-Cerebellar Connectivity in Resting-State Functional Magnetic Resonance Imaging as an Imaging Marker of Schizophrenia and Psychosis: A Systematic Review of Data-Driven Whole-Brain Functional Connectivity Analyses
Kyle M. Jensen^{1,2}, Tricia Z. King³, Pablo Andrés-Camazón⁴, Vince D. Calhoun^{1,2}, Armin Iraj^{1,2}
¹Georgia State University, Atlanta, GA, USA. ²Tri-Institutional Center for Translational Research in Neuroimaging and Data Science (TReNDS), Atlanta, GA, USA. ³Nell Hodgson Woodruff School of Nursing, Emory University, Atlanta, GA, USA. ⁴Institute of Psychiatry and Mental Health, Hospital General Universitario Gregorio Marañón, IISGM, CIBERSAM, ISCIII, School of Medicine, Universidad Complutense, Madrid, Spain

P7-41 Community-Level Socioeconomic Factors Influence Cognitive and Psychosocial Outcomes in Patients with Sickle Cell Disease
Aida Xue, Olivia Freeman, Jason Hodges, Jiamin Yin, Jennifer Longoria, Brian Potter, Jane S. Hankins, Clifford Takemoto, Guolian Kang, Andrew Heitzer
St. Jude Children's Research Hospital, Memphis, USA

P7-42 Clinical Outcomes Assessments for Childhood Cerebral Adrenoleukodystrophy in the Era of Newborn Screening
Alexandra E Miles, Jacob Lundquist, Alexis Friesen, Eric Feczko, Jacqueline Roueche, Paul J Orchard, Troy Lund, Ashish Gupta, Julie Eisengart, Elizabeth Pierpont
University of Minnesota, Minneapolis, MN, USA

P7-43 Mathematical and Numerical Skills in Women with a Fragile X Premutation Allele with and without Fragile X-associated Primary Ovarian Insufficiency
Amanda Kenepf^{1,2}, Shira Russell-Giller^{1,2}, Natalia Mejia¹, Elizabeth Yakubova¹, Jordan

Dickson¹, Emily G Allen³, Veronica Hinton¹
¹Queens College CUNY, Flushing, NY, USA.
²The Graduate Center CUNY, New York, NY, USA. ³Emory University, Atlanta, GA, USA

P7-44 Cognitive Functioning in Glycogen Storage Disease Type III: Insights from a Neuropsychological Case Report
Jessie S Jenson, Kimberly Kimchi
The University of Missouri, Columbia, MO, USA

P7-45 Let's Talk About Language Development in Neurofibromatosis-1
Kelly Janke^{1,2}, Zoe Kearns¹, Danielle Lawler¹, Madison Nguyen¹
¹Children's Hospital of Philadelphia, Philadelphia, PA, USA. ²Perelman School of Medicine of the University of Pennsylvania, Philadelphia, PA, USA

P7-46 Sleep and Neurocognitive Performance in Patients with Sickle Cell Disease
Olivia G Freeman, Aida Xue, Yunus Olufadi, Jennifer Longoria, Brian Potter, Jane S Hankins, Parul Rai, Zachary Abramson, Guolian Kang, Andrew Heitzer
St. Jude Research Hospital, Memphis, TN, USA

P7-47 Neuropsychological Consultation in Genetic Diseases: Fahr's Disease, Bilateral Basal Ganglia Calcifications, and a Rare Seizure Disorder
Patricia A. Pimental^{1,2}, Anna Ciampantelli¹, Lauren Steidl^{1,2}
¹Neurobehavioral Medicine Consultants Ltd., Elmhurst, IL, USA. ²Midwestern University, Downer's Grove, IL, USA

P7-48 Piloting use of the Developmental Assessment of Young Children, Second Edition in Individuals with SCN2A-Related Disorder to Inform Outcome Measure Selection for Clinical Trials
Rachel Northrup¹, Mary Wojnarowski², Gabrielle Conecker³, Jayetta Hecker³, Leah Schust Myers⁴, Jenny Downs⁵, Anne T Berg⁴, Natasha N Ludwig¹
¹Kennedy Krieger Institute/Johns Hopkins School of Medicine, Baltimore, MD, USA. ²Nationwide Children's Hospital/Ohio State University, Columbus, OH, USA. ³Decoding Developmental Epilepsies, Washington D.C., USA. ⁴FamilieSCN2A Foundation, East Longmeadow, MA, USA. ⁵Telethon Kids Institute, Perth, Australia

P7-49 Neuropsychological and Psychological Functioning in a Rare Case of 3q29 Deletion
Simran Mahabaleshwarkar, Tarryn Basson, Kara Garland, Michael Daniel
Pacific University, Hillsboro, Oregon, USA

P7-50 Family Social Dynamics Across the Coronavirus Pandemic
Aliyah I. Webb^{1,2}, Saachi Kuthe¹, Whitney I. Mattson¹, Aaron McAllister^{3,4}, Eric E. Nelson^{1,5}, Christine Koterba^{5,6}, Kristen R. Hoskinson^{1,5}

1Center For Biobehavioral Health, Abigail Wexner Research Institute, Nationwide Children's Hospital, Columbus, Ohio, USA. 2University of Nebraska-Lincoln, Lincoln, Nebraska, USA. 3Division of Radiology, Nationwide Children's Hospital, Columbus, Ohio, USA. 4Department of Radiology, The Ohio State University College of Medicine, Columbus, Ohio, USA. 5Department of Pediatrics, The Ohio State University College of Medicine, Columbus, Ohio, USA. 6Section of Pediatric Neuropsychology, Nationwide Children's Hospital, Columbus, Ohio, USA

P7-51 Effects of Cannabis on Neurocognition: Moderating effects of disease severity among people living with HIV
Ashley R. Adams, Sarah M. Lehman, Erin L. Thompson, Christine M. Kaiver, Samuel W. Hawes, Raul Gonzalez
Florida International University, Miami, FL, USA

P7-52 Recent Cocaine Use Influences Executive Function in Minorities With Human Immunodeficiency Virus
Anushka K. Soni¹, Fátima I. Porragas Cantú², Raymundo Cervantes³, Esteban Valenzuela Romero⁴, Ana Minakata⁴, Sara P. González Flores⁴, María I. del Villar Basauri⁵, Silvia J. Rodríguez González⁴, Jéssica V. Bautista Martínez⁴, José R. Andrade Velasco⁴, Natalie Gevoglianian³, Daniel Walter López Hernández³
1Azusa Pacific University, Los Angeles, California, Mexico. 2Tecnológico de Monterrey, Tlalpan, Ciudad de México, Mexico. 3Alliant International University, Alhambra, California, USA. 4Tecnológico de Monterrey, Monterrey, Nuevo León, Mexico. 5Universidad de Monterrey, Monterrey, Nuevo León, Mexico

P7-53 Relationship Between Perceived Stress and Executive Functioning: Moderation by General Anxiety Symptoms, Depression Symptoms, and CD4 T-Cell Count in a NYC HIV+ Adult Cohort
Hanna Lissinna¹, Johnny Lopez², Nicolette Kumkowski¹, Jairo Gonzalez¹, Susan Morgello¹
1Icahn School of Medicine at Mount Sinai, New York, NY, USA. 2Queens College, City University of New York, New York, NY, USA

P7-54 Depression Severity Influences Executive Function in People Living With Human Immunodeficiency Virus
José Rodrigo Andrade Velasco¹, Nicole Feeney², Raymundo Cervantes³, Maura Villalobos San José⁴, Esteban Valenzuela Romero¹, Jéssica Valeria Bautista Martínez¹, Sara Paola González Flores⁵, Armando Acuña Rodríguez⁵, Daniel Walter López Hernández³
1Tecnológico de Monterrey, Monterrey, Nuevo León, Mexico. 2UCLA, Los Angeles, CA, USA. 3Alliant International University, Alhambra, CA, USA. 4Tecnológico de Monterrey, Tlalpan, Ciudad de México, Mexico. 5Tecnológico de Monterrey, Monterrey, Nuevo León, USA

P7-55 Successful Aging and Neurocognition in HIV and Aging Among Hispanic/Latino People

L. C. Vera Murillo¹, E. Griffith², L. Sanabria¹, A. White¹, M. Cherner^{3,4}, R. K. Heaton^{3,4}, R. J. Ellis^{3,4}, M. J. Marquine¹
1Duke University, Durham, NC, USA. 2Utah State University, Logan, UT, USA. 3University of California, San Diego, CA, USA. 4HIV Neurobehavioral Research Program, San Diego, CA, USA

P7-56 Adverse and Protective Predictors of Change in Everyday Functioning Across Two Years in Adults Aging with HIV
Lillian Ham^{1,2}, Donald R Franklin^{2,3}, Ronald J Ellis^{2,3}, Scott Letendre^{2,3}, Igor Grant^{2,3}, David J Moore^{2,3}
1SDSU/UC San Diego Joint Doctoral Program in Clinical Psychology, San Diego, CA, USA. 2HIV Neurobehavioral Research Program, San Diego, CA, USA. 3UC San Diego, La Jolla, CA, USA

P7-57 Living With Human Immunodeficiency Virus and Borderline Symptoms of Depression Influences Verbal Learning and Memory
María I. del Villar Basauri¹, Andrea Vargas Ramírez¹, Nicole Feeney², Natalie Gevoglianian³, Sandra Meza Cavazos¹, Ana Minakata⁴, Raymundo Cervantes³, Jéssica V. Bautista Martínez⁴, Adriana A. Silva Cruz⁵, Ana V. De Anda Roa¹, José R. Andrade Velasco⁴, Daniel Walter López Hernández³
1Universidad de Monterrey, Monterrey, Nuevo León, Mexico. 2UCLA, Los Angeles, California, USA. 3Alliant International University, Alhambra, California, USA. 4Tecnológico de Monterrey, Monterrey, Nuevo León, Mexico. 5Tecnológico de Monterrey, Tlalpan, Ciudad de México, Mexico

P7-58 Depression Severity Influences Psychomotor Abilities in Individuals Living With Human Immunodeficiency Virus
Nicole Feeney¹, Daniel Walter López Hernández²
1UCLA, Los Angeles, CA, USA. 2Alliant International University, Alhambra, CA, USA

P7-59 Examining Failure Rates on California Verbal Learning Test-Second Edition Total Learning Performance Validity in Human Immunodeficiency Virus and Depression
Nicole Feeney¹, Natalie Gevoglianian², Daniel Walter López Hernández²
1UCLA, Los Angeles, CA, USA. 2Alliant International University, Alhambra, CA, USA

P7-60 Consistently Reported Sleep Quality and Neurocognition in People Living with Human Immunodeficiency Virus
Nicolette Kumkowski^{1,2}, Desiree Byrd^{1,2}, Hanna Lissinna², Susan Morgello²
1Queens College, City University of New York (CUNY), Flushing, NY, USA. 2Icahn School of Medicine at Mount Sinai, New York, NY, USA

P7-61 Including Errors to Standard Neuropsychological Scores May Increase Sensitivity to HIV-Associated Neurocognitive Disorder

Ramana Housman, Matthew Harris, Monica Maria Diaz
University of North Carolina at Chapel
Hill, Chapel Hill, NC, USA

P7-62 Investigation of Pain and Age on Activities of Daily
Living in People with Human Immunodeficiency Virus
Rylea M Ranum¹, Michael W Williams¹,
Justin E Karr², Steven P Woods¹
¹University of Houston, Houston, TX, USA.
²University of Kentucky, Lexington, KY, USA

P7-63 Comparing Agreement Between Subjective
and Objective Sleep Measures in Retired Night
Shift Workers and Retired Day Workers
Annalise R Bobrow, Ellie Rapp, Matthew Lehrer
University of Pittsburgh, Pittsburgh, PA, USA

P7-64 Daytime Sleepiness as a Link
Between Sleep Quality and Vigilance
Enchi Dai^{1,2}, Steven A. Abalos³, Brian M. Cerny²,
Malorie E. Watson², Matthew S. Phillips², Woojin Song²,
Neil H. Pliskin², Kyle J. Jennette², Jason R. Soble²
¹Roosevelt University, Chicago, IL, USA.
²University of Illinois Chicago, Chicago, IL, USA.
³The Chicago School, Chicago, IL, USA

P7-65 The Relationship Between Attentional Variability
and Emotional Variability in a Sleep Deprivation Paradigm
Keanu Crawshaw, David Negelsbach,
William D Killgore, Catherine Seader
University of Arizona, Tucson, AZ, USA

P7-66 Sleep Disordered Breathing, Cognitive
Function, and Obesity Among Adolescents
Theresa Lin, Caitlin C. Dougher, Kayri K.
Bartolotta, Molly E. Zimmerman
Fordham University, Bronx, NY, USA

P7-67 Resting-State Alpha Power Reveals
Neural Vulnerability in Natural Short Sleepers
Despite Intact Cognitive Performance
Tuan Z Cassim, Sydney Josifek, Payton Nagy,
Paula G Williams, Matthew J Euler
University of Utah, Salt Lake City, UT, USA

P7-68 Cognitive Difficulties Among Residents in Puerto
Rico with Gastrointestinal Conditions: Preliminary Findings
Aracelis Pérez-Méndez, Bethany H. Herdmann-Burgos,
Marielane Cancel-García, Geraldine Méndez-González,
Mario E. Bermonti-Pérez, Giselle Cordero-Arroyo
Ponce Health Sciences University, Ponce, Puerto Rico, USA

P7-69 Misalignment of Subjective Appraisal of
Memory Impairments and Performance on Objective
Memory Measures in Transplant Candidates
Brooke Benowitz, Ashley Levenson, Reilly Keyes,
Katherine S. Payne, Jason R. Soble, Kyle J. Jennette

University of Illinois - Chicago, Chicago, Illinois, USA

P7-70 Sex-Specific Effects of Cholesterol on the Relationship
Between Amyloid and Tau Burden in Older Adults
Carina Lo, Valentina E Diaz, Lana S Callies, Coty Chen,
Sophia Licata, Jessica Buxton, Julia Borger, Laura
Fenton, Claire Yballa, Renaud La Joie, Albert Pham,
Claire J Cadwallader, Shubir Dutt, Rowan Saloner, Joel
H Kramer, Emily W Paolillo, Kaitlin B Casaletto
Memory and Aging Center, UCSF Weill Institute
for Neurosciences, San Francisco, CA, USA

P7-71 Underserved and Overlooked: Examination of
Neuropsychological Needs in Pediatric Vascular Anomalies
Delaney Smith¹, Megan N Perez², Kathleen Rooney², Denise
Adams², Michael Fox², Sally Cohen-Cutler², Sumukh
Kumar², Tyson Echols², Zoe Kearns², Sarah Powell²
¹University of Pennsylvania, Philadelphia, Pennsylvania,
USA. ²Children's Hospital of Philadelphia, Philadelphia, USA

P7-72 Dysexecutive Syndrome in CNS
Lymphoma: A Clinical Vignette
Hevylia Terlau, Jennifer Caruso, Kristin Slyne
Hartford HealthCare / Institute of Living, Hartford, CT, USA

P7-73 Breast Cancer Survivors Exhibit Elevated
Rates of Inattention and Poor Vigilance on the
Conners Continuous Performance Test-3
Jeffrey S Wefel, Kyle R Noll, Catherine M
Sullaway, Mariana E Bradshaw
The University of Texas MD Anderson
Cancer Center, Houston, TX, USA

P7-74 Cognition and Vascular Comorbidity
Burden: Baseline Correlates and Predictive
Value for Lumbar Drain Responsiveness
Madelyn Fisher, Farida M.H. Mahmoud,
Peter Warnke, Maureen A Lacy
University of Chicago, Chicago, Illinois, USA

P7-75 Cognitive Predictors of Organ Transplant
Candidacy Denial or Deferment
Stephanie L McManimen¹, Kara Wozniak², Kamara
Applegate², Christi Trask², Christopher M Nguyen²
¹University of Minnesota, Minneapolis, MN,
USA. ²The Ohio State University Wexner
Medical Center, Columbus, OH, USA

P7-76 Seizures in Pediatric Brain Tumor
Patients: Medical and Sociodemographic Risk
Factors and Neuropsychological Impact
Aanya Shah¹, Rachel Peterson²
¹Johns Hopkins University, Baltimore, MD, USA.
²Kennedy Krieger Institute, Baltimore, MD, USA

P7-77 Optimizing Outcomes: The Role of Early Rehab,
Academic Support and VP Shunt Monitoring in

Pediatric Brain Tumor Recovery- A Case Study
Alexandra Schwartz, Niharika Verma, Kayleen Ball
Nicklaus Children's Hospital, Miami, Florida, USA

P7-78 Examining Cognition and Sleep in
Young Adult Cancer Survivors
Brenda E Mitchell¹, Emma Nelson², Kimberley
Heinrich¹, Kaitlin Oswald-McCloskey¹
¹University of Michigan/Michigan Medicine,
Ann Arbor, Michigan, USA. ²University of
Michigan, Dearborn, Michigan, USA

P7-79 Assessing the Association Between the
Bayley Scales of Infant Development (BSID) and the
Wechsler Preschool and Primary Scale of Intelligence
(WPPSI) in Young Children with Spina Bifida
Danielle Griffin¹, Andrew Lenart², Shreya
Mehta^{2,3}, Leny Mathew², Joy Bergmann¹, Thomas
Reynolds², Gregory Heuer⁴, Jane E Schreiber¹
¹Children's Hospital of Philadelphia, Department of Child
and Adolescent Psychiatry and Behavioral Sciences,
Philadelphia, PA, USA. ²Children's Hospital of Philadelphia,
Richard D. Wood Jr. Center for Fetal Diagnosis and
Treatment, Philadelphia, PA, USA. ³University of
Pennsylvania, Perelman School of Medicine, Department of
Neurosurgery, Philadelphia, PA, USA. ⁴Children's Hospital
of Philadelphia, Neurosurgery and Pediatric General,
Thoracic and Fetal Surgery, Philadelphia, PA, USA

P7-80 Family Environmental Predictors of Psychosocial
Outcomes in Sonic Hedgehog Medulloblastoma
Survivors Treated Without Radiation
Elizabeth Malkin, PsyD¹, Kathryn A. Vannatta, PhD²
¹Memorial Sloan Kettering, NYC, New York, USA.
²Nationwide Children's Hospital, Columbus, Ohio, USA

P7-81 Relationship Between Subjective and
Objective Cognitive Function in Children
with Congenital Hyperinsulinism
Elizabeth Rosenfeld^{1,2}, Sophie Foss¹, Olivia Taylor¹,
Nina H Thomas^{1,2}, Ana Maria Arbelaes³, Sara B
DeMauro^{1,2}, Justine Shults¹, Diva D De Leon^{1,2}
¹Children's Hospital of Philadelphia, Philadelphia, PA,
USA. ²Perelman School of Medicine, University of
Pennsylvania, Philadelphia, PA, USA. ³Washington
University School of Medicine, St. Louis, MO, USA

P7-82 Comparing multilingual and monolingual pediatric
oncology patients: a retrospective clinical data analysis
Emily J Carlson^{1,2}, Caitlyn J Cap^{1,2}, Christina
Thomas^{1,2}, Meredith Goyette¹, Megan Knauss¹,
Jarrod J Sotos¹, Sofia Ladley¹, Karin S Walsh¹
¹Children's National Hospital, Washington, DC,
USA. ²George Washington University School
of Medicine, Washington, DC, USA

P7-83 Neuropsychological Profile of Sotos

Syndrome: A Case Study Comparison
Kristen Mulcahy, Cassandra Lewandowski,
Amanthi Ranatunga, Hannah Richardson
Spalding University, Louisville, KY, USA

P7-84 Cognitive Reserve and Burkitt
Lymphoma: A Case Study
Kristen Mulcahy, Angelo Petracci, Cassandra
Lewandowski, Amanthi Ranatunga, Hannah Richardson
Spalding University, Louisville, KY, USA

P7-85 Long-term cognitive and adaptive
outcomes following carrier donor Hematopoietic
Cell Transplantation in Hurler syndrome
Laisa L Forestier Perez, Paul J Orchard, Ashish
Gupta, Kelly E King, Brianna Yund, Chester
Whitley, Julie Eisengart, Troy Lund
University of Minnesota, Minneapolis, MN, USA

P7-86 Exploring Executive Functioning in Kabuki Syndrome
Lauren M Meier, Rowena Ng, Jacqueline Harris
Kennedy Krieger Institute, Baltimore, MD, USA

P7-87 Cognitive Outcomes in Survivors of
Pediatric Brain Tumors: The Role of Neurological
Risk, Fatigue, and Childhood Opportunity
Manali Zope¹, Iris Paltin^{1,2}, Peter Fantozzi¹, Amanda
Swartz¹, Angelina Baker¹, Matthew C. Hocking^{1,2}
¹The Children's Hospital of Philadelphia, Philadelphia, PA,
USA. ²Perelman School of Medicine, Philadelphia, PA, USA

P7-88 Correlation between performance-based and
parent-report measures of executive functioning
in pediatric oncology patients before chimeric
antigen receptor (CAR) T-cell therapy.
May V. Albee^{1,2}, Alannah Srsich³,
Hannah-Lise T. Schofield^{2,4}
¹Temple University, Department of Psychology and
Neuroscience, Philadelphia, PA, USA. ²Children's
Hospital of Philadelphia (CHOP), Department of Child
and Adolescent Psychiatry and Behavioral Sciences/
Division of Oncology, Philadelphia, PA, USA. ³Georgia
State University, Department of Psychology, Atlanta,
GA, USA. ⁴University of Pennsylvania, Perelman
School of Medicine, Philadelphia, PA, USA

P7-89 Exploring the Impact of Neighborhood Disadvantage
on the Concordance Between Parent-Reported and
Performance-Based Attention and Executive Functioning
in Pediatric Leukemia/Lymphoma Survivors
Mithila Mahale¹, Jenna A Chiang^{1,2,3}, Kelsey
Hawthorne¹, Melissa Balderrama^{1,3}
¹Cancer and Blood Disease Institute, Children's
Hospital Los Angeles (CHLA), Los Angeles, CA,
USA. ²Neurological Institute, CHLA, Los Angeles,
CA, USA. ³University of Southern California (USC),
Keck School of Medicine, Los Angeles, CA, USA

P7-90 Exploring Caregiver Awareness of Cognitive Profiles and Intervention in Turner Syndrome
MITRA KUMARESWARAN, Lauren Scimeca, Wendy Brickman, Danielle Lee, Allison Weisman, Sheetal Patel, Reema Habiby, Lizabeth Jordan Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA

P7-91 Neurocognitive Sequelae in a Pediatric Patient with End-Stage Renal Disease and Dual Cerebrovascular Accidents: A Case Illustrating Missed Opportunities for Early Neuropsychological Intervention and Integrated Care
Natalie F Edman^{1,2,3}, Briana Calcagno-Davi^{1,2,3}
¹Staten Island University Hospital, Northwell Health, Staten Island, New York, USA. ²Ferkauf Graduate School of Psychology, Yeshiva University, Bronx, New York, USA. ³BCD Psychological Services, New York, New York, USA

P7-92 Beyond the Skull: Bilingual Pediatric Neuropsychological Evaluation in Crouzon Syndrome
Neida Del Real¹, Connor Seiferth¹, Laura Winstone-Weide²
¹Northern Arizona University, Phoenix, Arizona, USA. ²Phoenix Children's Hospital, Phoenix, Arizona, USA

P7-93 The Neuropsychological Profile of a Pediatric Patient with Congenital Central Hypoventilation Syndrome: A Case Study
Gianna Scimemi, M.A.¹, Samantha Sorid, M.A.², Nina Hattiangadi Thomas, Ph.D., ABPP-CN^{3,4}
¹Saint Elizabeth University, Florham Park, NJ, USA. ²Temple University, Philadelphia, PA, USA. ³The Children's Hospital of Philadelphia, Department of Child and Adolescent Psychiatry and Behavioral Sciences, Philadelphia, PA, USA. ⁴The University of Pennsylvania, Department of Psychiatry, Philadelphia, PA, USA

P7-94 The Neuropsychological Profile of an 18-Year-Old Female with Heterozygous ACTL6B Variation
Sarah E Brooks¹, Yangfeifei Gao²
¹Northwestern University, Chicago, IL, USA. ²University of Chicago, Chicago, IL, USA

P7-95 Associations Between Self- and Parent-Reported Health-Related Quality of Life and Neurocognitive Performance on the NIH Toolbox V2 in Pediatric Brain Tumor Survivors and Healthy Matched Controls
Stephanie N. Steinberg¹, Sameera Ramjan¹, Behroze A. Vachha², Andrei I. Holodny¹, Kathryn R. Tringale³, Stephen A. Sands¹
¹Memorial Sloan Kettering Cancer Center, New York, NY, USA. ²UMass Memorial Medical Center, Worcester, MA, USA. ³UC San Diego, La Jolla, CA, USA

P7-96 Differential Effects of Alcohol Use Disorder on Processing Speed and Executive Functioning
Michelle Perez¹, Colleen Markey², Michael Amlung³,

Emily MacKillop⁴, James MacKillop⁴, Lawrence Sweet¹
¹University of Georgia, Athens, Georgia, USA. ²University, Athens, Georgia, USA. ³University of Kansas, Lawrence, Kansas, USA. ⁴MacMaster University, Hamilton, Ontario, Canada

P7-01 Advancing Neuropsychological Assessment and Care for People with Long COVID Across the Lifespan Chair

Jacqueline H. Becker
Icahn school of medicine at mount sinai, new york, new york, USA

Discussant (Optional)

Jacqueline H. Becker
icahn school of medicine at mount sinai, new york, new york, USA

Summary Abstract

The Post-Acute Sequelae of SARS-CoV-2 infection (PASC) or "Long COVID" presents with a constellation of cognitive, psychiatric, and medical symptoms that challenge traditional models of neuropsychological assessment and care. Cognitive difficulties are among the most common and distressing symptoms reported by both adults and children with Long COVID, yet the mechanisms underlying these difficulties are heterogeneous and shaped by a range of biological, psychological, and social factors. In the era of innovation, neuropsychologists are uniquely positioned to develop novel approaches to assessment, intervention, and healthcare integration for this growing patient population. This symposium brings together cutting-edge research examining the cognitive and psychiatric sequelae of Long COVID across the lifespan, with a particular focus on innovative models of care and the contextual factors shaping outcomes. The first presentation, by Dr. Katherine Hackett, will highlight an innovative model for embedding neuropsychology into adult primary care to facilitate early identification, triage, and intervention for cognitive dysfunction in Long COVID. This integrated approach demonstrates how neuropsychologists can expand access to timely care and address gaps in the current healthcare system. The second talk, by Ms. Asli Akkok and Dr. Jacqueline Becker, will explore how social determinants of health shape cognitive outcomes in adults with Long COVID, emphasizing the importance of contextual and structural factors in understanding disparities in presentation and treatment needs. This work underscores the necessity of moving beyond purely biomedical models to incorporate broader determinants of cognitive health. The third presentation, by Mr. Nicholas Hasapes and Dr. Rowena Ng, shifts focus to the pediatric population, describing the impact of headaches and psychiatric symptoms on cognitive performance in children and adolescents with Long COVID. Findings from this research illustrate the complex interplay of somatic and emotional factors on neurocognitive outcomes in youth and highlight opportunities for targeted interventions.

The fourth talk, by Ms. Audrey Davis and Dr. Rowena Ng, further examines pediatric Long COVID by investigating associations between subjective cognitive difficulties, objective cognitive performance, psychiatric symptoms, and quality of life. This work addresses the critical question of how perceived and measured impairments align and interact, with direct implications for clinical practice and family-centered care. Together, these presentations advance understanding of Long COVID by addressing both adult and pediatric populations, integrating perspectives from healthcare innovation, health equity, and developmental neuropsychology. The Chair and discussant, Dr. Jacqueline Becker, will integrate these themes and highlight opportunities for neuropsychologists to lead in innovative models of care, research, and advocacy for individuals living with Long COVID. This symposium will provide attendees with a comprehensive overview of state-of-the-art research in Long COVID, offering practical insights into how neuropsychologists can adapt and innovate in response to emerging public health challenges. By situating Long COVID within the broader theme of neuropsychology in the era of innovation, this session will foster dialogue about the evolving role of the field in addressing novel conditions that demand flexible, interdisciplinary, and socially informed approaches.

Keyword 1

cognitive functioning

Keyword 2

brain health equity

Keyword 3

pediatric neuropsychology

P7-02 A Novel Primary Care-Embedded Neuropsychological Screening Pathway for Cognitive Concerns in Long COVID

Katherine Hackett¹, Eric Watson¹, Asli Akkok², Fernando Carnavali¹, Rachel Engelberg¹, Mary Fishman¹, Melissa Mazor¹, Alex Federman¹, Juan Wisnivesky¹, Jacqueline Becker¹

¹Icahn school of medicine at mount sinai, new york, new york, USA. ²Sophie Davis school of biomedical education, new york, new york, USA

P7-03 The Impact of Social Determinants of Health on Cognitive Impairment in Long COVID

Asli Akkok¹, Ditian Li², Juan Wisnivesky², Jacqueline Becker²

¹sophie davis school of biomedical education, new york, ny, USA. ²icahn school of medicine at mount sinai, new york, ny, USA

P7-04 Cognitive Performance in Pediatric Long COVID:

Effects of Headaches and Psychiatric Symptoms

Nicholas Hasapes^{1,2}, Gray Vargas², Kathleen Parker², Laura Malone², Kavita Nadendla², Audrey Davis², Rowena Ng²
¹loyola university maryland, baltimore, MD, USA.

2kennedy kriegler institute, baltimore, md, USA

P7-05 Associations Between Subjective Cognitive Difficulties, Cognitive Test Performance, Psychiatric Symptoms, and Quality of Life in Pediatric Long COVID

Audrey Davis^{1,2}, Gray Vargas², Kathleen Parker², Laura Malone², Kavita Nadendla², Rowena Ng²
¹loyola university maryland, baltimore, md, USA.
²kennedy kriegler institute, baltimore, md, USA

Exhibits Open

13:45 - 17:00 Friday, 6th February, 2026

Location: Franklin Hall B (Level 4)

Presentation type Exhibitors & Sponsors

Coffee Break

15:15 - 15:30 Friday, 6th February, 2026

Location: Franklin Hall B (Level 4)

Presentation type Other

Poster 08: Interventions and Assessments for Brain Health Across the Lifespan

15:15 - 16:30 Friday, 6th February, 2026

Location: Franklin Hall B (Level 4)

Presentation type Poster Session

This session includes a poster symposium and posters. Scroll down to view all poster presentations and assigned poster board numbers.

Poster symposia are presented as regular posters, but are grouped together to allow their presenters to have a cohesive discussion with interested viewers.

P8-11 Baseline Cognition at Inpatient Rehabilitation Admission Predicts Discharge Outcomes

Alli Hollender¹, Serena Veith¹, Julianne Lawson², Karen Valdesuso¹

¹Staten Island University Hospital (Northwell Health), New York, NY, USA. ²Long Island University - Brooklyn, New York, NY, USA

P8-12 Processing Speed Moderates Treatment Response in Veterans with Treatment Resistant Depression

Nicole D. Evangelista^{1,2}, Michelle R. Madore^{1,2}, Jerome A. Yesavage^{1,2}, J. Kaci Fairchild^{1,2}

¹Sierra Pacific Mental Illness Research, Education, and Clinical Center, VA Palo Alto Health Care System, Palo Alto, CA, USA. ²Department of Psychiatry and Behavioral Sciences, Stanford University School of Medicine, Stanford, CA, USA

P8-13 A randomized sham-controlled trial of the acute effects of transcranial photobiomodulation (tPBM) on neural and behavioral measures of inhibitory control

Anna Wheeler, Eliza Young, Thomas Baldwin, Kevin Olpin, Tanner Jensen, John Livingstone, Miriam Brown, Bethany Hartwell, Jacob Langston, Calleb Doult, Sophia

Cranney, Grace Walker, Jocelyn Carter, Michael J Larson
Brigham Young University, Provo, UT, USA

P8-14 Neuropsychological Domains of Intellectual Functioning, Executive Functioning, and Verbal Skills of Justice-Involved Youth
Becca K. Bergquist¹, Arianna D. Albertorio², Victoria E. Dennis², Alexandra C. Bammel², Adam T. Schmidt²
¹Cuyahoga County Common Pleas Court, Cleveland, Ohio, USA. ²Texas Tech University, Lubbock, Texas, USA

P8-15 A Potential Tool for Enhancing Motivated Learning from Cognitive Performance Feedback in Individuals with Multiple Sclerosis: A Pilot Investigation of the Feedback Value Training Paradigm
Christopher J. Cagna^{1,2}, Kai Sucich¹, John DeLuca^{1,2}, Ekaterina Dobryakova^{1,2}
¹Kessler Foundation, East Hanover, NJ, USA. ²Rutgers - New Jersey Medical School, Newark, NJ, USA

P8-16 Software-Based Cognitive Remediation and Improvement in Cognitive Functioning Following Acute Cerebrovascular Accident and Traumatic Brain Injury
Evan Clise^{1,2}, Karen Valdesuso¹, Noreen Raja¹
¹Northwell Health/Staten Island University Hospital, Staten Island, NY, USA. ²Florida Institute of Technology, Melbourne, FL, USA

P8-17 On-TRACC: A clinical bridge to comorbidity management for Veterans with persistent cognitive post-concussive symptoms.
Kathleen Pagulayan¹, Holly Rau¹, Jennifer Bambara², Rishika Das², Nick Sibiryakov², Jeanne Hoffman¹, Rhonda Williams²
¹University of Washington, Seattle, USA. ²VA Puget Sound, Seattle, USA

P8-18 An Examination of the Relationship between Subjective Self-Regulatory Difficulties and Functional Outcomes among Veterans with and without Traumatic Brain Injury
Mollie A. McDonald^{1,2}, Nathan Kimbrel^{3,2,4}, Robin Hurley^{1,2,5}, Richard Kennerly¹, Robert Shura^{1,2,6}
¹W. G. (Bill) Hefner VA Healthcare System, Salisbury, NC, USA. ²Mid-Atlantic Mental Illness Research, Education, and Clinical Center (MIRECC), Durham, NC, USA. ³Durham VA Health Care System, Durham, NC, USA. ⁴Department of Psychiatry and Behavioral Sciences, Duke School of Medicine, Durham, NC, USA. ⁵Department of Psychiatry, Wake Forest School of Medicine, Winston-Salem, NC, USA. ⁶Department of Neurology, Wake Forest School of Medicine, Winston-Salem, NC, USA

P8-19 Prospective Memory Intervention with Individuals with Acquired Brain Injury
Daphne Lasher¹, Cassandra Cronin¹, James Jacob¹, Halanda Nguyen¹, To Nhu Nguyen¹, Maria Mathew¹, Navya Arora¹, Adriana Laureano

Mercado^{1,2}, Grace Carducci³, Sarah A Raskin^{1,4}
¹Trinity College Neuroscience Program, Hartford, CT, USA. ²Department of Psychology, University of Hartford, Hartford, CT, USA. ³Institute of Living, Hartford HealthCare, Hartford, CT, USA. ⁴Trinity College Department of Psychology, Hartford, CT, USA

P8-20 Noninvasive Brain Stimulation on Category Fluency Performance in Mild Cognitive Impairment and Alzheimer's Dementia
Tara Driskill¹, Hannah Cabrera¹, Hsueh-Sheng Chiang², John Hart^{3,1}, Rebecca Logan¹, Trung Nguyen¹, Eric Smernoff⁴, Seema Pandya⁴, Cindy Marshall⁴, Alka Khera⁴, Christian LoBue¹
¹University of Texas Southwestern Medical Center, Dallas, TX, USA. ²Harvard University, Cambridge, MA, USA. ³University of Texas Dallas, Richardson, TX, USA. ⁴Baylor Scott & White Health, Dallas, TX, USA

P8-21 Neural and Behavioral Correlates of Error Processing Following Transcranial Photobiomodulation: Evidence from a Randomized Sham-Controlled Study
Thomas W. Baldwin, Anna Wheeler, Eliza Young, Kevin Olpin, Tanner Jensen, John Livingstone, Miriam Brown, Caleb Douth, Jocelyn Carter, Grace Walker, Sophia Cranney, Jacob Langston, Michael J. Larson
Brigham Young University, Provo, UT, USA

P8-22 A Single Bout of Moderate-Intensity Aerobic Exercise Improves Cognitive Flexibility
Julia M. Laing-Young, Cary R. Savage, Douglas H. Schultz
University of Nebraska-Lincoln, Lincoln, NE, USA

P8-23 Cardiovascular and psychological responses to music with and without binaural beats, pitch shifts, and tempo changes
Lauren E Sather, Bradley Dixon, Trevor Gordon Hall, John Woodard
Wayne State University, Detroit, MI, USA

P8-24 Real-world Driving After BI: Identifying Opportunities For Reducing Risk and Increasing Safe On-Road Behaviors.
Maria T Schultheis, Riley L McHugh, Nicole J Eng, Jocelyn G Ang, Kathryn N Devlin
Drexel University, Philadelphia, PA, USA

P8-25 Cognitive Reserve and Diet: A Preliminary Look
Riley McHugh, Maria T. Schultheis, Kathryn N. Devlin
Drexel University, Philadelphia, PA, USA

P8-26 Increased Cardiovascular Risk and Depression Symptomatology is Associated with Worse Executive Functioning in Cognitively Normal Women
Taylor F Levine¹, Valeria Nuno¹, Jessica Rodrigues², Zhi Baker¹, Jessica ZK Caldwell¹
¹Cleveland Clinic, Las Vegas, NV, USA. ²Wayne State University, Detroit, MI, USA

P8-27 Relationship of Mindfulness Traits to Pain Severity, Pain Interference, and Psychological Distress in Individuals With Traumatic Brain Injury and Chronic Pain
Angelle M. Sander¹, Emily Dudek², Michael W. Williams²
¹TIRR Memorial Hermann, Houston, Texas, USA.
²University of Houston, Houston, Texas, USA

P8-28 Randomized Controlled Trial of NeuroResource Facilitation to Reduce Recidivism in Justice-Involved Individuals with Brain Injury: Methods, Baseline Data, and Lessons Learnt
Annell A Ovalles^{1,2}, Amelia Hick¹, MJ Schmidt³, Lisa Spielman¹, Drew Nagele³, Monica Vaccaro³, Maria Kajankova¹
¹Icahn School of Medicine at Mount Sina, New York, NY, USA. ²Boston University, Boston, MA, USA. ³Brain Injury Association of Pennsylvania, Chambersburg, PA, USA

P8-29 A Positive Psychology Intervention for Individuals who have Sustained a Traumatic Brain Injury
Helen M Genova, Katarina Reduzzi, Mikayla Haas, Michael Dacanay, Daniel Sullivan, Michelle Lopez, Heba Elsayed, Amanda Botticello
Kessler Foundation, East Hanover, NJ, USA

P8-30 Etiology and Cognitive Subtype Predict Learning of a Memory Support System in Mild Cognitive Impairment
Jeremy G. Grant¹, Jun Min Koay², Liselotte De Wit³, Stephanie Aghamoosa⁴, Octavio A. Santos⁵, Anne L. Shandera-Ochsner⁶, Gelan Ying⁷, Elizabeth A. Boots², Kyra M. Bonta¹, Dona E.C. Locke⁸, Glenn E. Smith⁷, Melanie J. Chandler⁹
¹The Ohio State University, Columbus, OH, USA. ²Mayo Clinic, Rochester, MN, USA. ³Emory School of Medicine, Atlanta, GA, USA. ⁴Medical University of South Carolina, Charleston, SC, USA. ⁵The Ottawa Hospital, Ottawa, ON, Canada. ⁶Mayo Clinic Health System, La Crosse, WI, USA. ⁷University of Florida, Gainesville, FL, USA. ⁸Mayo Clinic Arizona, Scottsdale, FL, USA. ⁹Mayo Clinic Florida, Jacksonville, FL, USA

P8-31 Improvement in Semantic Fluency and Subjective Cognition Following Behavioral Insomnia Intervention: A Pilot Study
Laura Fenton¹, Jet M.J. Vonk², Ashley E. Mason¹, Alexandra C. Apple¹, Andrew Krystal¹, Caterina B. Mosti¹
¹Department of Psychiatry and Behavioral Sciences, University of California, San Francisco, San Francisco, CA, USA. ²Department of Neurology, University of California, San Francisco, San Francisco, CA, USA

P8-32 Exploring Gratitude: Its Associations With Executive Function and Mental Health in College Undergraduates
Lauren Dalokay
William Paterson University, Wayne, NJ, USA

P8-33 Characterizing Self-Reported Treatments for Persistent Post-Concussion Symptoms (PPCS)
Lauren Krasucki, Allie J. Tracey, McKenzie Buszkiewicz, Amanda R. Rabinowitz
Jefferson Moss Rehabilitation Research Institute, Elkins Park, PA, USA

P8-34 Mediators of the Relationship between Depression and Self-Reported Everyday Functioning in those with Acquired Brain Injuries
Penita Miller, Hannah M. Lovato, Luke Miller, Matthew Calamia
Louisiana State University, Baton Rouge, LA, USA

P8-35 Effectiveness of Virtual-Based Group Intervention on Quality of Life and Cognitive Functioning in Childhood Cancer Survivors
Preethi Sukumar¹, Anais M Jimenez², Alyssa R Attard³, Jessica Ardo⁴, Tricia Morphew⁵, Grace A Mucci⁶
¹California State University, Long Beach, Long Beach, CA, USA. ²University of California, Berkeley, Berkeley, CA, USA. ³Chapman University, Orange, CA, USA. ⁴CHOC Children's Hospital, Orange, CA, USA. ⁵Morphew Consulting, LLC, Bothell, WA, USA. ⁶The Chicago School, Anaheim, CA, USA

P8-36 Translating Prismatic Adaptation in Immersive Virtual Reality: Methodological Considerations and Potential Benefits
Alma Guilbert¹, Benjamin Maison¹, Tifanie Bouchara²
¹Paris Cité University, Boulogne-Billancourt, France. ²Paris Saclay University, Orsay, France

P8-37 Self-Guided vs Accountability Computerized Cognitive Training: Perceptions of Training Usability and Cognitive Improvement for Adults with Traumatic Brain Injuries.
Christian E Zaballos, Annabelle David, Amelia Bermudez, Heather Bransfield, Virja Shah, Astrid Chadrow, Ethan Terman, Solimar Ramos, SuYeon Gwak, Chloe Locke, Lior Sanilevich, Tyler Voltaire, Gerald T Voelbel
New York University, New York, NY, USA

P8-38 Neurohabilitation of Cognitive Functions in Pediatric diagnosed with ADHD through LEGO®-Based Therapy
Eduardo Espinosa Garamendi
National Institute of Pediatrics, Mexico, Mexico City, Mexico

P8-39 A Systematic Review of How BrainHQ Methods Are Reported in Studies of Aging
Stephanie Aghamoosa¹, Faith M. Miller¹, Laura M. Campbell², Reyna E. Hickey³, Olivia Horn⁴, Andreana Benitez¹
¹Medical University of South Carolina, Charleston, SC, USA. ²University of California San Diego, San Diego, CA, USA. ³University of Arizona, Tucson, AZ, USA. ⁴The Ohio State University, Columbus, OH, USA

P8-40 Protocol Design Influences Participant Compliance in a Remote Delivery of Computerized Cognitive Remediation for Adults with Traumatic Brain Injury: A pilot study.
Amelia Bermudez, Heather Bransfield, Christian Zaballos, Annabelle David, Cristian Miralles, Virja Shah, Astrid Chadrow, Ethan Terman, Solimar Ramos, SuYeon Gwak, Chloe Locke, Lior Sanilevich, Tyler Voltaire, Gerald T. Voelbel
New York University, New York, NY, USA

P8-41 Reliable Change in Depressive Symptom Clusters Following Internet-Delivered Cognitive Behavioral Therapy in Multiple Sclerosis
Megan L Bradson^{1,2}, Stefan M Gold^{3,4,5}, Tim Friede⁶, Johannes Wieditz⁶, Björn Meyer⁷, Christoph Heesen³, Friedemann Paul^{8,9}, Rona Moss-Morris¹⁰, Nancy Sicotte¹¹, Jared M Bruce^{12,13}, Peter A Arnett¹
¹Department of Psychology, Penn State University, University Park, PA, USA. ²Department of Psychiatry and Human Behavior, Alpert Medical School of Brown University, Providence, RI, USA. ³Institute of Neuroimmunology and Multiple Sclerosis (INIMS), University Medical Center Hamburg-Eppendorf, Hamburg, Germany. ⁴Department of Psychiatry and Psychotherapy, Charité – Universitätsmedizin Berlin, Berlin, Germany. ⁵Division of Psychosomatic Medicine, Medical Department, Charité – Universitätsmedizin Berlin, Berlin, Germany. ⁶Department of Medical Statistics, University Medical Center Göttingen, Göttingen, Germany. ⁷Research Department, GAIA AG, Hamburg, Germany. ⁸NeuroCure Experimental and Clinical Research Center, Charité – Universitätsmedizin Berlin, Berlin, Germany. ⁹Delbrueck Center for Molecular Medicine, Berlin, Germany. ¹⁰Psychology Department, Institute of Psychiatry, Psychology, and Neuroscience, King's College London, London, United Kingdom. ¹¹Department of Neurology, Cedars Sinai Medical Center, Los Angeles, CA, USA. ¹²Department of Biomedical and Health Informatics, University of Missouri-Kansas City School of Medicine, Kansas City, MO, USA. ¹³Departments of Neurology and Psychiatry, University Health, Kansas City, MO, USA

P8-42 Engagement in Mobile Health: User Interaction Patterns with the FOCUS App for Serious Mental Illness
Mercedes A Bishop, Justin Tauscher, Dror Ben-Zeev
University of Washington, Seattle, WA, USA

P8-43 Digital Innovation in Speech-Language Therapy: Usability of App-Supported Communication Interventions for Primary Progressive Aphasia
Ollie Fegter^{1,2}, Matthew Bona², Emily Cummings², Sydney Branson², Angela C Roberts³, Emily Rogalski²
¹Northwestern University Feinberg School of Medicine, Chicago, Illinois, USA. ²University of Chicago, Chicago, Illinois, USA. ³Western University, London, Ontario, Canada

P8-44 Immersive virtual reality-based, game-like treatment for chronic spatial neglect post stroke: A pilot study
Peii Chen^{1,2}, Manuela Soto¹, Megan Rusco¹

¹Kessler Foundation, West Orange, NJ, USA.
²Rutgers University, Newark, NJ, USA

P8-45 Cognitive and Executive Function Decline in Rasmussen's Encephalitis
Andrea Avellaneda, Catherine Bettridge
Nova Southeastern University, Davie, FL, USA

P8-46 Using the RBANS to Assess Cognitive Functioning in Veterans with Gulf War Illness Compared with Healthy Controls
Andrew Best¹, Kathleen Reyna¹, Laila Abdullah², Dakota Helgager², Kimberly Sullivan¹
¹Boston University School of Public Health, Boston, MA, USA. ²Roskamp Institute, Sarasota, FL, USA

P8-47 A Neuropsychologist's Guide to Large Language Models: Current Evidence and Practical Clinical Recommendations
Andrew Dimmick¹, Charlie Su^{2,3}, Hanan Rafiuddin^{4,3}
¹Michael E. DeBakey VA Medical Center, Houston, Texas, USA. ²Washington VA Medical Center, Washington, D.C., USA. ³University of North Texas, Denton, Texas, USA. ⁴Edwards Hines, Jr. VA Hospital, Hines, Illinois, USA

P8-48 The Joint Effects: A Systematic Review of Sociodemographic, Behavioral, and Contextual Correlates of Cannabis Use in Community-Dwelling Middle-Aged and Older Adults
Anna R Egbert, Isa-Marie Kreuzinger
Department of Psychology, St. Joseph's University New York, Brooklyn, NY, USA

P8-49 Altered Thalamic Pain Processing in Veterans with PTSD: A Neural Link to Chronic Pain Risk
Ashlyn Young
Nova Southeastern University, Ft. Lauderdale, FL, USA

P8-50 Stroop Paradigm: Is the Trail Making Test Part B Correlated with Object/Color Inference on the Reynolds Interference Task?
Cassandra Lewandowski, Kristen Mulcahy, Amanthi Ranatunga, Hannah Richardson
Spalding University, Louisville, Kentucky, USA

P8-51 Neuropsychological Outcomes of anti-NMDA Receptor Autoimmune Encephalitis
Erin Burke^{1,2}, Tiffany Grezmak^{3,2}, Amy Kunchok², Rachel Galio²
¹Kent State University, Kent, OH, USA. ²Cleveland Clinic, Cleveland, OH, USA. ³UT Southwestern, Dallas, TX, USA

P8-52 Neuropsychological Effects of Taser Exposure
Viva Wheaton, Lina Lee, Esther Fiore, Michael Daniel
Pacific University, Hillsboro, Oregon, USA

P8-53 Order Matters: Implications of Test

Sequencing in Neuropsychological Assessment
Jonathan Gellman, Gensenia Sloan Pena
Nova Southeastern University, Fort Lauderdale, Florida, USA

P8-54 Ear Asymmetries on Dichotic Listening and Hearing
in Noise Tasks in Individuals with Neurological Injury
Jennifer McCullagh
Southern Connecticut State University, New Haven, CT, USA

P8-55 Mental Health, Identity, and Cognitive
Functioning in Digital vs Physical Athletes
Jessica Poskus
Florida Institute of Technology, Melbourne, FL, USA

P8-56 Reimagining Pediatric Neuropsychology Service
Delivery: A Transformative Model for Hospital-Based Care
Karin S Walsh^{1,2}, Meredith Goyette¹, Megan
Knauss¹, Caitlyn Cap^{1,2}, Emily Carlson^{1,2}, Gerard
Gioia^{1,2}, Sofia Ladley¹, Christina Thomas^{1,2}
¹Children's National Hospital, Washington,
DC, USA. ²The George Washington University
School of Medicine, Washington, DC, USA

P8-57 Sleep, Sleep-Related Cognitions, and Executive
Functioning in College Students: Divergent Patterns Across
Objective and Subjective Executive Functioning Measures
Kate Schneider, Gillian T Falletta, Xanthia
Saganis, D. Erik Everhart
East Carolina University, Greenville, North Carolina, USA

P8-58 Exploring the Connection Between Select Dietary
Elements and Cognitive Functioning in Gulf War Veterans
Kathleen Reyna, Jean Costello, Kimberly
Sullivan, Junenette Peters, Maxine Krengel
Boston University School of Public Health, Boston, MA, USA

P8-59 Maturation of Cortical Folding in Adolescents
Without a History of Traumatic Brain Injury
Madeleine Reading¹, Kathleen E. Rugh¹, Emily Dennis²,
Elisabeth A. Wilde^{2,3}, Karen Caeyenberghs⁴, Cooper
MacArthur¹, Max Davis¹, Tanner Brady¹, Sydney
Christensen¹, Talin Babikian⁵, Brenda L. Bartnik-Olson⁶,
Linda Ewing-Cobbs⁷, Kristen R. Hoskinson^{8,9}, Abigail
Livny^{10,11}, Nicholas Ryan¹², Tricia L. Merkley^{13,14,2}
¹Brigham Young University, Provo, UT, USA. ²TBI and
Concussion Center, Department of Neurology, University of
Utah, Salt Lake City, UT, USA. ³Salt Lake City VA Healthcare
System, Salt Lake City, UT, USA. ⁴School of Psychology,
Deakin University, Melbourne, Australia. ⁵UCLA Steve
Tisch BrainSPORT Program; Department of Psychiatry
and Biobehavioral Sciences, UCLA David Geffen School of
Medicine, Los Angeles, CA, USA. ⁶Department of Radiology,
Loma Linda University Health, Loma Linda, CA, USA.
⁷Children's Learning Institute, McGovern Medical School at
UTHealth, Houston, TX, USA. ⁸The Ohio State University
College of Medicine; Center for Biobehavioral Health,
Columbus, OH, USA. ⁹Abigail Wexner Research Institute

at Nationwide Children's Hospital, Columbus, OH, USA.
¹⁰Sheba Medical Center, Ramat Gan, Israel. ¹¹Sagol School
of Neuroscience, Tel Aviv University, Tel Aviv, Israel. ¹²Centre
for Social and Early Emotional Development (SEED), School
of Psychology, Deakin University, Melbourne, Australia.
¹³Department of Psychology and Neuroscience Center,
Brigham Young University, Provo, UT, USA. ¹⁴Department
of Neurology, University of Utah, Salt Lake City, UT, USA

P8-60 Negative Childhood Experiences, Executive
Functioning, and Social Belonging in College Students
Katie Dorman, Xanthia Saganis, Kate Schneider,
Aaron Ras, Rylee Bowie, D Erik Everhart
East Carolina University, Greenville, NC, USA

P8-61 How is Peer Support Related to Academic
Performance in College Students?
Kaylee S Finch¹, Anny Marte Marmol¹, Elliott Evans-
Saffee¹, Julia Wojciak², Soukaina Louis¹, Anna R Egbert¹
¹Department of Psychology, St. Joseph's University New
York, Brooklyn, NY, USA. ²Warsaw International Studies
in Psychology, University of Warsaw, Warsaw, Poland

P8-62 Impact of Smoked Cannabis on Time Production
and Estimation: Implications for Driving Performance
Kyle F. Mastropietro^{1,2}, Jake A. Rattigan^{1,2}, Mira
Sur², Anya Umlauf², David J. Grelotti², Igor Grant²,
Robert L. Fitzgerald², Thomas D. Marcotte²
¹San Diego State University/University of California San
Diego Joint Doctoral Program in Clinical Psychology, San
Diego, CA, USA. ²Center for Medicinal Cannabis Research,
University of California San Diego, San Diego, CA, USA

P8-63 Examining the Relation Between Community-
Level Adverse Childhood Experiences and
Memory Performance in Older Adults
Lisette Gonzalez¹, Briana N. Galindo², Alexandra
Hernandez-Vallant³, Nevin A. Orleans¹, Malorie E. Watson¹,
Matthew S. Phillips¹, Woojin Song¹, Kyle J. Jennette¹,
Neil H. Pliskin¹, Jason R. Soble¹, Brian M. Cerny¹
¹University of Illinois-Chicago College of Medicine
Department of Psychiatry, Chicago, Illinois, USA.
²University of Illinois at Chicago, Chicago, Illinois, USA.
³Brown University, Providence, Rhode Island, USA

P8-64 Inter-Network Salience Network
Connectivity Predicts Task-Based Activation
Lucas F. Koch-Kreher, David C. Negelsbach,
William D. S. Killgore, Laura Beaman
University of Arizona, Tucson, AZ, USA

P8-65 The Neuropsychological and Emotional
Effects from Chronic PCBs Exposure
Richard J Perrillo¹, Pamela J Anderson-Mahoney²,
Erin C Elofson³, James G Dahlgren⁴
¹Distinguished PH.D.- University of Utah, San Francisco,
CA, USA. ²Epidemiology Resources, Valley Glen, CA,

USA. 3Cascade Mental Health, Lake Stevens, WA,
USA. 4James Dahlgren Medical, Saulsalito, CA, USA

P8-66 Neurotoxicant Exposures, Tau Elevation, and
Cognitive Decrements in Veterans with Gulf War Illness
Swati S Sharma¹, Reena Karki¹, Emily K Quinn¹,
Bang-Bon Koo², Nancy Klimas³, Kristina Aenlle³,
Peter W Baas⁴, Ramesh Raghupathi⁴, Liang O
Qiang⁴, Rosemary Toomey⁵, Kimberly Sullivan¹
¹Boston University School of Public Health, Boston, MA,
USA. ²Boston University Chobanian & Avedisian School
of Medicine, Boston, MA, USA. ³Nova SouthEastern
University, Fort Lauderdale-Davie, FL, USA. ⁴Drexel
University College of Medicine, Philadelphia, PA,
USA. ⁵Boston University, Boston, MA, USA

P8-67 Replication of Machine Learning Model to Predict
Fibromyalgia in the Preoperative Setting: A Cohort of 19,972
Yonah Joffe¹, Jiaqing Zhang¹, Kathryn Pendleton¹, Faith
Kimmet¹, Sabyasachi Bandyopadhyay², Cynthia Garvan¹,
Michael E. Robinson¹, Parisa Rashidi¹, Catherine Price¹
¹University of Florida, Gainesville, FL, USA.
²Stanford University, Stanford, CA, USA

P8-68 Understanding Neuropsychological
Functioning Among Justice-Involved Youth
Victoria E Dennis, Destiny Rojas, Adam T Schmidt
Texas Tech University, Lubbock, TX, USA

P8-01 Beyond Cognitive Outcomes: Holistic
Rehabilitation Approaches for Adults with
Acquired Neurological Conditions
Chair
CHRISTIAN E SALAS
DIEGO PORTALES UNIVERSITY, SANTIAGO, Chile
Discussant (Optional)
Summary Abstract

This symposium, organized by the Saugatuck Institute
of Neuropsychological Rehabilitation, showcases
holistic frameworks that move beyond narrow cognitive
endpoints. Adults with acquired or complex neurological
conditions often present needs not fully captured by
testing—emotional dysregulation, challenges with
meaning-making, and subtle yet functionally significant
deficits. Bringing complementary perspectives, the
session emphasizes integrative approaches that combine
cognitive, emotional, and experiential interventions
to optimize recovery and promote well-being.
The first presentation, delivered by Emma Weizenbaum,
PhD (Harvard Medical School/Mass General Brigham),
examines a virtual Acceptance and Commitment Therapy
(ACT) group for adults with mild traumatic brain injury,
multiple sclerosis, post-COVID syndrome, cancer treatment
sequelae, and mild cognitive impairment. A mixed-methods
evaluation showed reductions in depression and anxiety
alongside gains in psychological flexibility. Qualitative
data highlighted group connection, perspective taking,

and mindfulness, supporting ACT as a transdiagnostic
framework that facilitates adjustment and resilience.
The second presentation, led by Kim Willment, PhD
(Brigham and Women's Hospital/Harvard Medical
School), investigates emotional and behavioral responses
to intensive computerized cognitive training (CCT)
in adults with acquired brain injury. Moving beyond
performance metrics, qualitative analyses revealed
that high-progress learners reframed errors as learning
opportunities and engaged in meaning-making, whereas
low-progress learners showed catastrophic interpretations
and avoidance. Findings suggest CCT functions not
only as a restorative tool but also as a therapeutic
context that can foster adaptive coping, resilience,
and self-awareness when appropriately scaffolded.
The third presentation, by Allison Logemann, PhD
(University of Minnesota), addresses holistic cognitive
rehabilitation for higher-functioning adults whose
subtle deficits—such as slowed processing, impaired
organization, and “brain fog”—intertwine with anxiety
and self-criticism. Using a case study of a 40-year-old
woman recovering from chemotherapy, Dr. Logemann
demonstrates how metacognitive strategies, restorative
cognitive exercises, and environmental supports can be
integrated with psychological interventions—including
restructuring automatic thoughts and cultivating self-
compassion—to yield more meaningful functional outcomes.
The fourth presentation, delivered by Tedd Barrios
-University of Pittsburgh, Pittsburgh-, introduces the SB
Healthcare Navigator Program, a co-designed, ecological
executive-function intervention for adults with spina bifida.
Developed by clinicians and scientists at the UPMC Adult
Spina Bifida Clinic and grounded in a capacity-demand
discrepancy model aligned with social psychological
models of disability, the program blends brief didactics
with interactive skills practice to strengthen task analysis,
planning, problem-solving, distraction management, and
self-advocacy. Preliminary feasibility, acceptability, and
efficacy data indicate successful engagement, improved
management of multi-step healthcare and daily-life
tasks, and high satisfaction with relevance and delivery—
supporting clinical utility and potential scalability.
Together, these four presentations converge on a central
message: effective rehabilitation requires moving beyond
cognitive scores toward holistic, person-centered
models. By integrating cognitive training, metacognitive
strategies, psychological flexibility, ecological and co-
designed executive-function supports, and patient
reflections, clinicians can better address the complex
realities of recovery, optimize functional outcomes, and
support reintegration after neurological change.

Keyword 1
cognitive rehabilitation
Keyword 2
emotional processes
Keyword 3

brain injury

P8-02 A Virtual Acceptance & Commitment Therapy Group Intervention in Adults with Acquired Neurological Conditions - A Mixed Method Exploration of Clinical Impact
Emma Weizenbaum^{1,2}, Ruthann Ruthann
Hewett¹, Ethan Lester¹, Kim Willment²
¹Harvard Medical School, Boston, USA.
²Mass General Brigham, Boston, USA

P8-03 Holistic Neuropsychological Rehabilitation Perspective on Intensive Computerized Cognitive Training Outcomes
Kim Willment, Emma Weizenbaum, George Ghorayeb, Kayla Rivera, Seth Gale, Kirk Daffner
Mass General Brigham, Harvard Medical School, Boston, USA

P8-04 Holistic Cognitive Rehabilitation in Higher-Functioning Adults: Practical Approaches and Case Insights
Allison Logemann
Department of Rehabilitation Medicine, University of Minnesota, Minneapolis, USA

P8-05 The Healthcare Navigator Program: Co-Designed Executive Function Intervention for Adults with Spina Bifida
Ted Allaire Barrios
University of Pittsburgh, Pittsburgh, USA

P8-06 Beyond the Eyeball Test: The Science of Reliable Change
Chair
Maegan D. Sady
PAR, Inc., Lutz, FL, USA
Discussant (Optional)
Summary Abstract
Pediatric neuropsychologists are frequently asked to measure changes in cognition, whether improvement after a treatment or intervention, decline due to disease onset or progression, or change in either direction after neurosurgical intervention. While not a new concept, the Reliable Change Index (RCI) approach for evaluation of change remains underutilized, and too many clinicians continue to rely on "eyeballing" or clinical judgment for determination of whether meaningful changes in performance have occurred. In research, RCI methodology is also often overlooked and group-level analyses are used exclusively, which risks obscuring detection of meaningful change in subgroups of subjects. Underutilization of RCI-based methods are related to a number of factors, including poor understanding of its simplicity, suboptimal retest samples, absence of accessible metrics in test manuals and scoring programs, and lack of knowledge of its interpretation. In this symposium, attendees will receive an introduction to the practical and computational foundation of RCI-based change, along with its strengths and weaknesses. Dr Karin Walsh will present its application to group-level change in research. She will compare findings from RCI-

based analyses to traditional group-level statistics, and she will demonstrate how additional analyses can identify predictors of change. Dr Maegan Sady will then present an overview of the availability of RCI-based metrics in pediatric neuropsychology, with analysis of cutoff scores computed for popular neuropsychological tests across multiple domains. Dr Brian Biekman will compare traditional methods (standard deviation-based cutoff scores) to RCI-based criteria in a sample of children evaluated before and after epilepsy surgery, with discussion of how RCI-based metrics provide a more nuanced interpretation. Next, Dr Walsh will present findings from a cohort of children followed longitudinally after brain tumor diagnosis and treatment. Her findings will demonstrate the differences in rates of change by domain, including some surprising new findings, and identify some of the demographic and disease-related factors that predict cognitive decline or improvement over time. The symposium will conclude with a brief discussion of additional research that is needed to improve the utility of RCI-based metrics in pediatric neuropsychology. During this symposium, neuropsychologists will learn how to compute RCI-based cutoff scores from test manual statistics, how to evaluate the strength of these metrics, and how to apply them to research samples and individual patients. Attendees will leave with a better understanding of the utility of statistical evaluation of change and a desire to contribute to ongoing improvements in available metrics.

Keyword 1

test reliability

Keyword 2

brain tumor

Keyword 3

epilepsy/seizure disorders - surgical treatment

P8-07 New frontiers in research: Leveraging Reliable Change Methodology to identify responders
Karin Walsh

Children's National Hospital, Washington, DC, USA. The George Washington University School of Medicine, Washington, DC, USA

P8-08 The State of Reliable Change in Pediatric Neuropsychology: Trends and Needed Improvements
Maegan D Sady
PAR, Inc., Lutz, FL, USA

P8-09 Comparing methods for determining cognitive change following pediatric epilepsy surgery
Brian Biekman¹, Gretchen Berrios-Siervo², Ashley Nguyen-Martinez², Sonya Leikin¹, Madison Berl¹, PERC Epilepsy Surgery Workgroup³
¹Children's National Hospital, Washington, DC, USA.
²Children's Hospital Colorado, Aurora, CO, USA. ³Pediatric Epilepsy Research Consortium, Niwot, Colorado, USA

P8-10 Enhancing precision in clinical care through Reliable change methodology
Karin Walsh

Children's National Hospital, Washington, DC, USA. The George Washington University School of Medicine, Washington, DC, USA

Invited Symposium 05: (Kramer) Keeping the Main Thing the Main Thing

15:30 - 16:55 Friday, 6th February, 2026

Location: Grand Ballroom / Salon E

Presentation type Invited Symposium

Speakers:

Joel Kramer, PsyD

Russell Bauer, PhD, ABPP

Vicki Anderson, PhD

Deborah Koltai, PhD

Introduction:

CE: 1.5 Hours

Level of Instruction: Introductory

1078 Keeping the Main Thing the Main Thing

Symposium 13: (Holmqvist) Bringing Rigor to Innovation: Validating Digital Approaches in Neuropsychological Assessment

15:30 - 16:55 Friday, 6th February, 2026

Location: Salon I (Level 5)

Presentation type Symposium

Introduction:

9 Bringing Rigor to Innovation: Validating Digital Approaches in Neuropsychological Assessment Chair

Sophia Holmqvist

Temple University, Philadelphia, PA, USA

Discussant (Optional)

Summary Abstract

Digital technologies are rapidly transforming the landscape of neuropsychological assessment. From smartphones and wearables to virtual reality, these approaches allow for ecologically valid and scalable measurement of cognition and behavior. Yet, for these tools to be integrated into clinical and research practice, it is critical to establish their validity, meaning how well they capture meaningful cognitive constructs, relate to established biomarkers, and maintain psychometric rigor. This symposium brings together neuropsychologists who are advancing the validation of digital tools across multiple domains of assessment. Presentations will highlight work on ecological momentary assessment (EMA) of cognition, performance validity assessment using digital tools, digital functional assessment, passive monitoring using consumer-grade wearables, and digital adaptations of traditional tests. Collectively, these talks emphasize how digital methods can complement traditional neuropsychological assessment while addressing new questions about variability, ecological

relevance, and early detection of cognitive decline.

Sophia Holmqvist will discuss work using a consumer-grade smartwatch to examine heart rate variability, sleep variability, and step count in relation to cognition among older adults with and without mild cognitive impairment. Step count emerged as the most behaviorally relevant digital metric of cognition, while HRV was linked to beta blocker use and device adherence, highlighting both the promise and methodological challenges of wearable device validation. Andrea Weinstein will present findings investigating how metrics from EMA of cognition collected over 10 days related to amyloid beta burden in older adults. She found that greater intraindividual variability in EMA performance, particularly in verbal memory and processing speed, was associated with higher amyloid-beta burden. These results suggest that daily cognitive variability may be a sensitive digital marker of Alzheimer's disease pathology. John-Christopher Finley will review advances in digital performance validity assessment, focusing on how digital platforms can provide richer data through response times and process metrics, apply advanced analytic techniques such as machine learning, and increase scalability and accessibility. These developments demonstrate how validity testing itself can be enhanced through digital methods. Marina Kaplan will present validation of the Virtual Kitchen Challenge – Version 2 (VKC-2), a computerized functional assessment designed as an efficient and standardized alternative to traditional self- or informant-report and performance-based approaches. Findings indicate that the VKC-2 is a valid and sensitive measure of everyday function in older adults with potential applications in large-scale longitudinal studies, clinical trials, and clinical care. Celeste Santivaschi will present validation efforts of the Processing Speed Test (PST), a digital assessment designed as an efficient alternative for evaluating cognitive changes in Multiple Sclerosis (MS). She found that the PST differentiated MS phenotypes, predicted Symbol Digit Modalities Test performance, and distinguished individuals with and without major neurocognitive disorder, supporting its construct and concurrent validity. Taken together, these presentations illustrate the essential role of validation in moving digital tools from novel methods to trusted complementary components of neuropsychological assessment. Establishing reliability, ecological relevance, and clinical utility will be key as the field integrates these technologies into practice and research.

Keyword 1

technology

Keyword 2

teleneuropsychology

Keyword 3

cognitive functioning

188 Longitudinal Smartwatch-Derived Step Count, not Heart Rate Variability or Sleep Variability, is Associated with Cognition in Older Adults Without Dementia
Sophia Holmqvist, Marina Kaplan, Riya

Chaturvedi, Tania Giovannetti
Temple University, Philadelphia, PA, USA

243 Using Ecological Momentary Assessment to Examine Cognitive Variability in Older Adults at risk for Alzheimer's Disease
Andrea M Weinstein¹, Chaeryon Kang¹, Sumer Ziady², Audrey Corbet², Ann Cohen¹, Beth Snitz¹, Raeanne Moore³, Meryl A Butters¹
¹University of Pittsburgh, Pittsburgh, PA, USA. ²University of Pittsburgh Medical Center, Pittsburgh, PA, USA. ³University of California, San Diego, San Diego, CA, USA

202 A Review of Digital Technologies in Performance Validity Testing
John-Christopher A Finley
Northwestern University Feinberg School of Medicine, Chicago, IL, USA

242 The Virtual Kitchen Challenge-Version 2: Validation of a Digital Assessment of Everyday Function in Older Adults
Marina Kaplan¹, Moira Mckniff¹, Stephanie S Simone², Molly B Tassoni³, Katherine Hackett⁴, Sophia Holmqvist¹, Rachel E Mis⁵, Kimberly Halberstadter¹, Riya Chaturvedi⁶, Melissa Rosahl⁷, Giuliana Vallecorsa⁸, Mijail Serruya⁹, Deborah Drabick¹, Takehiko Yamaguchi¹⁰, Tania Giovannetti¹
¹Temple University, Philadelphia, PA, USA. ²Michigan Medicine, Ann Arbor, MI, USA. ³Emory University School of Medicine, Atlanta, GA, USA. ⁴Icahn School of Medicine at Mount Sinai, New York, NY, USA. ⁵Dell Medical School, University of Texas at Austin, Austin, TX, USA. ⁶Penn FTD Center, Philadelphia, PA, USA. ⁷Kessler Foundation, East Hanover, NJ, USA. ⁸Children's Hospital of Philadelphia, Philadelphia, PA, USA. ⁹Thomas Jefferson University Hospital, Philadelphia, PA, USA. ¹⁰Suwa University of Science, Nagano, Japan

326 Validation of the Processing Speed Test: An Efficient Digital Alternative to the Symbol Digit Modalities Test for Detection of Cognitive Impairment in Multiple Sclerosis
Celeste A. Santivasci¹, Yohance Allette^{2,3}, Jikku Zachariah^{2,3}, Jacob Balconi⁴, Peter A. Arnett¹, Candice Maenza⁵, Emily Friedrich^{2,3}, Aatqa Memon^{2,3}, Timothy Brearly^{2,3}
¹Pennsylvania State University, Department of Psychology, University Park, PA, USA. ²Penn State Milton S. Hershey Medical Center, Hershey, PA, USA. ³Department of Neurology, Penn State Neuroscience Institute, Hershey, PA, USA. ⁴Jacobs School of Medicine and Biomedical Sciences, University at Buffalo, Buffalo, NY, USA. ⁵Penn State College of Medicine, Department of Neurology, Hershey, PA, USA

Paper 16: Neighborhood Disadvantage and Brain Health
15:30 - 16:55 Friday, 6th February, 2026
Location: Salon K (Level 5)
Presentation type Paper Session
Moderator:

15:30 - 15:44
82 Twenty Years of Neighborhood Change and Alzheimer's Disease Biomarkers: Linking Residential Segregation to Neurodegeneration and Neuroinflammation
Alexandra L. Clark, Abbey M. Hamlin, Ashley Chikkala
The University of Texas at Austin, Austin, TX, USA

15:44 - 15:58
100 Exploring the Relationship Between Neighborhood Disadvantage, Cerebrovascular Function, and Apolipoprotein E4
Kevin W. Law¹, Allison C. Engstrom², Trevor Lohman¹, Melanie Quiring¹, Arunima Kapoor², John Paul M. Alitin¹, Danny J. J. Wang³, Amy Nguyen¹, Aimée Gaubert¹, David R. Bradford⁴, Kathleen Rodgers⁴, Jillian Joyce¹, Farrah Ferrer¹, Daniel A. Nation^{1,5}
¹Leonard Davis School of Gerontology, University of Southern California, Los Angeles, CA, USA. ²Department of Psychological Science, University of California, Irvine, Irvine, CA, USA. ³Mark and Mary Stevens Neuroimaging and Informatics Institute, Keck School of Medicine, University of Southern California, Los Angeles, CA, USA. ⁴Center for Innovations in Brain Science, Department of Pharmacology, University of Arizona, Tucson, AZ, USA. ⁵Department of Physiology and Neuroscience, Keck School of Medicine, University of Southern California, Los Angeles, CA, USA

15:58 - 16:12
225 The Association Between Neighborhood Deprivation, Physical Activity, and Episodic Memory in Aging
Olivia Horn¹, Ann J. Lee¹, Jasmeet P. Hayes^{1,2}, Scott M. Hayes^{1,2}
¹The Ohio State University, Columbus, OH, USA. ²Chronic Brain Injury Program, Columbus, OH, USA

16:12 - 16:26
834 The Roles of Healthcare Access Difficulty, Social Network, and Nativity Status in Neurocognition among Middle-Aged and Older Adults
Denise S Oleas¹, Alyssa Arentoft², Hyunjung Lee¹, Caterina M Bocardo³, Julia E Culhane¹, Alexander W Slaughter¹, Amanda T Calcetas¹, Vanessa Guzman³, Sandra Talavera¹, Heining Cham¹, Kaori K Germano¹, Stephen Cubbellotti³, Desiree Byrd⁴, Jessica Robinson Papp³, Monica Rivera Mindt^{1,3}
¹Fordham University, Bronx, NY, USA. ²California State University, California State University Northridge, CA, USA. ³Icahn School of Medicine at Mount Sinai Hospital, NY, NY, USA. ⁴the City University of New York, NY, NY, USA

16:26 - 16:40
229 Investigating the Impact of Neighborhood Level Social Determinants of Health on Cognitive Outcomes for Very Young Children Treated for Brain Tumors
Rebecca K. Golden, Taina E. Stuart, Sylwia Feibelman, Jason M. Ashford, Ashley S. Fournier-Goodnight,

Catherine Billups, Arzu Onar-Thomas, Thomas E. Merchant, Amar Gajjar, Heather M. Conklin
St. Jude Children's Research Hospital, Memphis, TN, USA

16:40 - 16:54

475 Understanding Racial Differences in Baseline Assessment Among Collegiate Athletes Through Education Quality and Area Deprivation
McKenna S Sakamoto, Megan L Bradson, Celeste A Santivasci, Breanna J Becnel, Breann M Makarus, Peter A Arnett
The Pennsylvania State University, University Park, PA, USA

Paper 17: Advances in Brain Imaging and Connectivity

15:30 - 16:55 Friday, 6th February, 2026

Location: Salon B (Level 5)

Presentation type Paper Session

Moderator:

15:30 - 15:44

580 From Amyloid to Cognition: Integrating Brain Connectome With Amyloid Positron Emission Tomography Improves Predictive Modeling of Cognitive Decline
Hengda He, Christian G. Habeck, Yaakov Stern
Columbia University Irving Medical Center, New York, NY, USA

15:44 - 15:58

608 Hippocampal Free Water Mediation of Inflammation and Memory Loss in Older Adults Across the Alzheimer's Disease Spectrum
Shannon Y Lee¹, Jesse DeSimone¹, Mark Sanderson-Cimino², Olivia M Emanuel¹, Emily F Matusz^{1,3}, Franchesca Arias^{1,3}, Shellie-Anne Levy^{1,3}, Sruti Rayaprolu^{1,3}, Idaly Velez Uribe^{4,3}, Warren Barker^{5,3}, Rosie Curiel Cid^{6,3}, Adam M Staffaroni², Michael Marsiske^{1,3}, Melissa Armstrong^{1,3}, David Loewenstein^{6,3}, Ranjan Duara^{5,3}, Glenn Smith^{1,3}, David Vaillancourt¹, Breton Asken^{1,3}
¹University of Florida, Gainesville, FL, USA. ²University of California San Francisco, San Francisco, CA, USA. ³Florida Alzheimer's Disease Research Center, Gainesville, FL, USA. ⁴Florida Atlantic University, Boca Raton, FL, USA. ⁵Mount Sinai Medical Center, Miami Beach, FL, USA. ⁶University of Miami, Miami, FL, USA

15:58 - 16:12

970 Multi-Dimensional Entropy Signatures Predict Clinical Symptoms in Schizophrenia
Natalia Maksymchuk, Robyn Miller L. Miller, Armin Iraj
Georgia State University, Georgia Institute of Technology and Emory University, Atlanta, GA, USA

16:12 - 16:26

199 Estradiol-Related Brain Network Organization Mediates Cognitive Performance Across the Menopausal Transition
Heather C Bouchard^{1,2,3}, Tierney K Lorenz^{1,2}, Douglas H Schultz^{1,2}

¹Center for Brain, Biology and Behavior, University of Nebraska-Lincoln, Lincoln, NE, USA. ²Department of Psychology, University of Nebraska-Lincoln, Lincoln, NE, USA. ³Department of Health Psychology, University of Missouri-Columbia, Columbia, MO, USA

16:26 - 16:40

99 Developing Age and Sex-Specific Normative Brain Segmentation Reference Volumes in Children (Age 5-17)
Elita Gao^{1,2}, Dana Martino¹, Giovanna F. Stefanini¹, Alexander Cohen^{1,3}, Sanjay P. Prabhu^{1,3}, Simon Warfield^{1,3}, Elmira Hassanzadeh^{1,4}, Alyssa Ailion^{1,3}
¹Boston Children's Hospital, Boston, MA, USA. ²New York University, New York, NY, USA. ³Harvard Medical School, Boston, MA, USA. ⁴Brigham and Women's Hospital, Boston, MA, USA

16:40 - 16:54

896 Game On, Brain In, Behavior Out: Linking Video Game Use, Functional Network Connectivity, and Socioemotional Outcomes in the ABCD Study
Junqiang Dai^{1,2,3}, Bhanu Sri Vaishnavi Bharatula⁴, Mukesh Dhamala⁵, Vince Calhoun^{6,1,4,3}, Jingyu Liu⁴
¹Department of Psychology, Georgia State University, Atlanta, GA, USA. ²Tri-Institutional Center for Translational Research in Neuroimaging and Data Science (TReNDS), Atlanta, GA, USA. ³Neuroscience Institute, Georgia State University, Atlanta, GA, USA. ⁴Department of Computer Science, Georgia State University, Atlanta, GA, USA. ⁵Department of Physics and Astronomy, Georgia State University, Atlanta, GA, USA. ⁶Tri-Institutional Center for Translational Research in Neuroimaging and Data Science (TReNDS), Atlanta, GA, USA

Symposium 14: (Ng) Innovative Methods in Characterizing Gene-Brain-Behavior Relationships in Rare Neurodevelopmental Disorders and Designing Outcome Measures for Clinical Trials: Practical Considerations in Measuring Neurological Functioning with Rare Mendelian Disorders of Epigenetic Machinery as Examples
15:30 - 16:55 Friday, 6th February, 2026

Location: Salon D (Level 5)

Presentation type Symposium

Introduction:

35 Innovative Methods in Characterizing Gene-Brain-Behavior Relationships in Rare Neurodevelopmental Disorders and Designing Outcome Measures for Clinical Trials: Practical Considerations in Measuring Neurological Functioning with Rare Mendelian Disorders of Epigenetic Machinery as Examples
Chair

Rowena Ng

Kennedy Krieger Institute, Baltimore, Maryland, USA
Discussant (Optional)

Jacqueline Harris

Kennedy Krieger Institute, Baltimore, Maryland, USA

Summary Abstract

Mendelian disorders of the epigenetic machinery (MDEMs) are a group of disorders in which a component of the epigenetic machinery is working improperly. While collectively rare, MDEMs account for a substantial portion of genetic intellectual disability. Epigenetic dysregulation has been strongly linked to cognitive impairment and over 90% of MDEMs have intellectual disability or developmental delay as a core feature. Neuroscience research on MDEMs offers the unique opportunity to identify epigenetic regulatory mechanisms underlying heterogeneous neurodevelopmental disorders (e.g., language disorder, intellectual disability, nonverbal learning disability, etc.), to better understand normal/atypical development via pathology, and to guide the development of targeted clinical trials to correct for the epigenetic imbalance. Rare neurodevelopmental disorders (RNDs) are often overlooked across the broader science and medical communities. One reason for the lack of robust clinical research is challenges in operationalizing neurologic functioning in diseases that may have large variability in behavior/cognitive functioning and disease severity. Additionally, disjunction between basic science and neuropsychology communities result in poor infrastructure for translational science programs. In effect, while there have been considerable advances in basic sciences and approaches to understand brain-behavior relationships in healthy populations, neuroscience techniques (e.g., EEG, biochemical biomarkers, etc.) and/or clinical genetic assays are underutilized in RNDs like MDEMs. Here we include four presentations that showcase novel methodological approaches to link gene, brain, and neuropsychological functioning in MDEMs associated with intellectual disability. Each presentation focuses on a particular neurophysiological or genetic approach, the practical considerations in applying these among individuals with varying cognitive impairment, and ways the tool may be useful in designing clinical trials in RNDs. These presentations will cover themes of identifying biomarkers to measure disease-relevant neurologic functioning among individuals with cognitive/functional impairment, community partnership in research, and advanced genetic and epigenetic techniques coupled with neuropsychological data collection for deep phenotyping of RNDs. The first presentation will highlight the use of an EEG long-term potentiation-like paradigm in individuals with three different MDEMs and the association between EEG parameters and cognitive functioning in these conditions. The second presentation will discuss the association between hair cortisol concentration with cognitive test performance and daily life behavior functioning in those with Wiedemann-Steiner Syndrome. The third presentation will describe genotype-phenotype correlations in Kabuki syndrome using next-generation sequencing tests, with a particular focus on distinct social behaviors based on the causative variant. Finally, the last talk will draw attention to how DNA methylation arrays highlight phenotypic distinctions across

individuals with TET3 variants. Altogether, the four study symposium will 1) highlight inventive methods to adapt and measure neurologic functioning in individuals with RNDs of varying cognitive impairment 2) underscore the growing importance of integrating genetic assays in conceptualizing brain-behavior relationships and 3) draw attention to the need for interdisciplinary collaborations across basic science and clinical investigators to accelerate the development of clinical trials research programs in RNDs.

Keyword 1

genetic disorders

Keyword 2

genetic neuropsychology

Keyword 3

clinical trials

701 Auditory Evoked Potentials to Understand

Neuropathophysiology of Mendelian

disorders of Epigenetic Machinery

Lauren Meier¹, Rowena Ng^{1,2}, Evan Bucklin¹,

Philip Fanara¹, Jacqueline Harris^{1,2}

¹Kennedy Krieger Institute, Baltimore, Maryland,

USA. ²Johns Hopkins University School of

Medicine, Baltimore, Maryland, USA

702 Associations Between Long-Term Hair Cortisol Levels and Executive Functioning in Wiedemann-Steiner Syndrome

Kaylie Springer^{1,2}, Jacqueline Harris^{2,3}, Philip

Fanara², Lauren Meier², Rowena Ng^{2,3}

¹University of Iowa, Iowa City, Iowa, USA. ²Kennedy Krieger

Institute, Baltimore, Maryland, USA. ³Johns Hopkins

University School of Medicine, Baltimore, Maryland, USA

703 Social Functioning is Impaired in the Kabuki Syndrome Population

Aoife O'Sullivan¹, Rebecca Bromley^{1,2}, Siddharth Banka^{1,2}

¹University of Manchester, Manchester, United Kingdom.

²NHS Foundation Trust, Manchester, United Kingdom

704 Towards Characterizing the Neuropsychological Phenotype of Beck Fahrner Syndrome: The Clinical

and Research Utility of Epigenetic Testing

Rowena Ng^{1,2}, Jacqueline Harris^{1,2}, Jill Fahrner²

¹Kennedy Krieger Institute, Baltimore, Maryland,

USA. ²Johns Hopkins University School of

Medicine, Baltimore, Maryland, USA

Plenary F: The Clinical Utility of Olfactory Assessment in Neuropsychology

17:00 - 18:00 Friday, 6th February, 2026

Location: Grand Ballroom / Salon E

Presentation type Plenary

Speaker:

Vidyulata Kamath, PhD, ABPP-CN

Introduction:

CE: 1 Hour

Level of Instruction: Introductory

1188 The Clinical Utility of Olfactory Assessment in Neuropsychology

CE Workshop 11: Identifying and Supporting Children and Adolescents with Executive Dysfunction
07:00 - 08:50 Saturday, 7th February, 2026
Location: Salon I (Level 5)
Presentation type CE Workshop (Pre-Registration Required)
Introduction: Sharon Sanz-Simon, PhD
Speaker: Daryaneh Badaly, PHD, ABPP

CE: 1.5 Hours
Level of Instruction: Introductory

*This workshop includes a continental breakfast from 7:00-7:15. The session begins promptly at 7:20am.

1089 Identifying and Supporting Children and Adolescents with Executive Dysfunction

CE Workshop 12: Cannabis and Cognition in Aging and Risk for Dementia
07:00 - 08:50 Saturday, 7th February, 2026
Location: Salon K (Level 5)
Presentation type CE Workshop (Pre-Registration Required)
Introduction:
Annalise Rahman-Filipiak, PhD

Speakers:
Andreana (Any) Benitez, PhD

CE: 1.5 Hours
Level of Instruction: Intermediate

*This workshop includes a continental breakfast from 7:00-7:15. The session begins promptly at 7:20am.

1074 Cannabis and Cognition in Aging and Risk for Dementia

Epilepsy SIG Members Meeting
08:00 - 08:50 Saturday, 7th February, 2026
Location: Salon B (Level 5)
Presentation type SIG Meeting

Exhibits Open
08:30 - 12:45 Saturday, 7th February, 2026
Location: Franklin Hall B (Level 4)
Presentation type Exhibitors & Sponsors

Invited Symposium 06: (Beauchamp) Methodological innovative and diversity in the study of social cognition
09:00 - 10:25 Saturday, 7th February, 2026
Location: Grand Ballroom / Salon E
Presentation type Invited Symposium

Speakers:
Miriam Beauchamp

Introduction:

8 Methodological innovative and diversity in the study of social cognition
Chair
Miriam Beauchamp
University of Montreal, Montreal, Quebec, Canada
Discussant (Optional)
Summary Abstract
Social interactions are at the core of human daily activities and are essential for developing positive relationships in society. Navigating these complex interactions requires sound social competence, which is underpinned by social cognition—a set of mental processes supporting the perception and process of social signals, stimuli, and environments. These processes are governed by a broad neural network known as the social brain. Social cognition is an umbrella term encompassing a range of abilities, including for example emotion recognition, theory of mind (i.e., the ability to understand others' perspectives), empathy, and socio-moral reasoning (Tremblay et al., 2023) and is inherently complex and multi-dimensional. To reach a sound understanding of how social skills develop and evolve over the lifespan, and how they may be impacted by neurodevelopmental, acquired, psychological and degenerative conditions requires methodological approaches in research and practice that are innovative, multi-modal and, ideally, can be adapted across cultures. The aim of this symposium, organized by the INS SOCIAL SIG, is to showcase a variety of methods and measures that can be used in research and practice to better understand the neural underpinning of social cognition and to improve the way these skills are assessed and optimized, as well as their associations with everyday functioning such as social competence, behavior and quality of life. Four speakers and a chair from four different countries (Canada, Australia, Brazil, Uruguay) will present and discuss their work. The presentations will focus on a range of social cognition subcomponents, including emotion recognition, theory of mind, empathy, moral reasoning, and social problem solving in the context of studies conducted in children and adults with various forms of environmental and neurological adversity such as brain injury, multiple sclerosis, conduct problems, poverty, as well as typically developing individuals. The speakers will present data ranging from early childhood, through childhood, adolescence and aging, and highlight multiple types of methodological approaches and discuss how they can be used in the context of social cognition assessment and intervention, including co-creation and research-creation methods, analysis of multi-source respondents, neuroimaging (SPECT and MRI), and gamification. An underlying theme across the talks will be the limits and opportunities of cross-cultural adaptations and sharing

of knowledge and tools in the social cognitive domain.

Keyword 1

social cognition

Keyword 2

assessment

Keyword 3

social processes

806 Advancing Social Cognition Assessment

Through Childhood Culture: A Game-Based Methodological Approach

Nara Cortes Andrade¹, Jéssica Miranda Carvalho¹,

Lucas Carmo da Silva², Euclides José de

Mendonça Filho³, Miriam H. Beauchamp⁴

¹Juiz de Fora Federal University, Juiz de Fora, Minas

Gerais, Brazil. ²Federal University of Bahia, Salvador,

Bahia, Brazil. ³University of São Paulo, São Paulo, São

Paulo, Brazil. ⁴Université de Montréal, Ste-Justine

Hospital Research Center, Montreal, Quebec, Canada

730 Assessing Children's Social Cognition: Do

Parent and Teacher Ratings Converge?

Rebecca Musie^{1,2}, Kate Bray¹, Vicki Anderson^{1,2},

Amy Brown¹, Stephen Hearps¹

¹Murdoch Children's Research Institute,

Melbourne, Victoria, Australia. ²University Of

Melbourne, Melbourne, Victoria, Australia

218 Co-creation steps and focus group findings

supporting the development of a serious video

game for optimizing youth social skills

Julia Salles¹, Isabelle Ouellet-Morin¹, Louis-

Martin Guay¹, Miriam H Beauchamp^{1,2}

¹Université de Montréal, Montreal, QC, Canada.

²CHU Sainte-Justine, Montreal, QC, Canada

203 Relationship Between Social Cognition, Brain Structure,
and Perfusion in Multiple Sclerosis Patients: A Pilot Study

Francesca Mariani¹, Isis Camacho¹,

Fabian Gomez², Andrés Damián¹

¹Hospital de Clínicas, Montevideo, Uruguay.

²Hospital de Clínicas, Montevideo, Uruguay

Symposium 15: (Williamson) Autonomic features
in response to trauma and common and divergent
mechanisms across the lifespan: Implications for
clinical integration and intervention development.

09:00 - 10:25 Saturday, 7th February, 2026

Location: Salon I (Level 5)

Presentation type Symposium

Introduction:

40 Autonomic features in response to trauma and common
and divergent mechanisms across the lifespan: Implications
for clinical integration and intervention development.

Chair

John B Williamson

University of Florida, Gainesville, FL, USA

Discussant (Optional)

John B Williamson

University of Florida, Gainesville, FL, USA

Summary Abstract

In the context of trauma (i.e., traumatic brain injury and post-traumatic stress disorder), disruptions of autonomic nervous system regulation have been identified as a potential mechanism of symptom development, decreased physiological health, and accelerated brain aging. High frequency heart rate variability (HRV) is a measure of parasympathetic influence on the heart. Higher HRV is typically associated with better adaptive response to stress and overall systemic health. The dynamic behavior of HRV in response to different stress conditions may provide insight into cognitive/brain and systemic health. HRV dynamics change over the lifespan (e.g., resting high frequency HRV reduces with age) and is affected by brain development as inputs from medial prefrontal cortex and regulation of limbic brain networks mature and degrade in response to life stressors, systemic stressors, and acquired brain injuries. This symposium is composed of four presentations including (1) the characterization of dynamic cardio-autonomic responses in a large sample of adolescents during the post-acute phase of concussion, (2) an investigation of the relationship between HRV, cognition, and interoceptive-predictive coding networks in subacute geriatric TBI, utilizing multimodal neuroimaging, (3) an examination of the impact of HRV on sleep metrics, hyperarousal, and cognition, in Veterans with PTSD undergoing polysomnography, and (4) an assessment of HRV changes in response to postural shifts in people with traumatic stress exposure. We will discuss common and divergent mechanisms across these populations, as well as future directions for clinical integration of dynamic autonomic assessment and intervention.

Keyword 1

arousal

Keyword 2

traumatic brain injury

Keyword 3

post-traumatic stress disorder

841 Autonomic Assessment in Adolescent

Concussion: Examining heart rate variability

(HRV) response to stressors by age and sex

Aliyah R Synder

University of Florida, Gainesville, FL, USA

843 Heart-rate variability during cognitive exertion in
older adults with incident traumatic brain injury

Abigail Waters

University of Florida, Gainesville, FL, USA

846 Autonomic measurement during sit-stand posture
shifts reveals impact of traumatic stress on health in
men seeking treatment for erectile dysfunction

Gregory Lewis

University of Indiana, Bloomington, Indiana, USA

848 Hyperarousal, sleep, and next-day cognition in veterans with PTSD and the potential modifying effects of transcutaneous vagus nerve stimulation
Sarah A Bottari
Boston VA, Boston, Massachusetts, USA

Symposium 16: (Dawson) Cognitive and Functional Outcomes Following Radiation for Brain Tumors Across the Lifespan
09:00 - 10:25 Saturday, 7th February, 2026
Location: Salon K (Level 5)
Presentation type Symposium
Introduction:

11 Cognitive and Functional Outcomes Following Radiation for Brain Tumors Across the Lifespan
Chair
Erica L Dawson
The Ohio State University Wexner Medical Center, Columbus, OH, USA
Discussant (Optional)
Summary Abstract
Radiation therapy is standard of care for many types of brain tumors and can be especially critical for treating tumors in areas that are difficult to treat surgically. Previous studies have documented deleterious effects of brain radiation on cognition and aspects of functioning, prompting ever-evolving radiation therapy approaches to reduce toxicity. In particular, studies have recently started identifying ways in which more targeted brain radiation (i.e., proton therapy) may have less negative consequences than traditional radiation (photon therapy) for primary brain tumors. Radiation to areas external to the brain, particularly those in surrounding tissues (i.e., head and neck cancer), can also negatively affect nearby brain tissue and result in cognitive changes. Studies on these neurotoxic effects are vital because the cognitive consequences of brain tumors and their treatment can be challenging to predict and sometimes do not correspond as expected with known functional neuroanatomy when compared with other types of neurological disorders. There are vast individual differences in the degree and extent of neurologic sequelae from radiation therapy, but the factors that predict individual response are poorly understood. Additionally, there is emerging evidence for both personal and environmental variables in predicting outcomes for both pediatric and adult survivors, separate from tumor treatments. This symposium has been curated to highlight positive and negative cognitive and functional consequences of brain radiation and other factors for individuals across the lifespan. Findings include improved cognitive outcomes with proton versus photon brain radiation in children with craniopharyngiomas (Peterson) and a surprisingly greater impact of sociodemographic factors than brain radiation on academic performance in children with craniopharyngiomas

(Cheline). Other studies review predictors of long-term cognitive and functional outcomes following multimodal cancer treatment in childhood, including radiation therapy, such as the presence of impairments in hearing, vision, or olfaction (Paltin, Studaway). Finally, a pivotal study uses neuroimaging to localize brain regions most sensitive to cognitive consequences following brain radiation for adults with head and neck cancer (Murdaugh). These studies highlight the integration of neuropsychology in medical disease, the lifespan approach, the effects of personal and environmental factors in addition to radiation therapy, and the use of wide-ranging outcome variables - ranging from pure sensory function (olfaction) to cognitive performance to activities of daily living. Additionally, the data presented represents both research studies and clinical data captured in the course of routine care, so data collection methods reflect the efforts of the field. Ultimately, the results of these studies will help inform future clinical care and research endeavors.

Keyword 1
cancer
Keyword 2
radiotherapy
Keyword 3
cognitive functioning
299 Superior Verbal Memory and Processing Speed in Pediatric Craniopharyngioma Patients Treated with Proton Versus Photon Radiation
Colleen T Hess¹, Sahaja Acharya², Matthew Ladra², Rachel K Peterson^{3,2}
¹Johns Hopkins All Children's Hospital, St. Petersburg, Florida, USA. ²Johns Hopkins University School of Medicine, Baltimore, Maryland, USA. ³Kennedy Krieger Institute, Baltimore, Maryland, USA

305 Academic Outcomes Among Children Treated for Craniopharyngioma with Proton Radiotherapy
Brian Cheline
St. Jude Children's Research Hospital, Memphis, TN, USA

237 A Novel Grouping Method to Identify Risk and Resilience in Neurocognitive, Adaptive, and Social-Emotional Functioning for Adolescent and Young Adult Survivors of Pediatric Brain Tumors Treated with Proton Radiation Therapy
Logan T Smith^{1,2}, Kethan Shirodkar^{1,3}, Lamia P Barakat^{1,3}, Iris Paltin^{1,3}
¹Children's Hospital of Philadelphia, Philadelphia, PA, USA. ²Temple University, Philadelphia, PA, USA. ³University of Pennsylvania, Philadelphia, PA, USA

268 Olfactory Function and Associated Neurocognitive Impairment among Survivors of Childhood Cancer
Adrienne Studaway, Zachary Wooten, Yoshiko Jackson, Ketaki Sokar, Emily Mott, Kirsten Ness, Melissa Hudson, Belinda Mandrell, Brian

Potter, Nicholas S Phillips, Kevin Krull
St. Jude Children's Research Hospital, Memphis, TN, USA

317 Mapping Brain Radiation Exposure to Cognitive Outcomes in Head and Neck Cancer Survivors: Utilizing Multimodal Analysis Techniques
Donna L Murdaugh, Carlos E Cardenas, Andrew M McDonald
University of Alabama at Birmingham, Birmingham, AL, USA

Paper 18: Plasma Biomarkers in Aging and Disease
09:00 - 10:25 Saturday, 7th February, 2026
Location: Salon B (Level 5)
Presentation type Paper Session
Moderator:

09:00 - 09:14
589 Longitudinal Changes in Blood-Based Biomarkers Track with Cognitive Aging Trajectories
Valentina E. Diaz, Rowan Saloner, Lana Callies, Coty Chen, Carina Lo, Sophia Licata, Jessica Buxton, Julia Borger, Claire Cadwallader, Shubir Dutt, Laura Fenton, Albert Pham, Adam Staffaroni, Joel Kramer, Kaitlin B. Casaletto, Emily W. Paolillo
University of California, San Francisco - Memory and Aging Center, San Francisco, CA, USA

09:14 - 09:28
435 Age at Menopause associates with plasma Alzheimer's biomarkers in Typically Aging Women
Jessica J Buxton, Claire J Cadwallader, Lana Callies, Valentina E Diaz, Coty Chen, Carina Lo, Sophia Licata, Molly Olzinski, Emily Paolillo, Joel Kramer, Rowan Saloner, Kaitlin B Casaletto
UCSF Memory and Aging Center, San Francisco, CA, USA

09:42 - 09:56
745 Plasma Biomarkers Relate to Cognition and Functional Capacity in Mild Cognitive Impairment: A Cross-Sectional Analysis
Keeley M Scullin¹, Tamer S Ibrahim², Xuemei Zeng², Stewart J Anderson², Jihui L Diaz³, James E Emanuel², Thomas K Karikari², Laisze Lee², Oscar L Lopez², Brian J Lopresti², Andrea M Weinstein², Meryl A Butters², Ariel Gildengers²
¹University of Pittsburgh Medical Center, Pittsburgh, PA, USA. ²University of Pittsburgh, Pittsburgh, PA, USA. ³Duke University, Durham, NC, USA

09:56 - 10:10
871 Effects of Reading Level on Plasma Biomarker Associations with Cognition in English- and Spanish-Speaking Older Adults
Adea Rich, Benjamin Huber, Adam M. Brickman, Jennifer J. Manly
Columbia University, New York, NY, USA

10:10 - 10:24
749 Integrated Social, Molecular, and

Clinical Profiling of Cognitive Status
Cigdem S. Bayrak, Drew P. Melancon, Li Zhou, Tianxu Xia, Amy Aloysi, Judith Neugroschl, Xinyi Zhang, Shreya Upendra, Sarah Curtis, Romal Bhullar, Yuekun Shao, Jason Morin, Mahmood Mohamed, Heng Chu, Dongming Cai, Ankit Parekh, Jessica Spat-Lemus, Bin Zhang, Clara Li
Icahn School of Medicine at Mount Sinai, New York, NY, USA

Paper 19: Sex and Gender Differences in Brain Health
09:00 - 10:25 Saturday, 7th February, 2026
Location: Salon D (Level 5)
Presentation type Paper Session
Moderator:

09:00 - 09:14
279 Sex-Specific Associations Between Arterial Stiffness and Cognitive Functioning in Older Adults Without Dementia
Anna M VandeBunte¹, Lauren Edwards², Kelsey R Thomas¹, David P Salmon¹, Douglas Galasko¹, Kaitlin B Casaletto³, Katherine J Bangen¹
¹University of California, San Diego, San Diego, CA, USA. ²San Diego State University/University of California San Diego Joint Doctoral Program, San Diego, CA, USA. ³University of California, San Francisco, San Francisco, CA, USA

09:14 - 09:28
524 Sex Differences in Brain Aging Among Long-Term Survivors of Pediatric Brain Tumor
Lindsay F. Smegal¹, Shalaila S. Haas², Bradley T. Baker³, Tricia Z. King⁴
¹Department of Psychology, Georgia State University, Atlanta, GA, USA. ²Department of Psychiatry, Icahn School of Medicine at Mount Sinai, New York, NY, USA. ³Tri-institutional Center for Translational Research in Neuroimaging and Data Science (TReNDS), Atlanta, GA, USA. ⁴Nell Hodgson Woodruff School of Nursing, Emory University, Atlanta, GA, USA

09:28 - 09:42
452 Reproductive Factors and Cognitive Outcomes in Women and Men: Findings from the Hellenic Investigation of Aging and Diet
Sotiria Moza¹, Nikolaos Scarmeas^{2,3}, Georgios Hadjigeorgiou⁴, Efthimios Dardiotis⁵, Mary Yannakoulia⁶, Paraskevi Sakka⁷, Mary H Kosmidis¹
¹Aristotle University of Thessaloniki, Thessaloniki, Greece. ²National and Kapodistrian University of Athens, Athens, Greece. ³Columbia University, New York, New York, USA. ⁴University of Cyprus, Nicosia, Cyprus. ⁵University of Thessaly, Larissa, Greece. ⁶Harokopio University, Athens, Greece. ⁷Athens Alzheimer's Association, Marousi, Greece

09:42 - 09:56
783 Gender Differences in Progression to Dementia from Amnesic Mild Cognitive Impairment
Cameron K Perrin, Joseph Gullett

University of Florida, Gainesville, FL, USA

10:10 - 10:24

1023 Investigating Racial and Sex Disparities through Caregiver Perspectives of the Autism Diagnostic Journey Based on Results from SPARK's Event History Calendar Questionnaire
Giuliana Caprara¹, Zach Algaze¹, LeeAnne Green Snyder², Jessica Benson³, Eric Butter⁴, Pamela Feliciano², Amanda Gulsrud⁵, Jill F Harris⁶, Robin P Goin-Kochel⁷, Alexander Kolios³, Rebecca Landa⁸, Lisa Shulman⁹, Rebecca Shaffer¹⁰, Ericka L Wodka⁸, Cheryl Klaiman³, Juhi Pandey¹
¹Children's Hospital of Philadelphia, Philadelphia, PA, USA. ²Boston Children's Hospital, Boston, MA, USA. ³Marcus Autism Center, Atlanta, GA, USA. ⁴Nationwide Children's Hospital, Columbus, OH, USA. ⁵Semel Institute, UCLA, Los Angeles, CA, USA. ⁶Children's Specialized Hospital, New Brunswick, NJ, USA. ⁷Texas Children's Hospital, Houston, TX, USA. ⁸Kennedy Krieger Institute, Baltimore, MD, USA. ⁹Montefiore Hospital, Bronx, NY, USA. ¹⁰Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA

Poster 09: Developmental Disorders and Pediatric Neuropsychology

09:00 - 10:15 Saturday, 7th February, 2026

Location: Franklin Hall B (Level 4)

Presentation type Poster Session

P9-01 Examining the Relation of Comorbid Major Depressive Disorder to Executive Functioning in College Students with Attention-Deficit/Hyperactivity Disorder
Adam P Jones, Adrienne Jankowski, Kylee Burnel, Julie Suhr
Ohio University, Athens, OH, USA

P9-02 Parent-Report, but not Performance Measures, Predict Diagnosis of Attention-Deficit/Hyperactivity Disorder in Children
Allison R. Brown, Elizabeth Heideman
Northwest Suburban Psychology Group, Riverwoods, IL, USA

P9-03 Bilingual Advantage in Verbal Learning and Memory Among Mexican-American Individuals With Attention-Deficit/Hyperactivity Disorder
Andrea Vargas Ramirez¹, Jéssica V. Bautista Martínez², Sandra Meza Cavazos¹, María I. del Villar Basauri¹, Ana Minakata², Sara P. González Flores², Krissy E. Smith³, Silvia J. Rodríguez González², Ana V. De Anda Roa², Daniel Walter López Hernández⁴
¹Universidad de Monterrey, Monterrey, Nuevo León, Mexico. ²Tecnológico de Monterrey, Monterrey, Nuevo León, Mexico. ³CSU Dominguez Hills, Carson, California, USA. ⁴Alliant International University, Alhambra, California, USA

P9-04 The Impact of Attention-Deficit/Hyperactivity Disorder on the Frequency and Type of Everyday Memory Errors

Arianna Jepsen, Brianna Cashman, Jade Taylor, Brandon Mills, Lianna Bolen, Rebeka Scheich, Callie Chaney, Kitty Brushaber-Drockton, Reid Skeel
Central Michigan University, Mt. Pleasant, MI, USA

P9-05 Does mid-childhood cognition predict academic difficulties in the early teens over and above the course of ADHD?
Ciara M Dale¹, Pieter J Vuijk¹, Alysa E Doyle^{1,2}
¹Center for Genomic Medicine, Massachusetts General Hospital, Boston, MA, USA. ²Harvard Medical School, Boston, MA, USA

P9-06 ADHD Polygenic Risk and Behavioral Trajectories in Japanese Children: Evidence from the HBC Study
Claire J Brabander^{1,2}, Abir Nagata³, Yoko Nomura^{1,2,3,4}, Kenji J Tsuchiya³
¹City University of New York, Graduate Center, New York, New York, USA. ²Queens College, City University of New York, New York, New York, USA. ³Research Center for Child Mental Development, Hamamatsu University School of Medicine, Hamamatsu, Japan. ⁴Ichan School of Medicine at Mount Sinai, New York, New York, USA

P9-07 Diagnostic Overshadowing: Attention Deficit Hyperactivity Disorder and Learning Disabilities in the United States Hispanic Population
Clarisa Roye, Jennifer Gutierrez, Catalina Rodriguez
Albizu University, Miami, FL, USA

P9-08 Attention-Deficit/Hyperactivity Disorder Influences Mexican-Americans Processing Speed Abilities
Daniel Walter López Hernández¹, Andrea Vargas Ramirez², Maura Villalobos San José³, Nicole Feeney⁴, Ana Minakata⁵, Raymundo Cervantes¹, Paulina N. Arévalo Torres⁶, María I. del Villar Basauri², Sara P. González Flores⁵, Natalie Gevoglanian¹, Daniela Roldán Jiménez⁶
¹Alliant International University, Alhambra, California, USA. ²Universidad de Monterrey, Monterrey, Nuevo León, Mexico. ³Tecnológico de Monterrey, Tlalpan, Ciudad de México, Mexico. ⁴UCLA, Los Angeles, California, USA. ⁵Tecnológico de Monterrey, Monterrey, Nuevo León, Mexico. ⁶Tecnológico de Monterrey, Guadalajara, Jalisco, Mexico

P9-09 The Lasting Scars of Bullying: Bullying Severity as a Mediator of ADHD and Borderline Personality Disorder
Destiny Orantes¹, Kevin Antshel²
¹Syracuse University, Syracuse, NY, USA. ²Syracuse University, Syracuse, NY, USA

P9-10 Executive Dysfunction in Adult Attention-Deficit/Hyperactivity Disorder
Ethan Wallace, Michael Daniel, Paul Michael
Pacific University, Forest Grove, Oregon, USA

P9-11 Math Achievement in ADHD: An Experimental Manipulation of Working Memory Load

Fatou Gaye^{1,2}, Alissa M Cole-Olsen¹,
Julia Obi¹, Michael J Kofler¹
¹Florida State University, Tallahassee, Florida, USA.
²University of Chicago Medicine, Chicago, Illinois, USA

P9-12 Attention-Deficit/Hyperactivity Disorder and
Childhood Trauma: Diagnostic Overlap and Distinctions
Hailey Kinzer, Kellye Winbush-Fairley, Neil H. Pliskin,
Kyle J. Jennette, Woojin Song, Brian M. Cerny, Malorie
E. Watson, Jason R. Soble, Matthew S. Phillips
University of Illinois Chicago, Chicago, Illinois, USA

P9-13 Cognitive Behavioral Therapy
Improves Cognition in Severe ADHD
MARIOS CONSTANTINOU
University of Nicosia, Nicosia, Cyprus

P9-14 VISUAL CLUES TO ATTENTION: WORKING
MEMORY PERFORMANCE IN UNIVERSITY STUDENTS
WITH AND WITHOUT ADHD: PRELIMINARY RESULTS
Juliana Oliveria Guerra¹, Fabiana Lopes de Paula², Amanda
V.A. Dias¹, Stefan Van der Stigchel³, Neander Abreu¹
¹Universidade Federal da Bahia, Salvador, BA,
Brazil. ²Universidade Federal do Recôncavo
da Bahia, Santo Antonio de Jesus, BA, Brazil.
³Utrecht, University, Netherlands

P9-15 Do Depressive Symptoms Moderate the Mediating
Role of Executive Function Between Attention-Deficit/
Hyperactivity Symptoms and Functional Impairment?
Nicole M Colón-Bosques, Kevin J Armstrong
Mississippi State University, Starkville, MS, USA

P9-16 Attention Deficit Hyperactivity Disorder In India
In The Digital Age: A Retrospective Study Of The
Complex Clinical Profiles Of Adults Seeking Diagnosis
Porrselvi A P, Sneha C R
Unified Brain Health Care, Chennai, Tamil Nadu, India

P9-17 Language Performance in Monolinguals
and Bilinguals Mexican-Americans With
Attention-Deficit/Hyperactivity Disorder
Sara P. González Flores¹, Andrea Vargas Ramirez²,
Isabel D. C. Muñoz³, Esteban Valenzuela Romero¹,
Maura Villalobos San José⁴, Daniela Roldán
Jiménez⁵, Jéssica V. Bautista Martínez¹, María I. del
Villar Basauri², José R. Andrade Velasco¹, Natalie
Gevoglianian⁶, Daniel Walter López Hernández⁶
¹Tecnológico de Monterrey, Monterrey, Nuevo León,
Mexico. ²Universidad de Monterrey, Monterrey,
Nuevo León, Mexico. ³California State University,
Northridge, California, USA. ⁴Tecnológico de Monterrey,
Tlalpan, Ciudad de México, Mexico. ⁵Tecnológico
de Monterrey, Guadalajara, Jalisco, Mexico. ⁶Alliant
International University, Alhambra, California, USA

P9-18 Gender Disparities in ADHD: A

Review of Diagnosis in Younger Girls
Yashvika S Sukhramani¹, Hannah T Pescaru², Paul Lewis³
¹Weddington High School, Waxhaw, North Carolina,
USA. ²Stanford University, Stanford, California,
USA. ³Columbia Vagelos College of Physicians
and Surgeons, New York City, New York, USA

P9-19 The Social Communication Questionnaire is
Specific, But Not Sensitive, For Autism Spectrum Disorder
Diagnosis in a Pediatric Clinic-Referred Sample
Abigail Farrell, Jennifer Osborne, Alexandra Kirsch
NorthShore Hospitals – Endeavor Health, Evanston, IL, USA

P9-20 Differentiating Episodic and Semantic
Autobiographical Memory in Down Syndrome and
Fragile X Syndrome: A Longitudinal Analysis
Hailey Van Vorce¹, Chelsea Armour¹, Madison
Fleming¹, Alyssa An¹, Angela Thurman²,
Leonard Abbeduto², Jamie Edgin¹
¹Virginia Tech, Blacksburg, VA, USA. ²University
of California Davis, Sacramento, CA, USA

P9-21 Neuropsychological and Functional Outcomes of
Vagus Nerve Stimulation in Epilepsy With Comorbid Autism
Isabela Iglesias^{1,2}, Marthena Phan^{1,3}, Puck Reenders¹
¹Nicklaus Children's Hospital, Miami, FL, USA.
²Albizu University, Miami, FL, USA. ³Florida
International University, Miami, FL, USA

P9-22 Moderating Role of Verbal Reasoning Skills in
the Relationship Between Prenatal Superstorm Sandy
Exposure and Frontal and Parietal Brain Volumes
Ishra Khan¹, Donato Delngeniis^{1,2}, Alice Zhiyue
Wang^{1,3}, Monika Baldyga¹, Simona Iskander¹, Roberto
Bailey⁴, Yoko Nomura^{1,2,5}, Duke Shereen⁶
¹Department of Psychology, Queens College, Queens, NY,
USA. ²CUNY Graduate Center, City University of New
York, Manhattan, NY, USA. ³Department of Professional
Psychology, Chestnut Hill College, Philadelphia, PA,
USA. ⁴Hunter College Campus Schools, Manhattan,
NY, USA. ⁵Department of Psychiatry, Icahn School
of Medicine at Mount Sinai, Manhattan, NY, USA.
⁶Neuroscience Initiative, City University of New York
Advance Science Research Center, Manhattan, NY, USA

P9-23 More Than Meets the (Diagnostic) Eye: A Systematic
Review on Relationships Between fMRI and Behavior in
Infants With or At High Risk for Autism Spectrum Disorder
Jordan Pincus¹, Lindsay Smegal¹, Tricia Z King²
¹Georgia State University, Atlanta, GA,
USA. ²Emory University, Nell Hodgson
School of Nursing, Atlanta, GA, USA

P9-24 A Strength-Based Employment Maintenance
Program for Autistic Individuals: KF-STRIDE Into Work
Katarina Reduzzi¹, Mikayla Haas^{1,2}, Daniel
Sullivan¹, Heba Elsayed^{1,3}, Maya Schwartzman¹,

Michael Dacanay¹, Helen Genova^{1,3}
¹Kessler Foundation, East Hanover, NJ, USA.
²Montclair State University, Montclair, NJ, USA.
³Rutgers University, Newark, NJ, USA

P9-25 Evaluating the Psychometric Properties of the Toronto Alexithymia Scale in Autistic and Non-Autistic Samples of Young Adults
 Madeleine K Guell, Molly E Berman, Amy V Van Hecke
 Marquette University, Milwaukee, WI, USA

P9-26 Psychological Symptom Manifestations in Adolescent Females with Autism Spectrum Disorder: A Systematized Review
 María G Díaz Guasp, Giselle Cordero - Arroyo
 Ponce Health Sciences University, Ponce, Puerto Rico

P9-27 Comparing Fluid Reasoning and Social Functioning Performance Across Neurodevelopmental Disorders and Typical Development
 Marissa S Burch¹, Kim M DellAngela¹, Matthew S Phillips²
¹The Chicago School, Chicago, IL, USA. ²University of Illinois - Chicago, Chicago, IL, USA

P9-28 Executive Functioning in Girls and Women with a Fragile X Premutation
 Natalia Mejia Tirado¹, Shantal Taveras^{1,2}, Amanda Kenep^{1,2}, Shira Russell-Giller^{1,2}, Elizabeth Yakubova^{1,3}, Sonia Seehra^{4,5}, Rachel Goldman^{1,2}, Tatyana Adayev⁶, Nicole Tortora⁶, Anne Glicksman⁶, Emily G Allen⁷, Jessica E Hunter⁸, Veronica J Hinton^{1,2}
¹Queens College, City University of New York, Flushing, NY, USA. ²The Graduate Center, City University of New York, New York, NY, USA. ³Hunter College, City University of New York, New York, NY, USA. ⁴Queens College, Flushing, NY, USA. ⁵The Graduate Center, New York, NY, USA. ⁶NYS Institute for Basic Research in Developmental Disabilities, Staten Island, NY, USA. ⁷Emory University School of Medicine, Atlanta, GA, USA. ⁸RTI International, , Research Triangle Park, NC, USA

P9-29 Spatial Speech-in-Speech Recognition as a Window into Functional Listening Challenges for Autistic Young Adults
 Peter A. Wasiuk, Max J. Corso
 Southern Connecticut State University, New Haven, CT, USA

P9-30 Aberrant Thalamocortical Connectivity Associated with Underlying Social Cognition Abilities in Autism Spectrum Disorder and Early-Onset Psychosis
 Poorvi Balaji¹, Rhideeta Jalal¹, Hector Gutierrez¹, Kristen Lalette², Katherine Karlsgodt², Carrie E. Bearden³, Aarti Nair¹
¹Dept. of Psychology, Loma Linda University, Loma Linda, CA, USA. ²Dept. of Psychology, University of California, Los Angeles, CA, USA. ³Dept. of Psychiatry and Biobehavioral Sciences, University of California, Los Angeles, CA, USA

P9-31 Pragmatic Language Domain Skill Differences in Children with and without a Fragile X Premutation
 Rachel Goldman^{1,2}, Amanda Kenep^{1,2}, Shira Russell-Giller^{1,2}, Sonia Seehra^{1,2}, Shantal Taveras^{1,2}, Elizabeth Yakubova¹, Natalia Mejia¹, Nicole Tortora³, Tatyana Adayev³, Emily Graves Allen⁴, Jessica Ezzell Hunter⁵, Veronica J Hinton^{1,2}
¹Queens College, Flushing, NY, USA. ²The Graduate Center, New York, NY, USA. ³NYS Institute for Basic Research in Developmental Disabilities, Staten Island, NY, USA. ⁴Emory University School of Medicine, Atlanta, GA, USA. ⁵RTI International, Research Triangle Park, NC, USA

P9-32 Emotion-Specific Facial Affect Production Predicts Caregiver-Reported Aggression in Youth with Autism Spectrum Disorder
 Roshni Narasimhan¹, Carly Demopoulos²
¹The Wright Institute, Berkeley, CA, USA. ²University of California, San Francisco (UCSF), San Francisco, CA, USA

P9-33 Characterizing Behavioral and Cognitive Symptom Presentations Among Youth Diagnosed with Both Sickle Cell Disease and Autism Spectrum Disorder
 Sara Ropeta, Jyssa Seebeck, Steven Hardy
 Children's National Hospital, Washington D.C., USA

P9-34 Emerging Cognitive Regulation Weakness in Boys with a Fragile X Premutation
 Shantal Taveras^{1,2}, Amanda Kenep^{1,2}, Shira Russell-Giller^{1,2}, Rachel Goldman^{1,2}, Sonia Seehra^{1,2}, Natalia Mejia Tirado², Elizabeth Yakubova², Nicole Tortora³, Anne Glicksman³, Tatyana Adayev³, Emily G. Allen⁴, Jessica Ezzell Hunter⁵, Veronica J. Hinton^{2,1}
¹The Graduate Center, CUNY, New York, NY, USA. ²Queens College, CUNY, Flushing, NY, USA. ³NYS Institute for Basic Research, Staten Island, NY, USA. ⁴Emory University School of Medicine, Atlanta, GA, USA. ⁵RTI International, Research Triangle Park, NC, USA

P9-35 Functional Connectivity Changes Associated with Agenesis of the Corpus Callosum
 Tannor J Morgan, Paul E Moes
 Calvin University, Grand Rapids, MI, USA

P9-37 Neurocognitive Functioning of Preschool Children At-Risk for Writing Disabilities
 Stephen R. Hooper¹, Lara-Jeane C. Costa¹, Edmund P. Fernandez¹, Alexandra Barker¹, Katie Miller²
¹University of North Carolina at Chapel Hill, Chapel Hill, NC, USA. ²Florida Atlantic University, Boca Raton, FL, USA

P9-38 Sexual Health Risk Behaviors following Adolescent Traumatic Brain Injury: Increased Supervision May Be Protective
 Alexandra C. Bammel, Emma C. Bass, Adam T. Schmidt
 Texas Tech University, Lubbock, TX, USA

P9-39 Rates of Suicidal Ideation, Attempts, & Self-Harm After Head Injury in Juvenile Justice Involved Youth
Alexandra C. Bammel, Victoria E. Dennis, Destiny Rojas, Adam T. Schmidt
Texas Tech University, Lubbock, TX, USA

P9-40 Intellectual and Adaptive Functioning of Young Children with Epilepsy who are Pre-Surgical Candidates: A Report from the Pediatric Epilepsy Research Consortium
Andrew E Molnar¹, Ashley Nguyen-Martinez², Jennifer Koop³
¹Vanderbilt University Medical Center, Nashville, TN, USA. ²University of Colorado Anschutz School of Medicine, Aurora, CO, USA. ³Medical College of Wisconsin, Milwaukee, WI, USA

P9-41 Association Between Executive and Adaptive Functioning Deficits in Pediatric Epilepsy
Anna C. Cichocki^{1,2}, Ian Carson¹, Elizabeth Begyn¹, Jana Chan¹, Anne-Marie N. Fleckenstein¹, Sarah Koch¹, Brenna C. McDonald¹, Emily J. Kalscheur¹
¹Indiana University School of Medicine, Indianapolis, IN, USA. ²Northwestern University, Evanston, IL, USA

P9-42 Interrater Reliability of a Rating System for Evaluating Blocking Developmental Sequences in Youth Football Participants
Sophia Hoover¹, Antonia Frater¹, Alexander Hearn¹, Michalina Pilch¹, Caroline Witeck¹, Mike Gear², Thayne Munce³, Dave Stodden⁴, Erik Swartz⁵, Gerard Gioia¹
¹Children's National Hospital, Washington, D.C., USA. ²USA Football, Indianapolis, IN, USA. ³Kansas University, Lawrence, KS, USA. ⁴University of South Carolina, Columbia, SC, USA. ⁵University of Hawaii, Honolulu, HI, USA

P9-43 Neuroanatomical and Psychosocial Predictors of Psychological and Cognitive Outcomes in Pediatric Temporal Lobe Epilepsy
Dana Martino¹, Ryan Ho¹, Phillip L. Pearl^{1,2}, Simon K. Warfield^{1,2}
¹Boston Children's Hospital, Boston, MA, USA. ²Harvard Medical School, Boston, MA, USA

P9-44 Relationships Between Cognition and Fatigue Symptoms on a Brief, Clinic-Based Neurocognitive Screening Battery in Pediatric-Onset Multiple Sclerosis
Delaney Smith¹, Chelsea L Black², Micky Bacchus², Jessica Legaspi³, Jacqueline Harrison², Sona Narula², Sarah Hopkins², Amy Waldman², Sarah Stoney², Elizabeth Kunzelman², Samantha Fernandez⁴, Anna Melamed², Joshua Joung², Brenda Banwell⁵
¹University of Pennsylvania, Philadelphia, USA. ²Children's Hospital of Philadelphia, Philadelphia, USA. ³Penn Medicine, Philadelphia, USA. ⁴Texas Children's Hospital, Houston, USA. ⁵John Hopkins Children's Center, Baltimore, USA

P9-45 Parental Education and Parent-rated Adaptive Skills in Pediatric Hemorrhagic Stroke
Denise Prieto^{1,2}, Christine Mrakotsky^{1,2}
¹Boston Children's Hospital, Boston, MA, USA. ²Harvard Medical School, Cambridge, MA, USA

P9-46 Caregiver Stressors and Resources Following Pediatric TBI and Orthopedic Injury
Dylan R. Jenkins, Alexandra C. Bammel, Adam T. Schmidt
Texas Tech University, Lubbock, Texas, USA

P9-47 Neurocognitive and structural neuroimaging in pediatric patients with insular tumors and co-occurring seizures: A Case Series
Emily Warren^{1,2}, Jessica Orobio^{1,2}, Dana Martino¹, Mikaela Selby¹, Alyssa Ailion^{1,2}
¹Boston Children's Hospital, Boston, MA, USA. ²Harvard Medical School, Boston, MA, USA

P9-48 Oculomotor Considerations in Pediatric Concussion Care and Implications for Neurocognitive Screening: A Case Study
Emily C. Wilson¹, Aimee T. Hammer², Laura K. Winstone-Weide²
¹Midwestern University, Glendale, AZ, USA. ²Phoenix Children's, Phoenix, AZ, USA

P9-49 Phenotypes of Memory Functioning in Left Versus Right Pediatric Temporal Lobe Epilepsy
Erin T. Kaseda¹, Emily Olsen², Donald Bearden³, Madison M. Berl⁴, Jennifer I. Koop¹, Kristina Patrick^{5,6}
¹Medical College of Wisconsin, Milwaukee, WI, USA. ²Oregon Health and Science University, Portland, OR, USA. ³Le Bonheur Children's Hospital, Memphis, TN, USA. ⁴Children's National Hospital, Washington D.C., USA. ⁵University of Washington, Seattle, WA, USA. ⁶Seattle Children's Hospital, Seattle, WA, USA

P9-50 Concussion Recovery Trajectories in Autistic Youth
Hailey Johnson, Tali Rasooly, Christopher Vaughan, Gerard Gioia
Children's National Hospital, Washington DC, USA

P9-51 Prediction of Language Lateralization in Pediatric Epilepsy Patients Using the Cognitive Lateralization Rating Index and Functional Magnetic Resonance Imaging
Haley V. Skymba, Sydney E. Park, Hope M. Reeher, Mohit Maheshwari, Jennifer Koop
Medical College of Wisconsin, Milwaukee, WI, USA

P9-52 Beyond Traditional Assessments: Innovations in Digital Tools for Assessing and Rehabilitating Executive Dysfunction in Pediatric Traumatic Brain Injury
Juliana Ortiz, Dr. Gesenia Sloan-Pena
Nova Southeastern University, Davie, FL, USA

P9-53 The Impact of Dual Language Exposure on

Language and Executive Functioning in Pediatric Epilepsy
Leanne Mendoza^{1,2}, Kelsey Hawthorne¹, Mariana Amaya¹, Anastasia Harrell^{1,2}, Sanya Mital¹, Latanya D Agurs^{1,2}, Madeline Kahan^{1,2}, Brittany Jordan^{1,2}, Asri Yuliaty^{1,2}, Sucheta M Joshi^{1,2}, Jenna A Chiang^{1,2}
1Children's Hospital Los Angeles, Los Angeles, CA, USA.
2University of Southern California, Los Angeles, CA, USA

P9-54 The Impact of Concussion Mechanism on Anxiety and Depression Symptoms in Adolescents
Lauren N. Eisenstat¹, Jennifer N. Elvir¹, Stephen C. Bunt¹, Shane M. Miller², Christian LoBue¹, Mathew Stokes¹, C. Munro Cullum¹
1The University of Texas Southwestern Medical Center, Dallas, TX, USA. 2Scottish Rite for Children Orthopedic and Sports Medicine, Frisco, TX, USA

P9-55 Cortical Organization and Executive Function in Pediatric Traumatic Brain Injury
Madeleine Reading¹, Emily L Dennis², Elisabeth A Wilde^{2,3}, Karen Caeyenberghs⁴, Cooper MacArthur¹, Max Davis¹, Tanner Brady¹, Sydney Christensen¹, Talin Babikian⁵, Brenda L Bartnik-Olson⁶, Linda Ewing-Cobbs⁷, Kristen R Hoskinson^{8,9}, Abigail Livny^{10,11}, Nicholas Ryan⁴, Tricia L Merkley^{1,2}
1Brigham Young University, Provo, Utah, USA.
2University of Utah, Salt Lake City, Utah, USA. 3Salt Lake City VA Healthcare System, Salt Lake City, Utah, USA. 4Deakin University, Melbourne, Australia.
5UCLA David Geffen School of Medicine, Los Angeles, California, USA. 6Loma Linda University Health, Loma Linda, California, USA. 7McGovern Medical School at UTHealth, Houston, Texas, USA. 8Ohio State University of Medicine, Columbus, Ohio, USA. 9Abigail Wexner Research Institute at Nationwide Children's Hospital, Columbus, Ohio, USA. 10Sheba Medical Center, Ramat Gan, Israel. 11Tel Aviv University, Tel Aviv, Israel

P9-57 Confrontation Naming and Verbal Fluency in Pediatric Onset Demyelinating Disorders
Mary Pat Hamzik^{1,2}, Chelsea Black¹
1Children's Hospital of Philadelphia, Philadelphia, PA, USA. 2La Salle University, Philadelphia, PA, USA

P9-58 Postsurgical Change in Neurocognitive Functioning in Pediatric Patients with Comorbid Epilepsy and Brain Tumor
Mikaela Selby¹, Dana Martino¹, Giovanna Stefanini¹, Philip Pearl^{1,2}, Jeffrey Bolton^{1,2}, Scellig Stone^{1,2}, Simon Warfield^{1,2}, Emily Warren^{1,2}, Alyssa Ailion^{1,2}
1Boston Children's Hospital, Boston, Massachusetts, USA.
2Harvard Medical School, Boston, Massachusetts, USA

P9-59 What's Going Through Your Mind: A Preliminary Look at Illness Perception in Youth with Persisting Symptoms after Concussion
Molly A. O'Reilly^{1,2}, Erin A. McLean¹, Jonathan D. Lichtenstein^{1,3}

1Dartmouth Hitchcock Medical Center, Lebanon, NH, USA.
2Antioch University New England, Keene, NH, USA. 3Geisel School of Medicine at Dartmouth, Hanover, NH, USA

P9-60 Examining Neuroprotective Factors in a Patient with Temporal Lobe Epilepsy and Multiple Surgical Interventions
Niharika Verma, Alexandra Schwartz, Jacqueline Mahfood
Nicklaus Children's Hospital, Miami, Florida, USA

P9-61 A Developmentally and Culturally Informed Framework for Understanding Pediatric Traumatic Brain Injury and Posttraumatic Stress Disorder Comorbidity
Radha Kanchana Karthik^{1,2}, Emily Haney-Caron²
1The City University of New York Graduate Center, New York, New York, USA. 2John Jay College, New York, New York, USA

P9-62 Tracking Early Cognitive Recovery After Anti-NMDA Receptor Encephalitis: A Case Illustration Using the AMFAST Brief Cognitive Screener
Rebecca R. Bell¹, Lauren K. Ayr-Volta², Bryan M. Freilich³
1University of Connecticut, Storrs, CT, USA. 2Connecticut Children's Medical Center, Hartford, CT, USA. 3Albert Einstein School of Medicine, Bronx, NY, USA

P9-63 Computerized Adaptive Test Assessment of Depression in Adolescents Following Concussion
Robbie T. Magill¹, Stephen C. Bunt¹, Linda S. Hynan¹, Nyaz Didehbani¹, Shane M. Miller², Mathew Stokes¹, Gerard Gioia³, Fred P. Rivara⁴, Christopher C. Giza⁵, C. Munro Cullum¹
1University of Texas Southwestern Medical Center, Dallas, TX, USA. 2Scottish Rite for Children Orthopedic and Sports Medicine, Frisco, TX, USA. 3Children's National Hospital, Washington, D.C., USA. 4University of Washington, Seattle, WA, USA. 5University of California Los Angeles, Los Angeles, CA, USA

P9-64 Anxiety Impairs Adolescent Traumatic Brain Injury Survivors Learning and Memory
Daniel Walter López Hernández¹, Victoria Asereth², Jéssica V. Bautista Martínez², Ana Minakata², Raymundo Cervantes¹, Krissy E. Smith³, María I. del Villar Basauri⁴, Sara P. González Flores², Armando Acuña Rodríguez², Andrea Vargas Ramirez⁴, Anushka K. Soni⁵, Nicole Feeney⁶
1Alliant International University, Alhambra, California, USA. 2Tecnológico de Monterrey, Monterrey, Nuevo León, Mexico. 3CSU Dominguez Hills, Carson, California, USA. 4Universidad de Monterrey, Monterrey, Nuevo León, Mexico. 5Azusa Pacific University, Los Angeles, California, USA. 6UCLA, Los Angeles, California, USA

P9-65 Associations Between Deoxyribonucleic Acid Methylation of Brain-Derived Neurotrophic Factor and Neurobehavioral Outcomes Following Pediatric Traumatic Brain Injury
Xi Yang¹, Lacey W. Heinsberg¹, Bailey Petersen¹, Aboli

A. Kesbhat^{1,2}, Zachary Stec¹, Lauren M. Kaseman¹,
Sanjana Das¹, Patrick M. Kochanek¹, Keith O.
Yeates³, Yvette P. Conley¹, Amery Treble-Barna¹
¹University of Pittsburgh, Pittsburgh, Pennsylvania, USA.
²Drexel University, Philadelphia, Pennsylvania, USA.
³University of Calgary, Calgary, Alberta, Canada

P9-66 The Double-Edged Impact of Algorithmic Feeds
on Teen Mental Health: A Systematic Review
Alice Qian¹, Sarah Frances², Paul Lewis³
¹Horace Mann School, Bronx, New York, USA.
²McGill University Faculty of Medicine, Montreal,
Quebec, Canada. ³University of California Los
Angeles (UCLA), Los Angeles, California, USA

P9-67 Parenting Behaviors that Support
Executive Functioning in Early Childhood
Christina Lee¹, Emma Gimenez DeGeorge¹, Alexis
Taylor¹, Ellyn Reed¹, Marjorie Beeghly¹, Moriah
E Thomason², Christopher Trentacosta¹
¹Wayne State University, Detroit, MI, USA.
²New York University, New York, NY, USA

P9-68 Thrice Exceptional: A Case Study
Exploring Pediatric Giftedness, Attention-Deficit
Hyperactivity Disorder, and Tourette Syndrome
Fletcher Nelson^{1,2}, Gary Rempel¹
¹Colorado Center for Assessment, Fort Collins, CO, USA.
²Florida Institute of Technology, Melbourne, FL, USA

P9-69 Social Media Use and Anxiety Disorders
in Adolescents: A Systematic Review
Lucia Mastroianni¹, Sarah Frances², Paul Lewis³
¹Ethical Culture Fieldston School, Bronx, New
York, USA. ²McGill University Faculty of Medicine,
Montreal, QC, Canada. ³University of California
Los Angeles (UCLA), Los Angeles, CA, USA

P9-70 The Mediating Role of Parent-Child Dysfunctional
Interactions in the Association Between Preschool
Motor Skills and Multiple Internalizing Symptoms
Patricia C Lasutschinkow¹, Seth Warschausky²,
Renée Lajiness-O'Neill^{2,3}, Jin Bo¹
¹Eastern Michigan University, Ypsilanti, MI, USA.
²University of Michigan, Ann Arbor, MI, USA. ³University
of Pittsburgh School of Medicine, Pittsburgh, PA, USA

P9-71 Disorder-specific Attentional Biases in Children and
Adolescents with Anxiety and Depression Disorders
Sheila Vazir
Rutgers University, New Brunswick, New Jersey, USA.
James A. Haley Veterans' Hospital, Tampa, Florida, USA

P9-72 A Comprehensive Systematic Literature
Review of the Cognitive Impairment in Adults
with Chiari Malformation Type I
Mohammed A. Fouda, Asia Shrir, Elliot Zakursky,

Aharnish Dev, Emily Amouyal, Amanda Sacks-
Zimmerman, Jeffrey P Greenfield, H. Allison Bender
Weill Cornell Medicine, New York, NY, USA

P9-73 Invisible but Impactful: Advancing Assessment in
Mild to Moderate Hypoxic-Ischemic Encephalopathy
Gesenia Sloan-Pena, Lamiya Maguire-Khan
Nova Southeastern University, Fort Lauderdale, Florida, USA

P9-74 Pioneering Approaches to Neonatal Brain
Injury: A Systematic Review of Therapeutic
Hypothermia and Neurodevelopmental Outcome in
Infants with Hypoxic-Ischemic Encephalopathy
Gesenia Sloan-Pena, Katana Rader, Jonathan Brett
Nova Southeastern University, Fort Lauderdale, Florida, USA

P9-75 Beyond the Mask: Neurocognitive and
Behavioral Outcomes of Repeated General
Anesthesia in Children Under Five
Gesenia Sloan-Pena, Juliana Ortiz, Rosa Millan, Eli Wiener
Nova Southeastern University, Fort Lauderdale, Florida, USA

P9-76 Disparities in Infants of Color with a
History of Hypoxic Ischemic Encephalopathy:
Implications for Neurodevelopmental Equity
Gesenia Sloan-Pena, Juliana Ortiz, Lamiya Maguire-Khan
Nova Southeastern University, Fort Lauderdale, Florida, USA

P9-77 The Pediatric Neuropsychologist's Role in Supporting
Families of Infants with Hypoxic-Ischemic Encephalopathy:
Innovations in Family-Centered Neuropsychological Care
Gesenia Sloan-Pena, Rosa Millan, Stav Sharoni, Max Gould
Nova Southeastern University, Fort Lauderdale, Florida, USA

P9-78 Characterizing Episodic Memory
in Pediatric Moyamoya Disease
Ian W Carson^{1,2}, Claire H Friedhoff², Elizabeth Begyn²,
Jana Chan², Anne-Marie N Fleckenstein², Sarah
Koch², Brenna C McDonald², Emily J Kalscheur²
¹Indiana University Indianapolis, Indianapolis,
Indiana, USA. ²Indiana University School of
Medicine, Indianapolis, Indiana, USA

P9-79 Neuropsychological Findings in an Emergent
Adult Survivor of Congenital Diaphragmatic Hernia
Jane Lee, Daniela Carballo, Veronica J.
Hinton, Melinda A. Cornwell
CUNY Graduate Center, Queens College, Flushing, NY, USA

P9-80 Social-Emotional and Executive Functioning in
Children with Congenital Cytomegalovirus and Hearing Loss
Jessica C Luedke^{1,2}, Amber Graham^{1,2}, Christine
Macdonald^{1,2}, Rachel Landsman^{1,2}
¹Boston Children's Hospital, Boston, MA, USA.
²Harvard Medical School, Boston, MA, USA

P9-81 Neurocognitive Outcomes in School-Age

Children with Myelomeningocele or Myeloschisis: A Comparison of Fetal and Postnatal Surgical Groups
Joy Bergmann¹, Andrew Lenart¹, Shreya Mehta^{1,2}, Leny Mathew¹, Sanjana R Salwi², Tom Reynolds¹, Gregory Heuer¹, Jane E Schreiber¹
¹Children's Hospital of Philadelphia, Philadelphia, PA, USA. ²University of Pennsylvania, Perelman School of Medicine, Philadelphia, PA, USA

P9-82 Verbal Strengths in a Case of Occipital Encephalocele Status Post Perinatal Rupture
Samantha D Sorid¹, Gianna Scimemi², Nina H Thomas^{3,4}
¹Temple University, Philadelphia, PA, USA. ²Saint Elizabeth University, Florham Park, NJ, USA. ³The Children's Hospital of Philadelphia, Department of Child and Adolescent Psychiatry and Behavioral Sciences, Philadelphia, PA, USA. ⁴The University of Pennsylvania, Department of Clinical Psychiatry, Philadelphia, PA, USA

Plenary G: Personalized Precision Neuromodulation
10:30 - 11:30 Saturday, 7th February, 2026
Location: Grand Ballroom / Salon E
Presentation type Plenary
Speaker:
Alvaro Pascual-Leone, MD, PhD

Introduction:

CE: 1 Hour
Level of Instruction: Intermediate

1181 Personalized Precision Neuromodulation

Coffee Break
11:30 - 11:45 Saturday, 7th February, 2026
Location: Franklin Hall B (Level 4)
Presentation type Other

Poster 10: Late Breaking
11:30 - 12:45 Saturday, 7th February, 2026
Location: Franklin Hall B (Level 4)
Presentation type Poster Session

P10-01 Associations between persistent vestibular and mood symptoms on cognitive performance after Mild or Moderate Traumatic Brain Injury: A Veterans Affairs TBI Model Systems Study
Emanuel M Boutzoukas¹, Karen M Skop^{1,2}, Marc A Silva^{1,2}
¹James A. Haley Veterans' Hospital, Tampa, FL, USA. ²University of South Florida, Tampa, FL, USA

P10-02 Assessing for Executive Function Impairment in Current and Former Military Special Operators
Grant L Iverson^{1,2,3}, Alicia Kissinger-Knox^{2,4}
¹Harvard Medical School, Boston, MA, USA. ²Spaulding Rehabilitation Hospital, Charlestown,

MA, USA. ³Home Base, A Red Sox Foundation and Massachusetts General Hospital Program, Charlestown, MA, USA. ⁴Mayo Clinic, Jacksonville, Florida, USA

P10-03 Jeanette Wasserstein 1, Mary V Solanto 2, Gerry A Stefanatos 3
jeanette wasserstein
mount Sinai School of medicine, New York, NY, USA

P10-05 The Impact of Traumatic Brain Injury on Fluency in Hispanic Populations
María I del Villar Basauri¹, Daniel Walter López Hernández²
¹Universidad de Monterrey, Monterrey, Nuevo León, Mexico. ²Allient International University, Alhambra, California, USA

P10-06 Change in Vestibular Symptom Severity in Veterans and Military Personnel with Traumatic Brain Injury During Chronic Recovery
Emanuel M Boutzoukas¹, Samantha G Smith¹, Karen M Skop^{1,2}, Marc A Silva^{1,2}
¹James A. Haley Veterans' Hospital, Tampa, FL, USA. ²University of South Florida, Tampa, FL, USA

P10-07 Socioeconomic Status and Depression Attenuate the Relationship Between Sexual Minority Status and Daily Functioning Limitations Among Older Adults
Carolina L. Costa, Carlos E. E. Araujo-Menendez, Ariana M. Stickel
San Diego State University, San Diego, CA, USA

P10-08 Vigilance-Related Default Mode Network Suppression Predicts Alcohol Use Frequency
Colleen E. Markey¹, Michelle Perez¹, Emily Norton¹, Carly McIntyre-Wood², Emily Mackillop², Michael Amlung³, James Mackillop², Lawrence Sweet¹
¹University of Georgia, Athens, GA, USA. ²McMaster University, Hamilton, Ontario, Canada. ³University of Kansas, Lawrence, KS, USA

P10-09 Cumulative Exposure to Alcohol Use and Social Engagement as Model Predictors of Cognitive Impairment
Juliamaria Coromac-Medrano, Greta E. Hermann, Rachel E. Thayer
University of Colorado Colorado Springs, Colorado Springs, Colorado, USA

P10-10 Intraindividual Variability in Spanish-Language Cognitive Testing: Sociodemographic and Sociocultural Group Comparisons Using the Spanish-Language NIH Toolbox Cognition Battery
Alexandra E Jacob, Justin E Karr, Sheliza Ali
University of Kentucky, Lexington, KY, USA

P10-11 Cognitive Intra-Individual Variability as a Moderator of Neuropathology and Neuropsychological Performance
Nanako A Hawley^{1,2}, Michelle R Madore¹, Benjamin D Hill²
¹VA Palo Alto Health Care System, Palo Alto, CA, USA.

2University of South Alabama, Mobile, AL, USA

P10-12 Examining Post-Operative Neurocognitive Outcomes after Anterior Temporal Lobectomy
Nikhil Reddy, Anthony J Longoria, Matthew Rumschlag, Ifrah Zawar, Shayan Moosa, W Jeffrey Elias, Kristine Ziemba, Nathan B Fountain, Racheal M Smetana
UVA Health, Charlottesville, VA, USA

P10-13 A Systematic Review and Meta-Analysis of the Behavior Rating Inventory of Executive Function-Adult Version in Mood Disorders
Eivind Haga Ronold^{1,2}, Marisse Koolstra³, Marco Andre Hirnstein¹, Rune Raudeberg¹, Åsa Hammar⁴, Esmée Verwijk⁵
¹University of Bergen, Bergen, Vestland, Norway. ²MMIV, Bergen, Vestland, Norway. ³University of Amsterdam, Amsterdam, Netherlands. ⁴University of Lund, Lund, Skane, Sweden. ⁵Department of Medical Psychology, Amsterdam University Medical Centres, Amsterdam, Netherlands

P10-14 Cognitive Effects of Intravenous Ketamine in Treatment-Resistant Depression: A Systematic Review with Focus on Executive and Suicidal Cognition
Veronique Desbeaumes Jodoin¹, Lou-Anne Chavigny², Nicolas Garel³, Manola Sob Ndongo², Laura Osborne², Gustavo Turecki², Stéphane Richard-Devantoy^{2,4,5}
¹Notre-Dame Hospital, Montreal, Qc, Canada. ²McGill University, Montreal, Qc, Canada. ³CHUM, Montreal, Qc, Canada. ⁴Douglas Mental Health Research Institute, Montreal, Qc, Canada. ⁵CISSS des Laurentides, St-Jerome, Qc, Canada

P10-15 Plasma pTau-217 as a Predictor of Cognitive Change in Healthy Older Adults
Allison C. Moll¹, John L. Woodard¹, Kristy A. Nielson², J. Carson Smith³, Sally Durgerian⁴, Lynn M. Bekris⁵, Maria Khrestian⁴, Frank P. DiFilippo⁴, Stephen M. Rao⁴
¹Wayne State University, Detroit, MI, USA. ²Marquette University, Milwaukee, WI, USA. ³University of Maryland, College Park, MD, USA. ⁴Cleveland Clinic, Cleveland, OH, USA. ⁵University of Washington, Seattle, WA, USA

P10-16 Subjective Cognitive Decline among Caregivers
Brenda Owe¹, Lauren Fisher², Moyosoreoluwa Jacobs¹, Lindsay Ryan³, Laura Zahodne³, Monique Brown⁴
¹Wayne State University, Detroit, MI, USA. ²University of Pennsylvania, Philadelphia, PA, USA. ³University of Michigan, Ann Arbor, MI, USA. ⁴University of South Carolina, Columbia, SC, USA

P10-17 Neuropsychological Profiles as Predictors of Amyloid Pathology Across the Alzheimer's Disease Continuum
Carolina Rader¹, Au Myat (Glenda) May¹, Jafar Zamani², Hadi Hosseini²
¹Palo Alto University, Palo Alto, CA, USA. ²Stanford University, Stanford, CA, USA

P10-18 One Trial is Enough: Predicting Neurocognitive Disorder with the Free and Cued Selective Reminding Test
Dakota A Egglefield¹, Mary K Colvin¹, Mauren Daly², Haley Duncanson¹, Katelyn Bourgea¹, Tahani Chaudhry¹, Janet C Sherman²
¹Department of Psychiatry, Massachusetts General Hospital and Harvard Medical School, Boston, MA, USA. ²Psychiatry and Behavioral Sciences, Feinberg School of Medicine, Northwestern University, Chicago, IL, USA

P10-19 The Intersection Between Generation and Language on Visual Memory Performance in Monolinguals and Bilinguals With Alzheimer's Disease
Jéssica V. Bautista Martínez¹, Sara P. González Flores¹, Andrea Vargas Ramírez², Nicole Feeney³, María I. del Villar Basauri², Maura Villalobos San José¹, Mariam Gómez⁴, Natalie Gevoganian⁵, Esteban Valenzuela Romero¹, Ana Minakata¹, Paulina N. Arévalo Torre⁶, Daniel Walter López Hernández⁵
¹Tecnológico de Monterrey, Monterrey, Nuevo León, Mexico. ²Universidad de Monterrey, Monterrey, Nuevo León, Mexico. ³UCLA, Los Angeles, California, USA. ⁴Maastricht University, Maastricht, Netherlands. ⁵Alliant International University, Alhambra, California, USA. ⁶Tecnológico de Monterrey, Guadalajara, Jalisco, Mexico

P10-20 Plasma Glial Fibrillary Acidic Protein and Neurofilament Light Associations with Hippocampal Diffusion and Structure in Older Adults Across the Alzheimer's Disease Spectrum
John Campitelli¹, Shannon Lee¹, Jesse DeSimone¹, Wei-en Wang¹, Sruti Rayaprolu¹, Michael Marsiske¹, Melissa Armstrong¹, David Loewenstein², Ranjan Duara³, Glenn Smith¹, David Vaillancourt¹, Breton Asken¹
¹University of Florida, Gainesville, FL, USA. ²University of Miami, Coral Gables, FL, USA. ³Mount Sinai Medical Center, Miami Beach, FL, USA

P10-21 More Sleep, Stronger Synapses: A Pathway for Resilience to Tau in Older Women at Risk for Alzheimer's Disease
Jordan Stiver^{1,2}, Xin Wang¹, Kitty K Lui¹, Ella T Lifset¹, Nadine C Heyworth¹, Charlotte S Rivera¹, Celina Pluim McDowell¹, Douglas Galasko¹, Atul Malhotra¹, Erin E Sundermann¹, Sarah J Banks¹
¹University of California, San Diego, San Diego, CA, USA. ²Mayo Clinic, Scottsdale, AZ, USA

P10-22 Multilingual Naming Test: Longitudinal Assessment of Language Abilities in Monolinguals and Bilinguals with Typical and Atypical Cognitive Aging
Kyara Y Velez¹, Mónica Rosselli^{1,2}, Breton Asken^{3,2}, Stephen Coombes^{3,2}, Steven DeKosky^{3,2}
¹Florida Atlantic University, Boca Raton, FL, USA. ²Florida Alzheimer's Disease Research Center, Miami, FL, USA. ³University of Florida, Gainesville, FL, USA

- P10-23 Duration of Sleep-Disordered Breathing and Cognitive Functioning in Young and Older Adults with Obstructive Sleep Apnea
Lauren White, Katelyn Madrid, Chase Irwin, Kate L Jansen, Marisa Menchola
Midwestern University, Glendale, AZ, USA
- P10-24 Predicting Neuropsychological Outcomes in Dementia with Guided Multimodal Fusion
Michael A Lee, Marlena Duda, Vince D Calhoun
Georgia State University, Atlanta, GA, USA
- P10-25 Verbal Executive Function in Hispanic Bilinguals With Alzheimer's Disease
Sara P. González Flores¹, Daniel Walter López Hernández²
¹Tecnológico de Monterrey, Monterrey, Nuevo León, Mexico. ²Alliant International University, Alhambra, California, USA
- P10-26 The Roles of Subjective Cognitive Decline, Loneliness, and Social Support in Alzheimer's Disease-Related Cognitive and Imaging Outcomes
Shelby B Hughes¹, Conner Frank¹, Melissa Lamar², Kelsey R Thomas³, Ariana M. Stickel⁴, Paul E. Gilbert⁴, Sarah J. Banks⁵, Erin E. Sundermann³
¹San Diego State University/University of California-San Diego Joint Doctoral Program in Clinical Psychology, San Diego, CA, USA. ²Rush University Medical Center, Department of Psychiatry and Behavioral Sciences, Chicago, IL, USA. ³University of California – San Diego, Department of Psychiatry, San Diego, CA, USA. ⁴San Diego State University, Department of Psychology, San Diego, CA, USA. ⁵University of California – San Diego, Department of Neurosciences, San Diego, CA, USA
- P10-27 Integrating Biomarkers and Cognition: Physiological Validity and Predictive Accuracy of Neuropsychological Testing with Amyloid PET in Alzheimer's Disease
Tyler Ramsey^{1,2}, Eric Haas¹, Lauren Lantonio¹
¹ChristianaCare Health Systems, Newark, DE, USA. ²Wright State University, Dayton, OH, USA
- P10-28 The Interactive Effects of Cognitive Intraindividual Variability and Mean Performance on Diagnostic Conversion to MCI or Dementia
Uriel A. Urias¹, Caitlin M. Terao^{1,2}, Fareshte Erani^{2,3}, Fini Chang^{2,3}, Kelsey R. Thomas^{2,3}, Katherine J. Bangen^{2,3}
¹San Diego State University, San Diego, California, USA. ²University of California, San Diego, San Diego, California, USA. ³Veterans Affairs Healthcare System, San Diego, California, USA
- P10-29 Cognitive Profiles Across Demyelinating Conditions: the Multiple Sclerosis, Neuromyelitis Optica, and Myelin Oligodendrocyte Glycoprotein Antibody Disease Triad
Tarek Hijazi, Elizabeth AC Kera, Krupa S Pandey
Hackensack University Medical

Center, Hackensack, NJ, USA

- P10-30 A Pilot Study in Narrative Medicine Groups for Improving Emotional Adjustment in Parkinson's Disease and Multiple Sclerosis.
Maya Sorini, Elizabeth AC Kera, Olga M Nikelshpur, Knou Xiong, Krupa S Pandey
Hackensack University Medical Center, Hackensack, NJ, USA
- P10-31 Latent Profile Analysis of Regional White Matter Hyperintensities in Nondemented Middle Aged and Older Adults: Associations with Cortical Thickness and Volumetric Changes
Conner Frank¹, Katherine Bangen^{2,3}, Kelsey Thomas^{2,3}, Eileen Chen³, Allison Chen³, Adan Ton-Loy³, Uriel Urias³, Mark Bondi², Lisa Delano-Wood^{2,3}
¹SDSU/UC San Diego Joint Doctoral Program in Clinical Psychology, San Diego, CA, USA. ²UC San Diego Department of Psychiatry, La Jolla, CA, USA. ³VA San Diego Healthcare System, La Jolla, CA, USA
- P10-32 Sleep Health Moderates the Association Between Neuroinflammation and Cognitive-Functional Impairment
Angel Collie¹, Louisina Morancy¹, Tamare Adrien¹, Layaly Shihadeh², Krithika Sivaramakrishnan¹, Monica Rosselli^{2,3}, Warren Barker^{4,3}, Emily Matusz^{1,3}, Michael Marsiske^{1,3}, Melissa Armstrong^{1,3}, Franchesca Arias^{1,3}, Breton Asken^{1,3}, Steve Dekosky^{1,3}, Stephon Coombes^{1,3}, Karen Velasquez De Lopez^{4,3}, Idaly Velez Uribe^{4,3}, Lenoard Sokol⁵, Rosie Curiel Cid^{6,3}, David Loewenstein^{6,3}, Ranjan Duara^{4,3}, Glenn Smith^{1,3}, Shellie-Anne Levy^{1,3}
¹University of Florida, Gainesville, FL, USA. ²Florida Atlantic University, Boca Raton, FL, USA. ³Florida Alzheimer's Disease Research Center, Gainesville, FL, USA. ⁴Mount Sinai Medical Center, Miami, FL, USA. ⁵Scripps Clinic Torrey Pines, La Jolla, CA, USA. ⁶University of Miami, Miami, FL, USA
- P10-33 Better Sleep EEG-Derived Brain Health Scores are Associated with Slower Rates of Cognitive Decline
Francesca R Marino¹, Wolfgang Ganglberger², Haoqi Sun², Yulin Liu¹, Huitong Ding¹, Robert J Thomas², Rhoda Au¹, Brandon Westover²
¹Boston University, Boston, MA, USA. ²Beth Israel Deaconess Medical Center, Boston, MA, USA
- P10-34 Links Between Sleep Quality, AD Biomarkers, and Cognitive Outcomes in Older Adults: A Longitudinal Study
Layaly Shihadeh¹, Joshua Conniff¹, Warren Barker^{2,3}, Idaly Velez-Urbe^{2,3}, Emily Matusz^{4,3}, Breton Asken^{4,3}, Melissa Armstrong^{4,3}, Michael Marsiske^{4,3}, Shellie-Ann Levy^{4,3}, Angel Collie⁴, Francesca Arias^{4,3}, Steven DeKosky^{4,3}, David Loewenstein^{5,3}, Glenn Smith^{4,3}, Ranjan Duara^{2,3}, Monica Rosselli^{1,2,3}
¹Florida Atlantic University, Davie, FL, USA. ²Mount Sinai Medical Center, Miami Beach, FL, USA. ³Florida

Alzheimer's Disease Research Center, Miami Beach, FL, USA. 4University of Florida, Gainesville, FL, USA. 5University of Miami, Coral Gables, FL, USA

P10-35 Sleep Quality, Cognitive Decline, and Executive Function Performance in Older Adults
Layaly Shihadeh¹, Joshua Conniff¹, Warren Barker^{2,3}, Idaly Velez-Uribe^{2,3}, Emily F. Matusz^{4,3}, Breton Asken^{4,3}, Melissa Armstrong^{4,3}, Michael Marsiske^{4,3}, Shellie-Ann Levy^{4,3}, Angel Collie⁴, Francesca Arias^{4,3}, Steven DeKosky^{4,3}, David A. Loewenstein^{5,3}, Glenn Smith^{4,3}, Ranjan Duara^{2,3}, Monica Rosselli^{1,2,3}
1Florida Atlantic University, Davie, FL, USA. 2Mount Sinai Medical Center, Miami Beach, FL, USA. 3Florida Alzheimer's Disease Research Center, Miami, FL, USA. 4University of Florida, Gainesville, FL, USA. 5University of Miami, Coral Gables, FL, USA

P10-36 Hypertension Diagnostic Status and Domain-Specific Cognitive Performance in Older Indian Adults: Findings from the LASI-DAD Study
Nirupama Natarajan, Hannah Dewhurst, Julia Kofler, Beth Snitz
University of Pittsburgh, Pittsburgh, PA, USA

P10-37 The Impact of Chronic Stress on the Link Between Metabolic Syndrome and White Matter Hyperintensities
Zoraida C Garcia, Hyun Moon, Lourdes Románach Álvarez, Elizabeth Muñoz
The University of Texas, Austin, TX, USA

P10-38 Comparing the Psychiatric Outcomes of Subthalamic versus Globus Pallidus DBS in Parkinson's Disease
Elizabeth R Seenarine
Mercer University, Atlanta, Georgia, USA

P10-39 Verbal Learning and Processing Speed in Parkinson's Disease: A Comparison of Immediate List and Story Recall
Lena Etzel¹, Taylor McMillan^{1,2}, Rachel Schade¹, Katie Rodriguez¹, Justin Hilliard¹, Kelly Foote¹, Michael Okun¹, Gregory Pontone¹, Dawn Bowers¹
1University of Florida, Gainesville, FL, USA. 2University of Wisconsin-Madison, Madison, USA

P10-40 Evaluating Cognitive Impairment in Spinocerebellar Ataxia Type 12 (SCA12) Patients in Eastern India
Nishka Mishra¹, Krithika Ramachandran², Bhaktee Dongaonkar³, Supriyo Choudhury⁴, Sumantra Chattarji², Hrishikesh Kumar⁴
1Centre for High Impact Neuroscience and Translational Applications, Kolkata, West Bengal, India. 2Centre for High Impact Neuroscience and Translational Applications (CHINTA), Kolkata, West Bengal, India. 3IIIT – Hyderabad, Hyderabad, Telangana, India. 4Institute of Neurosciences Kolkata (IN-K), Kolkata, West Bengal, India

P10-41 Determining the Role of Handwriting Characteristics in Identifying, Monitoring, and Evaluating Treatment Response in Neurological Disorders: a Systematic Review
Umika S Paul^{1,2}, Brooke Honzel^{1,2}, Olivia Mihalek^{1,2}, Hanya Qureshi^{1,2,3}, Brittany Owusu-Adjei^{1,2,3}, Constance J Mietus^{1,2,3}, Mark D Johnson^{1,2,3}
1University of Massachusetts Chan Medical School, Worcester, MA, USA. 2Department of Neurological Surgery, University of Massachusetts Chan Medical School, Worcester, MA, USA. 3UMass Memorial Health, Worcester, MA, USA

P10-42 Scam Susceptibility Predicts Memory and Naming Performance Two Years Later in Older Adults Without Dementia
Belinda Y Zhang, Cassidy Molinare, Jenna Axelrod, Daisy Noriega-Makarsky, Emma Oyen, Melanie Leguizamon, Jordan T Williams, Paige Kim, S. Duke Han
University of Southern California, Los Angeles, CA, USA

P10-43 Cardiorespiratory Fitness Positively Associated with Pattern Separation Performance Among Older Adults
Justin M. Palmer^{1,2}, Olivia Horn^{1,2}, William J. Kraemer³, Jasmeet P. Hayes^{1,2}, Scott M. Hayes^{1,2}
1Department of Psychology, The Ohio State University, Columbus, Ohio, USA. 2Chronic Brain Injury Program, The Ohio State University, Columbus, Ohio, USA. 3Department of Human Sciences, The Ohio State University, Columbus, Ohio, USA

P10-44 Plasma p-tau 217 Associations with Verbal Learning and Memory Performance in A Community-Based Asian American Cohort
Yirou Jiang¹, Marcelle Dougan², Daren Huang¹, Gabriel Fara-on¹, Marian Tzuang¹, Bora Nam¹, Annie Ching¹, Linh Nguyen¹, Seoyeon Yum¹, Sarah Tomaszewski Farias³, Haeok Lee⁴, Quyen Tiet⁵, Boon Lead Tee¹, Gilbert Gee⁶, Thu Nguyen⁷, Junaid Merchant⁷, Bharat Thyagarajan⁸, Michele Tobias³, Joshua Grill⁹, Oanh Meyer³, Alka Kanaya¹, Van Ta Park¹
1University of California, San Francisco, San Francisco, CA, USA. 2San Jose State University, San Jose, CA, USA. 3University of California, Davis, Davis, CA, USA. 4New York University, New York, NY, USA. 5Alliant International University, Emeryville, CA, USA. 6University of California, Los Angeles, Los Angeles, CA, USA. 7University of Maryland, College Park, Maryland, USA. 8University of Minnesota, Minneapolis, MN, USA. 9University of California, Irvine, Irvine, CA, USA

P10-45 Neighborhood opportunity disparities predict brain function in young children
Alice Onyango-Opiyo¹, Yuhang Chen^{1,2}, Mia Pearce¹, James C Edgar^{1,2}, Lisa Blaskey¹, Heather L Green¹
1The Children's Hospital of Philadelphia, Philadelphia, PA, USA. 2University of Pennsylvania, Philadelphia, PA, USA

P10-46 The Association of Community-Level Measures of Deprivation With Cognitive Ability for Individuals with Pharmacoresistant Epilepsy
Humza Khan, Lisa Ferguson, Robyn Busch, Anny Reyes
Cleveland Clinic, Cleveland, OH, USA

P10-47 Mood Disturbance Mediates the Relationship Between Perceived Discrimination in Healthcare Settings and Memory Performance in a Cohort of Older Black Women
Joy Stradford¹, Michelle Jackson², Linisa Williams², Julia Talavera³, Savannah Behboudi³, Nadine C. Heyworth², Marc Norman², April D. Thames³, Sarah J. Banks², Erin E. Sundermann²
¹SDSU/UCSD Joint Doctoral Program in Clinical Psychology, San Diego, CA, USA. ²University of California, San Diego, San Diego, CA, USA. ³University of California, Los Angeles, Los Angeles, CA, USA

P10-48 Evaluating Recruitment Efficacy in the Black Women: Inflammation and Tau Study (BWITS): A Community-Based Approach to Enhancing Alzheimer's Disease and Related Dementias Research Equity
Linisa V Williams¹, Joy Stradford¹, Michelle Jackson¹, Julia Talavera², Savannah Behboudi², Nadine C Heyworth¹, Marc Norman¹, April D Thames², Sarah Banks¹, Erin Sundermann¹
¹UC San Diego, San Diego, CA, USA. ²UC Los Angeles, Los Angeles, CA, USA

P10-49 The Role of Education in Racial/Ethnic Differences in Neurocognitive Profiles of Older Adults with 6-Year Incident Dementia: Evidence from the Health and Retirement Study
Moyosoreoluwa Jacobs, Wassim Tarraf
Wayne State University, Detroit, MI, USA

P10-50 Hot and Cold Executive Functioning in Daily Life Among Autistic Youth: Considering The Impact of Comorbidities
Arabella W Peters, Jacob Gutierrez, Erin Kang
Montclair State University, Montclair, NJ, USA

P10-51 Distractor Resistance Abilities in Working Memory as a Function of task Difficulty
Elizabeth Rodríguez-Santillán¹, Selene Cansino²
¹Universidad Autónoma de Querétaro, Querétaro, Querétaro, Mexico. ²Neurocognition Laboratory Universidad Nacional Autónoma de México, México, México, Mexico

P10-52 Slow Oscillatory tDCS Effects on Creative Cognition and Prefrontal Cortex's Haemodynamic Response Function
Sarai Martínez¹, Makii Muthalib^{2,3}, Agurne Sampedro¹, Naroa Ibarretxe¹, Natalia Ojeda¹, Javier Peña¹
¹University of Deusto, Bilbao, Spain. ²EuroMov-Digital Health in Motion, Montpellier, France. ³Silverline Research, Oxford, United Kingdom

P10-53 Baseline Cognition and Treatment Response

in Repetitive Transcranial Magnetic Stimulation for Depression: The Role of Executive Functioning
Véronique Desbeaumes Jodoin¹, Emma Bousseau¹, Jean-Philippe Miron²
¹CRCHUM, Montreal, Quebec, Canada. ²UCSD, San Diego, CA, USA

P10-55 Automating Neuropsychological Assessment: Computational methods can significantly predict humans' scoring of story recall details
Sevda Hasanli¹, Mete Ismayilzada², Vanessa Taler¹, Patrick Davidson¹
¹University of Ottawa, Ottawa, ON, Canada. ²EPFL - Swiss Federal Technology Institute of Lausanne, Lausanne, Switzerland

P10-56 Trait Emotion and Prepulse Inhibition
Jennifer U. Le, Cassandra Hoffman, Stephen D. Benning
University of Nevada, Las Vegas, Las Vegas, NV, USA

P10-57 Attention Control and Behavioral Avoidance of a Social Performance Situation: Multi-Method Associations
Madeline Rech, Page L Anderson
Georgia State University, Atlanta, GA, USA

P10-58 Chronic Combined Methylphenidate and Vilazodone Treatment Effects on Cocaine Self-Administration
Rania Ahmed¹, Aidan Powell², Gabriela Miletsky², Patrick Mohr², Mia Bayoumi², George Lagamjis², Julianna Roeser², Ana Quispe Yeren², David Wadie², Michael Hadjiargyrou³, David Komatsu⁴, Heinz Steiner⁵, Panayotis Thanos²
¹The Graduate School and University Center, New York, NY, USA. ²University at Buffalo, Buffalo, NY, USA. ³New York Institute of Technology, Old Westbury, NY, USA. ⁴Stony Brook University, Stony Brook, NY, USA. ⁵Rosalind Franklin University of Medicine and Science, North Chicago, NY, USA

P10-59 The Theory of Mind Gradient for Measuring Social Reasoning Across Levels of Complexity
Sandra Meza-Cavazos, Andrea Vargas Ramírez, Paulina Aguirre, Paulina Rodriguez, Julio Dávila, Rebeca Garza, Sofía Tijerina
Universidad de Monterrey, Monterrey, Nuevo León, Mexico

P10-60 Emotion Proportion Judgment: A Developmental Neuropsychological Study
Sevgin Mihriban Koca
Bournemouth University, Bournemouth, United Kingdom

P10-61 Network-Level Neuromodulation of Thalamocortical Connectivity by tACS during Color Perception
Seulgi Lee¹, Bumhee Park², Jeehye Seo³, Byoung-Kyong Min³
¹Sungkyunkwan University, Suwon, Korea, Republic of. ²Ajou University School of Medicine, Suwon, Korea, Republic of. ³Seoul National University, Seoul, Korea, Republic of

P10-62 Expanding Service Delivery and Access to a Self-Management Cognitive Training Program for Persons with Epilepsy
Jill Z Stuart¹, Sarah J Kaden², Trina K Dawson², Laura C DeMuro², Meredith E Olenec², Kathryn E Giordano², Maggie Ellison², Jessica DeNaples², Elaine T Kiriakopoulos²
¹Duke University School of Medicine, Durham, NC, USA.
²Dartmouth-Hitchcock Medical Center, Lebanon, NH, USA

P10-63 A Co-produced Adaptation and Pilot Feasibility Study of a Self-Management Program for Adults with Parkinson's Disease and Subjective Cognitive Challenges
Anna C Graefe^{1,2}, Dhanya Mahesh¹, Sarah Kaden¹, Kathryn Giordano¹, Tiffany Israel³, Robert M Roth^{1,2}, Barbara C Jobst^{1,2}, Elaine Kiriakopoulos^{1,2}
¹Dartmouth-Hitchcock Medical Center, Lebanon, NH, USA. ²Geisel School of Medicine at Dartmouth, Hanover, NH, USA. ³Vanderbilt University Medical Center, Nashville, TN, USA

P10-64 Health System Integration of Epilepsy Self-Management and Cognitive Rehabilitation Support
Cady K. Block¹, Eva C. Alden², David S. Sabsevitz³, Dona E. Locke⁴, Sarah J. Kaden⁵, Trina K. Dawson⁵, Laura C. DeMuro⁵, Meredith E. Olenec⁵, Elaine T. Kiriakopoulos⁵
¹Mayo Clinic, Jacksonville, Florida, USA. ²Mayo Clinic, Rochester, MN, USA. ³Mayo Clinic, Jacksonville, FL, USA. ⁴Mayo Clinic, Phoenix, AZ, USA. ⁵Dartmouth Health, Lebanon, NH, USA

P10-65 Preliminary Findings on Cognitive Improvement with Intranasal and Transcranial Photobiomodulation in Individuals with Moderate to Severe Traumatic Brain Injury and Stroke
Courtney McCabe^{1,2}, Charles Rey¹, Maya Wilde^{1,2}, Kathryn Cromar^{1,2}, Hannah Lindsey^{1,2}, Hilary Russell^{1,2}, Dayna Thayn^{1,2}, Elizabeth Hovenden^{1,2}, Paula Johnson^{1,2}, Finian Keleher¹, Sean Kirtley^{1,2}, Brian Chin², Carrie Esopenko^{1,2}, Emily Dennis^{1,2}, Mary Newsome^{1,2}, Elisabeth Wilde^{1,2}, Christine Mullen^{1,3}
¹University of Utah, School of Medicine, Department of Neurology, TBICC, Salt Lake City, UT, USA.
²Veterans Affairs Salt Lake City Health Care System, Salt Lake City, UT, USA. ³University of Utah, School of Medicine, Department of Physical Medicine & Rehabilitation, Salt Lake City, Utah, USA

P10-66 Preliminary Mental Health and Wellbeing Outcomes of Photobiomodulation Therapy in Moderate-to-Severe TBI and Stroke
Charles Rey¹, Courtney McCabe^{1,2}, Maya Wilde^{1,2}, Kathryn Cromar^{1,2}, Hannah Lindsey^{1,2}, Hilary Russell^{1,2}, Dayna Thayn^{1,2}, Elizabeth Hovenden^{1,2}, Finian Keleher¹, Paula Johnson^{1,2}, Sean Kirtley^{1,2}, Brian Chin^{1,2}, Carrie Esopenko¹, Emily Dennis^{1,2}, Mary Newsome^{1,2}, Christine Mullen^{3,2}, Elisabeth Wilde^{1,2}

¹University of Utah, School of Medicine, Department of Neurology, TBICC, Salt Lake City, UT, USA. ²Veterans Affairs Salt Lake City Health Care System, Salt Lake City, UT, USA. ³University of Utah, Department of Physical Medicine & Rehabilitation, Salt Lake City, UT, USA

P10-67 Emphasis Change Training Benefits Multitasking Abilities in Older Adults: Training Gains and Transfer Effects of a Pilot Digital Randomized Controlled Trial
Kayri Bartolotta¹, Maya Gal², Michelle Hernandez², Daniel Ben-Eliezer³, Andrei Teodorescu³, Michal Schnaider Beer⁴, Seonjoo Lee⁵, Sabrina Simoes², Benjamin Hampstead⁶, Sylvie Belleville⁷, Daniel Gopher³, Yaakov Stern², Sharon Sanz Simon⁴
¹Fordham, New York, NY, USA. ²Columbia University, New York, NY, USA. ³Technion Institute of Technology, Haifa, Israel. ⁴Rutgers University, New Jersey, NJ, USA. ⁵Columbia University, New York, NY, USA. ⁶Michigan University, Ann Arbor, MI, USA. ⁷University of Montreal, Montreal, Canada

P10-68 Cognitive Rehab Trials for TBI: Executive Function Outcomes
Mohammadreza Tavakoli, Antonio S Maria, Rhea M Patel
Carlos Albizu University, Miami, FL, USA

P10-69 HOBSCOTCH-PACS: Coproduction and Pilot Test of a Telehealth Cognitive Self-Management Program for Post-Acute COVID Syndrome
Sarah J Kaden¹, Tiffany J. Israel², Kathryn E Giordano¹, Robert M Roth¹, Heather A Wishart¹, Elaine T Kiriakopoulos¹
¹Dartmouth Health, Lebanon, NH, USA. ²Vanderbilt University Medical Center, Nashville, TN, USA

P10-70 Effects of technological training in elderly people: Tools for reducing the digital divide
Elsa A. Revollo Sarmiento, Leticia Y. Vivas, Deisy Krzemien
IPSIBAT, Mar del Plata, Buenos Aires, Argentina

P10-71 Examining Neurocognitive Variability In NF1: A Sibling Study Of Shared Genetics And Diverse Outcomes
Samantha D Pescatore, Gessica Ni, Jessie M Beshara, Briana Calcagno-Davi
Northwell Staten Island University Hospital, Staten Island, NY, USA

P10-72 People with HIV Exhibit Reductions in Hippocampal Subfields and Cognitive Function
Lan D Volberding¹, Megan C Hall¹, Jason A John¹, Hua Bai¹, Kellen M McDonald¹, Lauren T Morrow¹, Drake M Reinke¹, Lauren K Webert¹, Ryan Glesinger¹, Maggie P Rempe^{1,2}, Hannah J Okelberry¹, Hallie J Johnson¹, Lucy K Horne¹, Madelyn P Willett¹, Grant M Garrison¹, Danielle L Rice¹, Anna T Coutant¹, Kennedy A Kress¹, Seth Bashford¹, Rachel K Spooner^{1,3}, Giorgia Picci^{1,3}, Tony W Wilson^{1,2,3}
¹Institute for Human Neuroscience, Boys Town National Research Hospital, Boys Town, NE, USA. ²College of Medicine, University of Nebraska Medical Center (UNMC),

Omaha, NE, USA. 3Department of Pharmacology and Neuroscience, Creighton University, Omaha, NE, USA

P10-73 Consistently Reported Sleep Quality and Neurocognition in People Living with Human Immunodeficiency Virus
Nicolette Kumkowski^{1,2}, Desiree Byrd^{1,2}, Hanna Lissinna², Susan Morgello²
¹Queens College, Flushing, NY, USA. ²Ichan School of Mount Sinai, New York, NY, USA

P10-74 Patterns of ChAMP Performance in Children with Congenital Heart Disease: A Matched-Control Study
Stephen M. Nicholas^{1,2}, Brian L. Brooks², Lisa McColm¹, William S. MacAllister^{1,2}, Marsha Vasserman^{1,2}
¹Alberta Children's Hospital, Calgary, Alberta, Canada. ²University of Calgary, Calgary, Alberta, Canada

P10-75 The WPPSI-IV in Young Children with Epilepsy: A Matched-Control Study
Stephen M. Nicholas^{1,2}, Brian L. Brooks², Marsha Vasserman^{1,2}, William S. MacAllister^{1,2}
¹Alberta Children's Hospital, Calgary, Alberta, Canada. ²University of Calgary, Calgary, Alberta, Canada

P10-76 Letter Verbal Fluency Advantage in English Monolinguals With Attention-Deficit/Hyperactivity Disorder
Andrea Vargas Ramírez¹, Daniel Walter López Hernández²
¹Universidad de Monterrey, Monterrey, Nuevo León, Mexico. ²Alliant International University, Alhambra, California, USA

P10-77 Masked by Giftedness: The ADHD Diagnosis in Gifted Children
Mona Karimzadeh, Danielle Alexis Barrett, Julie Lynn Williams
Wright State University, Dayton, OH, USA

P10-78 Cardiovascular Health and Cognitive/Behavioral Deterioration in Down Syndrome
Haila Jiddou¹, Jessica McNulty¹, Ketavan Piroshmanashvili¹, Hannah Grosman¹, Angelita Seak¹, Gregory L. Wallace², Nancy Raitano Lee¹
¹Drexel University, Philadelphia, PA, USA. ²The George Washington University, Washington, DC, USA

P10-79 Evidence Supporting the Use of the Resting-State Power Spectrum Slope as a Non-Invasive Measure of Neural-Circuit Excitation: Inhibition Balance in Children With and Without Autism
Mia Pearce¹, Drayton L. Murray¹, Brianna Felgoise¹, Alice Onyango-Opio^{1,2}, Yuhang Chen^{1,2}, Muhammad Saleh^{1,2}, James C. Edgar^{1,2}
¹The Children's Hospital of Philadelphia, Philadelphia, Pennsylvania, USA. ²The University of Pennsylvania, Philadelphia, Pennsylvania, USA

P10-80 Sex differences in learning and memory among

youth and associations with other cognitive processes
Julius H Flowers¹, Talamaha'a A Tupou¹, Gabrielle Pasturel¹, Laura-Ashley Recio², Rayna B Hirst¹
¹Palo alto university, Palo Alto, CA, USA. ²Azusa Pacific University, Santa Monica, CA, USA

P10-81 Turning Recommendations into Action: Supporting Families After Pediatric Evaluation
Ashley Ortiz, PhD¹, Tara Bord, PsyD^{1,2}, Ying Wu, PhD, NCSP^{1,2}, Olivia Boyle, MSW¹, Alison Pritchard, PhD^{1,2}, Allison Gornik, PhD^{1,2}
¹Kennedy Krieger Institute, Baltimore, MD, USA. ²Johns Hopkins University School of Medicine, Baltimore, MD, USA

P10-82 Cross-Lagged Associations Between Mild Traumatic Brain Injury and Substance Use Behaviors in Adolescents
Chase A Shankula, Gabriella Y Navarro-Love, Sabrina A Arassi, Krista M Lisdahl
University of Wisconsin-Milwaukee, Milwaukee, WI, USA

P10-83 Maternal Suicide Attempts and Postnatal Familial Dysfunction: Synergistic Risk for Early Childhood Psychopathology
Alexandros Axiotis^{1,2}, Donato DeIngeniis^{1,2}, Yoko Nomura^{1,2,3}
¹Department of Psychology, CUNY Graduate Center, New York, NY, USA. ²Department of Psychology, CUNY Queens College, Flushing, NY, USA. ³Department of Psychiatry, Icahn School of Medicine at Mount Sinai, New York, NY, USA

P10-84 Altered but Adaptive: Network Integration in Pediatric Acute Lymphoblastic Leukemia Survivors
A Diffusion MRI Graph-Theory Analysis
Amanda M. Cook¹, Lauren L. Lindsey¹, Tiffany D. Tucker^{2,1}, Victoria Seghatol-Eslami², Donna L. Murdaugh¹
¹University of Alabama at Birmingham, Birmingham, AL, USA. ²Texas Children's Hospital, Houston, TX, USA

P10-85 Parent and Patient-Reported Discrepancies across Internalizing and Externalizing Domains in Pediatric Brain Tumor Survivors with Neurocognitive Decline
Krystal K. Christopher¹, Marianne MacLeod², Maheen Rizvi², Dulce Rodriguez², Natasha Feuerbach², Heather Stancel^{3,2}, Kimberly Raghubar^{3,2}, Bryony Lucas^{3,2}, Joshua Gorlick^{3,2}, Margot Kades², Caroline Dina², Angel Reed², Ana Sofia Cerda Ibarrola², Sofia Herrera², Kelley Parsons², Fatih Okcu³, Murali Chintagumpala³, Lisa Kahalley³
¹MD Anderson Cancer Center, Houston, Texas, USA. ²Texas Children's Hospital, Houston, Texas, USA. ³Baylor College of Medicine, Houston, Texas, USA

P10-86 Neurocognitive Sequelae in Low Grade Gliomas: Chemotherapy Versus Targeted Treatment
Rebekah K Mekonnen^{1,2}, Grace Fong³, Lisa Ingerski^{1,2}
¹Emory University, Atlanta, Georgia, USA. ²Children's Healthcare of Atlanta, Atlanta, Georgia, USA.

3Stanford University, Stanford, California, USA

P10-87 Adaptive Functioning in Preschool Children with Congenital Heart Disease Referred for Cardiac Neurodevelopmental Evaluation
Adriana Cabrales¹, Fabiana Bracho¹, Marissa Olson¹, Ana-Mercedes Flores¹, Pina Patel^{1,2}, Zsofia Imre¹, Alexander Tan^{1,2}
1Children's Hospital Orange County, Orange, CA, USA.
2University of California Irvine, Irvine, CA, USA

P10-88 Characterizing Burden in Study Partners of Individuals with Repetitive Head Impact Exposure
Anna J Aaronson
Boston University School of Medicine, Boston, MA, USA

P10-89 The Who, What, and How of Real-World Technology Use by Caregivers of Older Adults With Dementia
Dariella A Fernandez^{1,2}, Sidonia E Compton^{1,2}, Rachel Mis^{1,2}, Jared F Bengel^{1,2}, Andrew M Kiselica³, Alyssa Aguirre^{1,2}
1Department of Neurology, University of Texas at Austin, Austin, TX, USA. 2Comprehensive Memory Center, Mulva Clinic for Neurosciences, UT Health Austin, Austin, TX, USA. 3Institute of Gerontology, University of Georgia, Athens, GA, USA

P10-90 Interactive Effects of Physical Activity and Stress on Cognition: Examination Across Multiple Datasets
Kelsey L Baller, Tinh Huynh, Denise Head
Washington University in St. Louis, St. Louis, MO, USA

P10-91 Expanding the Scope: Examining the Relationship between Parental use of Different Types of Mind-Minded Language and Theory of Mind Performance in Children with and without Down Syndrome
Ketevan Piroshmanashvili, Daisy Russo, Angelita Seak, Nancy R. Lee
Drexel University, Philadelphia, PA, USA

P10-92 Missing Voices in Epilepsy Social Drivers of Health Research: Need for Inclusive Data Collection Across Populations
Meredith E Olenec¹, Anny Reyes², Jonathan P Williams³, Elizabeth Felton⁴, Bruce Hermann⁴, Farah Lubin⁵, Temitayo Oyegbile-Chidi⁶, Elaine T Kiriakopoulos^{1,7}
1Dartmouth Health, Lebanon, NH, USA. 2Cleveland Clinic, Cleveland, OH, USA. 3WashU Medicine, St Louis, MO, USA. 4University of Wisconsin, Madison, WI, USA. 5University of Alabama at Birmingham, Birmingham, AL, USA. 6UC Davis Health, Davis, CA, USA. 7Dartmouth College, Hanover, NH, USA

P10-93 Organizational Psychological Safety and Predictive Modeling of Voluntary Incident Reporting Behavior Among Nurses: A Cross-sectional Study
Yili Yu

People's Hospital of Xiushan Tujia and Miao Autonomous County, Chongqing, Chongqing, China

P10-94 The Impact of the Availability of Protected Time for APPCN Post-Doctoral Training
Directors in Clinical Neuropsychology
Samantha R. Werner, Cristina C. Robles, Sakina Butt, Jennifer Katzenstein
Johns Hopkins All Children's Hospital, St. Petersburg, FL, USA

P10-97 Estimating Environmental Exposures with Indoor-Outdoor Behavioral Contextualization Using Ecological Momentary Assessment and Wearable Devices
Melissa Blum^{1,2}, Sameera Ramjan^{1,3}, Rung-Yu Tseng³, A. Duke Shereen³, Yoko Nomura^{1,2}
1Queens College, City University of New York, Flushing, NY, USA. 2Icahn School of Medicine at Mount Sinai, New York, NY, USA. 3The Graduate Center, City University of New York, New York, NY, USA

P10-98 Beyond One-To-One Mappings: Modeling Distributed Lesion-Symptom Relationships With Multilayer Networks
Roxane Nave
Montpellier University, Montpellier, France

P10-99 Covert Neuromodulation of Default and Dorsal Attention Networks to Modify Sustained Attention Ability
Janet Z Li, Tiara Bounyarith, Lotus Shareef-Trudeau, Dave Braun, Maria Schultheis, Aaron Kucyi
Drexel University, Philadelphia, PA, USA

P10-101 Changes in Functional Connectivity in the Reading Network Following Intermittent Theta Burst Stimulation
Ewelina Bledniak^{1,2}, Rachael M. Harrington^{1,2}, Ashley L. Ware³, Rose A. Sevcik¹, Robin Morris¹, Nikki Arrington^{4,1,2,5}
1Georgia State University, Atlanta, GA, USA. 2Georgia State/Georgia Tech Center for Advanced Brain Imaging, Atlanta, GA, USA. 3University of Utah, Salt Lake City, UT, USA. 4Florida State University, Tallahassee, FL, USA. 5Georgia State University/Georgia Institute of Technology/Emory University Center for Translational Research in Neuroimaging and Data Science, Atlanta, GA, USA

P10-102 Cognitive and Psychological Outcomes Following DBS in Tourette Syndrome: Insights from a Longitudinal Case Series
Natalia R Menendez, Lecsy Gonzalez, Dawn Bowers, Christopher Butson, Gregory Pontone, Jackson Cagle, Aysegul Gunduz, Kelly D Foote, Michael S Okun, Franchesca Arias
University of Florida, Gainesville, FL, USA

P10-103 Inside the Adolescent Brain: Self-Reported Emotional Attention and Frontal Alpha Asymmetry in Juvenile Detention
Vaibhavi Venkataramanan, Blair Batky

University of Nevada, Reno, Nevada, USA

P10-104 Large Language Models in Intervention

Planning: Advancing Ecological Utility and Targeted Care in Cognitive Rehabilitation

Natalie Edman^{1,2}, Megan Lacritz^{1,2}, Keren Isufi^{1,2}, Andrew Loaki², Heidi Bender², Amanda Sacks-Zimmerman²
¹Ferkauf Graduate School of Psychology, Bronx, NY, USA. ²Weill Cornell Medicine, New York, NY, USA

Symposium 17: (Murdaugh) Improving Access to Quality Neuropsychological Assessment and Intervention in Sickle Cell Disease Across the Lifespan

11:45 - 13:15 Saturday, 7th February, 2026

Location: Grand Ballroom / Salon E

Presentation type Symposium

Introduction:

15 Improving Access to Quality Neuropsychological Assessment and Intervention in Sickle Cell Disease Across the Lifespan

Chair

Donna Murdaugh

University of Alabama at Birmingham, Birmingham, AL, USA

Discussant (Optional)

Summary Abstract

Sickle cell disease (SCD) is the most prevalent genetic red blood cell disorder among African Americans, affecting 1 in 365 individuals in the US. Cognitive impairment is a common and debilitating aspect of SCD across the lifespan. SCD is associated with elevated risk for neurocognitive impairment due to both biological factors (e.g., silent cerebral infarcts, stroke, chronic hypoxia) and social determinants of health, including limited access to specialized care, systemic inequities, and educational disadvantages. These disparities often result in delayed identification of cognitive deficits and missed opportunities for early intervention. Despite growing awareness, standardized clinical models that incorporate routine neurocognitive screening and surveillance remain scarce. Developing novel and innovative techniques is therefore necessary to improve neuropsychological care for patients with SCD. This symposium highlights efforts to address these gaps through evidence-based frameworks for clinical models of care, development and validation of novel screening tools, and innovative, tailored interventions that promote equitable access. Dr. Martin will start by discussing standards and recommendations for neurocognitive surveillance, screening, and evaluation across the lifespan, supported by the National Alliance of Sickle Cell Centers (NASCC). A multidisciplinary expert panel met to address variability in neurocognitive care in SCD clinics nationwide. The framework emphasizes early and serial assessments, integration into specialty care, and holistic evaluation practices. Dr. Freilich will follow with validation data from a brief

neuropsychological screener designed to detect cognitive impairment. Across three sites, the screener demonstrated high sensitivity for mild neurocognitive dysfunction and good specificity for more severe impairment in pediatric SCD patients. These findings support its potential as a time-efficient screener to be integrated into clinics, with potential for early detection and triage of neuropsychological services. Dr. Schatz will then present data on neurocognitive screening algorithms for school-age children with SCD. Using a seven-test battery, two thresholds for identifying cognitive deficits and predicting academic outcomes were assessed. Both algorithms demonstrated predictive validity, with longitudinal data linking positive screenings to later academic challenges. The presentation will highlight lessons learned from two decades of screening implementation and underscores the importance of early identification. Dr. Heitzer will then discuss the adaptation of the Kids in Transition to School (KITS) intervention for preschoolers with SCD. By collaborating with caregivers and community stakeholders, the program was tailored to address pain episodes, sleep disruptions, and school accommodations. The adapted intervention includes culturally representative materials and animated videos for in-home practice, offering a promising model for early intervention. Dr. Murdaugh will conclude with findings from a cognitive remediation program, delivered via telehealth, that targets executive deficits to improve transition-readiness in adolescents with SCD. Participants demonstrated significant gains in executive function and functional independence skills. These improvements were sustained over time, highlighting the potential of telehealth interventions to enhance transition to adult medical care and reduce barriers to care. Collectively, these presentations underscore the importance of early, culturally responsive, and accessible neuropsychological care in SCD. The symposium advances a unified vision for integrating screening, intervention, and long-term support into clinical practice to mitigate disparities and support lifelong neurocognitive health.

Keyword 1

brain health equity

Keyword 2

health disparities

Keyword 3

medical disorders/illness

339 Clinical Models of Care in Sickle Cell Disease: Development of Standards and Recommendations

for Neurocognitive Assessment from the NASCC Neurocognitive Workgroup

Arianna Martin¹, Donna Murdaugh², Andrew Heitzer³, Jennifer Longoria³, Wendy Santos-Modesitt⁴, Judy Cavazos⁴, Jeffery Schatz⁵, Catherine Hoyt⁶, Allison King⁶, Eboni Lance⁷, Steven Hardy⁸, Marsha Treadwell⁹, Alyssa Schlenz¹⁰

¹Children's Hospital Colorado, Aurora, CO, USA. ²University of Alabama at Birmingham, Birmingham, AL, USA. ³St Jude Children's Research Hospital, Memphis, TN, USA.

4UCSF Benioff Children's Hospital Oakland, Oakland, CA, USA. 5University of South Carolina, Columbia, SC, USA. 6Washington University School of Medicine, St Louis, MO, USA. 7Kennedy Krieger Institute, Baltimore, MD, USA. 8Children's National Medical Center, Washington, DC, USA. 9UCSF School of Medicine, San Francisco, CA, USA. 10Children's Hospital Colorado, Aurora, CO, USA

347 Screening for Neurocognitive Dysfunction in Pediatric Sickle Cell Disease: Preliminary Validation of the Attention, Memory, and Frontal-Executive Abilities Screening Test (AMFAST)
Bryan Freilich¹, Andrew Heitzer², Donna Murdaugh³
¹Montefiore Medical Center, Bronx, NY, USA. ²St Jude Children's Research Hospital, Memphis, TN, USA. ³University of Alabama at Birmingham, Birmingham, AL, USA

361 Neurocognitive Screening Algorithms for School-Age Children with Sickle Cell Disease
Schatz Jeffrey, Elizabeth Gillooly, Lauren Waters
University of South Carolina, Columbia, SC, USA

384 Adapting an Intervention to Improve School Readiness in Children with Sickle Cell Disease
Andrew Heitzer¹, Mollie Tamboli¹, Marshetta Brazley-Rodgers¹, Anne Kolb-Quinn¹, Eunyoung Kang², Allison King³, Maria Fernandez², Jane Hankins¹, Katherine Pears⁴
¹St Jude Children's Research Hospital, Memphis, TN, USA. ²University of Texas Health Science Center at Houston, Houston, TX, USA. ³Washington University, St Louis, MO, USA. ⁴Oregon Social Learning Center, Eugene, OR, USA

388 Application of Cognitive Remediation to Improve Transition-of-Care and Functional Independence Outcomes in Youth Living with Sickle Cell Disease
Donna Murdaugh
University of Alabama at Birmingham, Birmingham, AL, USA

Symposium 18: (Medina) From Community to Cortex: Innovative Pathways for Equitable Neuropsychology in Diverse Populations
11:45 - 13:15 Saturday, 7th February, 2026
Location: Salon I (Level 5)
Presentation type Symposium
Introduction:

31 From Community to Cortex: Innovative Pathways for Equitable Neuropsychology in Diverse Populations
Chair
Luis D Medina
University of Houston, Houston, Texas, USA
Michelle N. Martinez
University of Houston, Houston, TX, USA
Discussant (Optional)
Kendra M. Anderson
UTHealth Houston, Houston, TX, USA

Summary Abstract

Persistent inequities in brain health research demand innovative approaches that center community voices and cultural relevance. This symposium presents a coordinated series of projects from the NIA-funded Engaging Communities of Hispanics/Latinos for Aging Research (ECHAR) Network, illustrating how neuropsychological science can be embedded within trusted community spaces and sustained through culturally responsive infrastructure. The presentations highlight methodological, conceptual, and infrastructural innovations. The first presentation introduces the ECHAR Network's use of Boot Camp Translation to co-create Alzheimer's disease and related dementias (AD/ABRD) messaging with Hispanic/Latino (H/L) communities, culminating in a bilingual telenovela series. The second presentation shares findings from focus groups that evaluated the series and informed the development of a multimedia educational toolkit. The third presentation describes how the toolkit is being used to foster dialogue and motivate engagement across diverse communities through screening events and expert-led discussions. The fourth presentation details the development and validation of a cognitive risk registry calculator, combining culturally grounded tools to estimate risk in ethnoracially diverse populations. The final presentation outlines how this registry is being deployed in-person and online to provide personalized feedback and connect individuals to resources and research opportunities. Together, these presentations demonstrate how community engagement, cultural neuropsychology, and scientific rigor can be integrated to transform both research participation and brain health equity.

Keyword 1

inclusion

Keyword 2

dementia - Alzheimer's disease

Keyword 3

ethnicity

718 Community-Driven Messaging to Address Brain Health Literacy in Hispanic/Latino Communities: Insights from the Engaging Communities of Hispanics/Latinos for Aging Research (ECHAR) Network
Kasey J Escamilla, Michelle N Martinez, Joshua M Garcia, Alexa S Gonzalez, Christopher Krause, Edwin Duran, Luis D Medina
University of Houston, Houston, Texas, USA

847 Community-Informed Refinement of a Telenovela-Based Educational Series to Develop a Multimedia Toolkit for Alzheimer's Disease in Hispanic/Latino Communities
Christopher Krause, Alexa S Gonzalez, Michelle N Martinez, Joshua M Garcia, Kasey J Escamilla, Edwin Duran, Luis D Medina
University of Houston, Houston, Texas, USA

850 Leveraging a Community-Informed Telenovela Toolkit to Promote Brain Health Dialogue and

Cognitive Risk Awareness in Diverse Communities
Edwin Duran, Kasey J Escamilla, Christopher Krause, Michelle N Martinez, Alexa S Gonzalez, Joshua M Garcia, Luis D Medina
University of Houston, Houston, Texas, USA

852 From Screening to Registry: Building an Infrastructure for Longitudinal Brain Health Research in Culturally and Linguistically Diverse Communities
Alexa S Gonzalez, Joshua M Garcia, Kasey J Escamilla, Christopher Krause, Michelle N Martinez, Edwin Duran, Luis D Medina
University of Houston, Houston, Texas, USA

854 Recruitment Source Matters: Cognitive and Health Risk Profiles Across Engagement Pathways
Joshua M Garcia, Christopher Krause, Alexa S Gonzalez, Kasey J Escamilla, Edwin Duran, Michelle N Martinez, Luis D Medina
University of Houston, Houston, Texas, USA

Paper 20: Risk and Resilience in Cognitive Health
11:45 - 13:15 Saturday, 7th February, 2026
Location: Salon K (Level 5)
Presentation type Paper Session
Moderator:

11:45 - 12:03
964 Psychological Resilience as a Moderator of Cognitive Reserve: An Integrative Neuroimaging Study
Jacob A Ponce, Oscar L Lopez, Ann D Cohen, Brian Lopresti, Victor L Villemagne, Vivian Zhang, Dana Tudorascu, Anum Saeed, Steven Reis, Beth Snitz, Andrea M Weinstein
University of Pittsburgh, Pittsburgh, PA, USA

12:03 - 12:21
811 Specific aspects of workplace stress in midlife is associated with increased risk of dementia in later life: The Framingham Heart Study
Katherine A Gifford¹, Sherral Devine¹, Hailey Ames¹, Genie Han², Zachary Popp¹, Julisa Fernandez-Rivera³, Rahul Grover², Phillip Hwang¹, Chunyu Liu¹, Rhoda Au¹, Paris Adkins-Jackson⁴, Roland Thorpe², Robert Turner II⁵
¹Boston University, Boston, USA. ²Johns Hopkins University, Baltimore, USA. ³Northeastern University, Boston, USA. ⁴Columbia University, New York City, USA. ⁵Duke University, Durham, USA

12:21 - 12:39
533 Higher Levels of Ambient PM_{2.5} is Associated with Faster Decline in Cognitive Performance in Frontotemporal Degeneration
Ailey Gee, Holly Elser, Sheina Emrani, Boram Kim, Emma Rhodes, David Irwin, Allison Snyder, Kathryn Cousins, Corey McMillan, Lauren Massimo, Rory Boyle
University of Pennsylvania, Philadelphia, PA, USA

12:39 - 12:57
812 The Interplay of Multilingualism and Life-Course Social Mobility Trajectories on Cognitive Aging Among Older Indian Adults
Iris M Strangmann¹, Emma Nichols², Erik Meijer², Pranali Khobragade², Shrikanth Narayanan², Jinkook Lee², Miguel Arce Rentería¹
¹Columbia University Medical Center, New York, NY, USA. ²University of Southern California, Los Angeles, CA, USA

12:57 - 13:15
601 The Interplay of Metabolic Syndrome and Inflammation on Cognitive Functioning Across Young and Middle-Aged Adults
Lauren E Kenney¹, Catherine B Fortier^{1,2}, William P Milberg^{1,2}, Elizabeth Leritz^{1,2}
¹VA Boston Healthcare System, Boston, MA, USA. ²Harvard Medical School, Boston, MA, USA

Paper 21: Pathophysiology and Impact of Head Trauma
11:45 - 13:15 Saturday, 7th February, 2026
Location: Salon B (Level 5)
Presentation type Paper Session
Moderator:

11:45 - 12:00
241 Feasibility and Characterization of the Useful Field of View Assessment in Adolescents Presenting for Multidisciplinary Concussion Care
Holly A. Dustin^{1,2}, Emily Akrong¹, Stacy J. Suskauer^{1,2}, Beth S. Slomine^{1,2}, Adrian M. Svingos^{1,2}
¹Kennedy Krieger Institute, Baltimore, MD, USA. ²Johns Hopkins University School of Medicine, Baltimore, MD, USA

12:00 - 12:15
421 Prevalence of Undetected Lifetime Repetitive Head Impact and Concussion Exposure Among Older Adults
Olivia M. Emanuel¹, Anna Aaronson^{2,3}, Shannon Y. Lee¹, Emily F. Matusz^{1,4}, Jamie Blackband¹, Bailey Garner⁵, Valentina Diaz⁶, Steven DeKosky^{5,7,4}, Monica Rosselli^{8,4}, Rosie E. Curiel Cid^{9,4}, Ranjan Duara^{10,4}, David Loewenstein^{11,4}, Glenn E. Smith^{1,4}, Joel H. Kramer^{12,6}, Gil D. Rabinovici^{6,13}, Robert A. Stern^{2,14,15,16}, Jesse Mez^{2,14,17}, Michael L. Alosco^{2,14,3}, Breton M. Asken^{1,4}
¹Department of Clinical and Health Psychology, University of Florida, Gainesville, FL, USA. ²Boston University CTE Center, Boston University Chobanian & Avedisian School of Medicine, Boston, MA, USA. ³Boston University Alzheimer's Disease Research Center, Boston, MA, USA. ⁴Florida Alzheimer's Disease Research Center, Gainesville, FL, USA. ⁵Department of Neurology, University of Florida College of Medicine, Gainesville, FL, USA. ⁶Memory and Aging Center, Department of Neurology, Weill Institute for Neurosciences, University of California, San Francisco, San Francisco, CA, USA. ⁷McKnight Brain Institute, University of Florida, Gainesville, FL, USA. ⁸Department of Psychology, Florida Atlantic University, Boca Raton, FL,

USA. 9Department of Psychiatry and Behavioral Sciences, University of Miami Miller School of Medicine, Miami, FL, USA. 10Wien Center for Alzheimer's Disease and Memory Disorders, Mount Sinai Medical Center, Miami Beach, FL, USA. 11Center for Cognitive Neuroscience and Aging, University of Miami Miller School of Medicine, Miami, FL, USA. 12Department of Neurology, University of California, San Francisco, San Francisco, CA, USA. 13Department of Radiology and Biomedical Imaging, University of California San Francisco, San Francisco, CA, USA. 14Department of Neurology, Boston University Chobanian & Avedisian School of Medicine, Boston, MA, USA. 15Department of Neurosurgery, Boston University Chobanian & Avedisian School of Medicine, Boston, MA, USA. 16Department of Anatomy & Neurobiology, Boston University Chobanian & Avedisian School of Medicine, Boston, MA, USA. 17Framingham Heart Study, Framingham, MA, USA

12:15 - 12:30

143 Traumatic Brain Injury, Neuropsychological Functioning, and Risk for Involvement in Community Violence
John-Christopher A Finley, Michael Brook
Northwestern University Feinberg School of Medicine, Chicago, IL, USA

12:30 - 12:45

813 Head Trauma, Repetitive Head Impacts, and Traumatic Brain Injury in Sexual and Gender Minority Individuals
Sophia Lall1, Jill Del Pozzo2,1, Jay Plourde1, Raj G. Kumar1, Carrie Esopenko3,1, Kristen Dams O'Connor1
1Brain Injury Research Center, Mount Sinai Hospital, New York, NY, USA. 2Department of Neurology, Hackensack Meridian Health, Neptune, NY, USA. 3Traumatic Brain Injury and Concussion Center, Department of Neurology, University of Utah, Salt Lake City, UT, USA

12:45 - 13:00

1025 Peritraumatic Mild Traumatic Brain Injury is Associated with Enduring Postconcussive Symptoms, Functional Disability, and Poorer Neuropsychological Function: A Longitudinal Analysis
Aubrey A. Knoff1,2, Emily J. Van Etten1,3, Jack Carbaugh1, Arielle R. Knight4,1, Tristan Colaizzi5, Alexandra Kenna1, Catherine B. Fortier1,2, William P. Milberg1,2
1VA Boston Healthcare System, Boston, MA, USA. 2Harvard Medical School, Boston, MA, USA. 3Boston University Chobanian & Avedisian School of Medicine, Boston, MA, USA. 4Boston University, Boston, MA, USA. 5Virginia Tech Carilion School of Medicine, Roanoke, VA, USA

13:00 - 13:15

901 Locus Coeruleus Functional Connectivity and Inflammatory Cytokines in Chronic Traumatic Brain Injury
Abigail B Waters1,2, Samantha H Penhale2, Damon Lamb1,2, Claudia S Robertson3, Richard Rubenstein4, Amy Wagner5, Kevin Wang6, John B Williamson1,2
1Brain Rehabilitation Research Center, Gainesville, FL,

USA. 2University of Florida, Gainesville, FL, USA. 3Baylor College of Medicine, Houston, TX, USA. 4SUNY Downstate, Brooklyn, NY, USA. 5University of Pittsburgh, Pittsburgh, PA, USA. 6Morehouse School of Medicine, Atlanta, GA, USA

Symposium 19: (Margolis) Beyond Seizures: Understanding the Person Behind the Epilepsy
11:45 - 13:15 Saturday, 7th February, 2026
Location: Salon D (Level 5)
Presentation type Symposium
Introduction:

36 Beyond Seizures: Understanding the Person Behind the Epilepsy
Chair
Seth A Margolis
Brown University, Providence, RI, USA
Discussant (Optional)
Summary Abstract

While seizures are the hallmark of epilepsy, they represent only one aspect of a condition that profoundly affects cognition, behavior, identity, and social experience. This symposium presents four interrelated perspectives that move beyond seizure control to explore the multifaceted realities of living with epilepsy. From diagnostic complexity and social inequity to procedural trauma and post-surgical identity, the presentations highlight the importance of understanding the person behind the epilepsy. The first presentation addresses the diagnostic challenges faced by neuropsychologists when assessing individuals with epilepsy. Performance on cognitive tests is often influenced by a range of non-seizure-related factors, including neurodevelopmental conditions, psychiatric comorbidities, psychosocial stressors, and acquired brain injuries. A clinical case example illustrates how these influences can interact, complicating the interpretation of neuropsychological data and emphasizing the need for a comprehensive, context-sensitive approach to diagnosis and treatment planning. The second talk examines the role of social determinants of health in shaping cognitive and neurobehavioral outcomes across the epilepsy lifespan. Drawing from an extensive review of research, the presentation outlines how educational disadvantage, neighborhood deprivation, stigma, and limited access to care independently predict adverse outcomes—even in the context of well-controlled seizures. A conceptual SocioBioCognitive Epilepsy (SBC-E) Framework is introduced to help clinicians and researchers account for both biological and social risk factors in understanding heterogeneity in epilepsy outcomes. The third presentation turns to the lived experience of patients undergoing stereo-EEG (SEEG), a critical but invasive diagnostic procedure. Qualitative data from patient interviews reveal psychological themes including loss of autonomy, vulnerability, resilience, and meaning-making. While some participants describe a challenging recovery period marked by fatigue and emotional distress, others

reflect on SEEG as a transformative step in their epilepsy journey. These findings offer valuable guidance for improving patient preparation, support, and post-procedural care. The final talk explores the concept of the “burden of normality” through art therapy and lived experience. Using a series of post-operative self-portraits, one individual’s reflections on their recovery from epilepsy surgery are shared alongside supporting empirical literature. The artwork reveals emotional transitions—from relief to grief, identity confusion to reconstruction—that are often hidden from traditional clinical follow-up. The presentation underscores the potential of creative therapies to capture and support the nuanced psychological processes that accompany life after surgery. Together, these four talks challenge reductionist models of epilepsy care and emphasize the importance of treating the whole person, not just the seizures. By integrating neuropsychological insight, social context, and patient experience, the symposium calls for a more holistic and individualized approach to understanding and supporting people living with epilepsy.

Keyword 1

epilepsy/seizure disorders

Keyword 2

epilepsy/seizure disorders - surgical treatment

Keyword 3

social processes

759 Diagnostic Challenges in the Neuropsychology of

Epilepsy: Report of the ILAE Neuropsychology Task

Force Diagnostic Methods Commission: 2021-2025

Mary Lou Smith¹, Mayu Fujikawa², Genevieve

Rayner³, Seth A Margolis⁴, Bruce Hermann⁵,

Gus Baker⁶, Sallie Baxendale⁷, Robyn Busch⁸,

Aimee Dollman⁹, Vicki Ives-Deliperi⁹, Carrie

McDonald¹⁰, Urvashi Shah¹¹, Sarah Wilson³

¹University of Toronto Mississauga, Toronto, Ontario,

Canada. ²Tohoku University Graduate School of Medicine,

Sendai, Japan. ³University of Melbourne, Melbourne,

Victoria, Australia. ⁴Brown University, Providence,

Rhode Island, USA. ⁵University of Wisconsin School of

Medicine and Public Health, Madison, Wisconsin, USA.

⁶University of Liverpool, Liverpool, United Kingdom.

⁷Institute of Neurology, University College London,

London, United Kingdom. ⁸Cleveland Clinic, Cleveland,

Ohio, USA. ⁹University of Capetown, Capetown,

South Africa. ¹⁰UC San Diego, San Diego, CA, USA.

¹¹King Edward Memorial Hospital, Mumbai, India

760 Rethinking Epilepsy Risk: The Social Dimensions

of Epilepsy and Their Impact on Cognitive and

Neurobehavioral Outcomes Across the Lifespan

Anny Reyes

Cleveland Clinic, Cleveland, Ohio, USA

762 Patients’ Perceptions of Stereo-Electroencephalography:

Navigating Admission and Recovery

Genevieve Rayner

University of Melbourne, Melbourne, Victoria, Australia

763 The Lived Experience of the Burden of Normality:

Explored Through the Lens of Art Therapy

Sarah Brown¹, Honor Coleman²,

Tammy Shella¹, Sarah Wilson²

¹Cleveland Clinic, Cleveland, Ohio, USA. ²University

of Melbourne, Melbourne, Australia

Closing Ceremony

13:15 - 13:30 Saturday, 7th February, 2026

Location: Grand Ballroom / Salon E

Presentation type Program