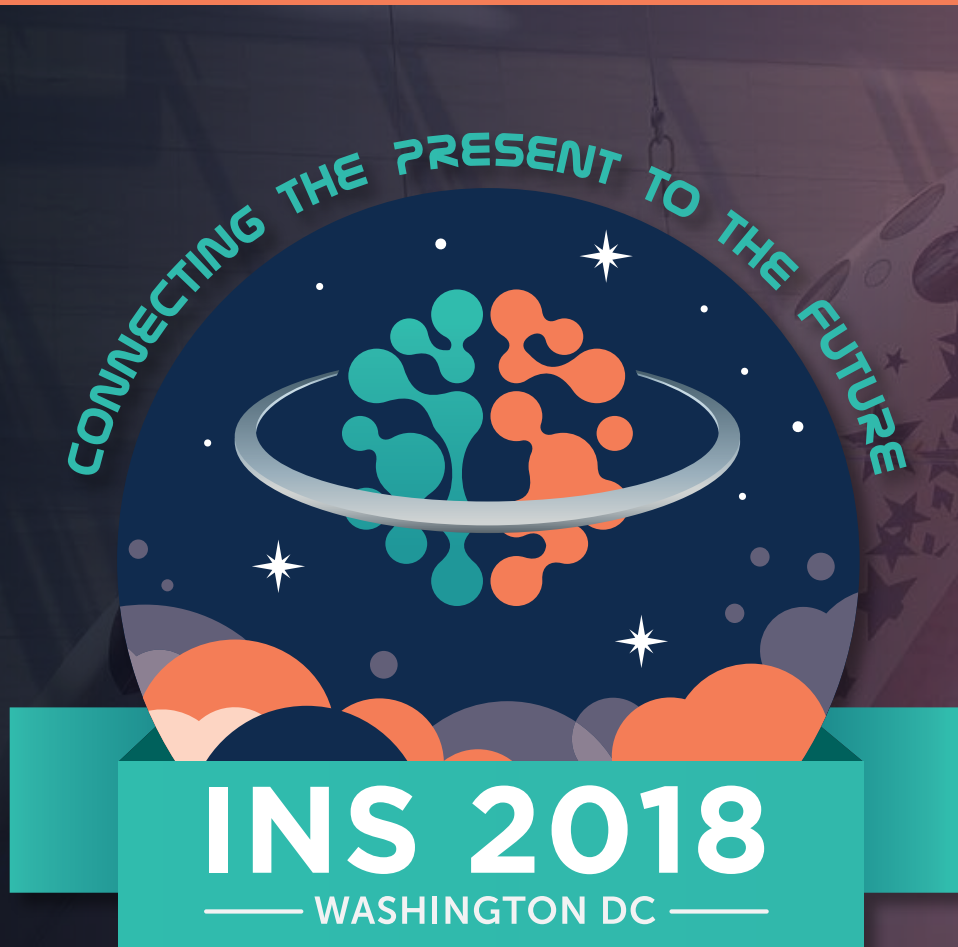


The International Neuropsychological Society

46th Annual Meeting

Connecting the Present to the Future

Washington, DC, USA | February 14-17, 2018



www.the-ins.org



INS 46th Annual Meeting

Connecting the Present to the Future

Washington, DC, USA | February 14-17, 2018

INS President: Michael D. Kopelman

Program Committee Chair: Shawn M. McClintock

CE Program Director: Raul Gonzalez

	Wednesday, February 14	Thursday, February 15	Friday, February 16	Saturday, February 17
7:00 AM				
7:30 AM		CE Workshops 7:20–8:50 CE 7. Gur CE 8. Rao	CE Workshops 7:20–8:50 CE 9. Williamson CE 10. Cohen	CE Workshops 7:20–8:50 CE 11. Marquine CE 12. Fernandez, Evans
8:00 AM				
8:30 AM		Poster 2 8:00–9:15 Neuropsych Forensics	Business Meeting 8:15–9	
9:00 AM	CE Workshops 9:00–12:00 CE 1. Fletcher CE 2. Johnston, Gerner, Burton CE 3. Nadeau, Minkina, Edmonds	Concurrent 9:00–10:30 Inv Symp 1–Moscovitch Symp 1–Green Symp 2–Wilkinson-Smith Paper 1–Assessment	Plenary D 9:00–10:00 Lisanby	Concurrent 9:00–10:30 Inv Symp 5–Cram Symp 11–Hermann Paper 15–Aging Paper 16–Stress, Sleep, Exercise
9:30 AM		Poster 3 9:30–10:45 Concussion		Poster 10 9–10:15 Cog Neurosc Neuromod
10:00 AM		Break 10:30–10:45	Break 10:00–10:15	
10:30 AM		Plenary B 10:45–11:45 Miller	Concurrent 10:15–11:45 Inv Symp 3–Thames Symp 7–Kenworthy Symp 8–Brickman Paper 9–Alcohol Abuse SLC Panel–Cognitive Rehabilitation	Break 10:30–10:45
11:00 AM			Poster 7 10:15–11:30 Assessment	Concurrent 10:45–12:15 Symp 12–Arnett Paper 17–Cancer Paper 18–Memory Paper 19–Cerebrovascular, Epilepsy
11:30 AM		Concurrent 11:45–1:15 Inv Symp 2–Kane Symp 3–Madore Paper 2–Adult Med Disorders Paper 3–Mood Anxiety	Plenary E 11:45–12:45 Pitel	Poster 11 10:45–12 Exec Function Lang, Memory
12:00 PM	Lunch Break 12:00–1:00			Plenary G 12:15–1:15 Kaplan Lecture: Ramachandran
12:30 PM		Lunch Break 1:15–2:15	Lunch Break 12:45–1:45	
1:00 PM	CE Workshops 1:00–4:00 CE 4. Jak CE 5. Luna CE 6. Jacobson, Zabel, Pritchard	Concurrent 2:15–3:45 Symp 4–Shapiro Symp 5–Lamar Paper 4–Concussion TBI Paper 5–PD	Concurrent 1:45–3:15 Inv Symp 4–Franke Symp 9–Hampstead Paper 10–Bipolar Schizoph Paper 11–MCI & Dementia	Kaplan Lunch 1:15–2:15
1:30 PM		Career Award 2:15–3:15 Buxbaum	Poster 8 1:45–3:00 Adult Neurological	
2:00 PM	SLC Workshop 2:30–4:00 Pliskin	Poster 1 2:30–3:45 Aging		
2:30 PM		Poster 5 2:30–3:45 Child Medical & Neuropsych	Break 3:15–3:30	
3:00 PM		Break 3:45–4:00	Concurrent 3:30–5:00 Symp 10–Cullum Paper 12–TBI Paper 13–AD Paper 14–Neurophys & Neuroimage	
3:30 PM		Career Award 4:00–5:00 van Tol	Poster 9 3:30–4:45 Adult Medical	
4:00 PM	Break 4:00–4:30	Concurrent 4:00–5:30 Symp 6–Levin Paper 6–Pediatric Paper 7–Cognitive Reserve Paper 8–Neurocog Traject and Aging		
4:30 PM	Welcome 4:30–4:45	Poster 6 4:00–5:15 Acquired Brain Injury		
5:00 PM	Plenary A 4:45–5:45 INS Presidential Address: Kopelman		Plenary F 5:00–6:00 Birch Lecture: Verfaellie	
5:30 PM		Plenary C 5:30–6:30 Nicolelis		
6:00 PM	Awards Ceremony 5:45–6:30			
6:30 PM				
7:00 PM	Welcome Reception 6:30–7:30			
7:30 PM				

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Dear Colleagues,

On behalf of the 2018 Program Committee, we welcome you to the 46th Annual Meeting of the International Neuropsychological Society! We look forward to you joining us in Washington, DC from February 14 - 17, 2018.

The INS Program Theme this year is *Connecting the Present to the Future*. Consistent with this, we have prepared what we hope will be a very stimulating program filled with internationally renowned, innovative, and pioneering scientists and clinicians from multiple disciplines. These include professionals from clinical neuropsychology, cognitive neuroscience, and neuropsychiatry to point us in new directions, and where our organization can take a lead. As highlighted in the invited plenary and symposia speakers and topics, we are 'aiming for the moon' through a symposium focused on neurocognitive function in aeronautics and aerospace, and a plenary that demonstrates the futuristic world of the brain-machine interface. Complementing the invited plenary and symposia, submitted abstracts and symposia take the program theme further, and showcase INS attendees' high caliber work. The Annual Meeting will also provide excellent opportunities for networking and making time to enjoy the many wonderful activities that Washington, DC has to offer!

Based on the positive reviews of the 2017 INS Annual Meeting (New Orleans), we have adopted much of the format used at that meeting. Thus, the 2018 Annual Meeting will open on Wednesday with the INS Presidential Address followed by an opening ceremony and fabulous reception that includes entertainment and refreshments. We are thrilled to include the second annual Edith Kaplan Memorial Lecture, and an associated luncheon which will conclude the Meeting on Saturday. As the INS Annual Meeting has a longstanding tradition of being host to students interviewing for postdoctoral fellowships, we are pleased to announce that we have made space for a Student Lounge, which for the first time will provide a place for students to relax and network while at the meeting. Another exciting aspect of this year's meeting is that it takes place during two international holidays, the first being Valentine's Day on Wednesday and the Lunar New Year on Friday. So, naturally, we wish all attendees a Happy Valentine's Day and a wonderful and healthy Lunar New Year!

This year's program would not be possible without the work of the 2018 Program Committee and the support of the Executive Director Gordon Chelune, the Board of Directors, the Student Liaison Committee, and Student and Early Career Volunteers. We also thank Raul Gonzalez and Melissa Lamar, INS Continuing Education Committee Chair and Co-Chair, respectively, for putting together a superb series of Continuing Education Workshops.

We would also like to extend our deepest appreciation to the highly committed and dedicated staff at the INS Office including Jane Laird, Chantal Marcks, and Tandy Pietro. Truly, there would be no Meeting without them!

We hope you enjoy the exciting and 'out-of-this-world' scientific program, and we look forward to seeing you in Washington, DC!



Shawn M. McClintock
Program Chair



Michael D. Kopelman
INS President

INS 46th Annual Meeting Program Committee

INS President

Michael D. Kopelman

Program Committee Chair

Shawn M. McClintock

Continuing Education Committee

Raul Gonzalez, Chair

Melissa Lamar, Co-Chair



Program Committee Members

† Designates member of Program Executive Committee

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Alex Bahar-Fuchs
Sarah Banks
Cady Block
Evangelia Bonda
Emily Briceno-Abreu
Adam Brickman
Jimmy Choi †
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Pamela Dean
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Melissa Lamar
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Donel Martin
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Carol Persad
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Kayci Vickers
Guy Vingerhoets
Jeff Wefel
Amanda Gooding Weingarten
Sara Weisenbach
Michael Williams
Kristin Wilmoth
Martin Woon
Ericka Wodka
Laura Zahodne
Molly Zimmerman

Local Arrangements Committee Members

Timothy Fratto
William Garmoe

Yael Granader
Robb Mapou

Lawrence Pick
Danielle Shaked

REGISTRATION & HOTEL

INS Registration Desk

Upon your arrival, please visit the INS Registration Desk to check-in and obtain your badge and other materials.

INS registration is located on the Lobby Level at the *Convention Registration Desk*.

Registration Desk Hours:

Tuesday, February 13	3:00 PM–6:00 PM
Wednesday, February 14	8:00 AM–6:00 PM
Thursday, February 15	7:00 AM–6:00 PM
Friday, February 16	7:00 AM–5:30 PM
Saturday, February 17	7:00 AM–12:30 PM

Badge Policy

The INS name badge must be worn at all times during the Annual Meeting, during both INS-sponsored and privately-hosted events and activities (including ancillary meetings or events, and candidate interviews that occur on-site).

Lost badges may be replaced at the INS Desk.

If you enrolled in optional CE workshops, your badge is required for entry into those sessions (you must show your badge to the volunteer proctor to gain entry). **Only pre-registered participants are permitted in CE workshops.**

What is Included in Registration?

The general registration fee includes all **General Sessions**—including plenaries, paper sessions, all symposia, poster sessions, and INS social events—and it allows attendees to utilize INS meeting space for **candidate interviews** and **ancillary events**.

What is Not Included?

The only items not included in the general registration fee are **Continuing Education (CE) Workshops** and **Optional CE Credit for Plenary Attendance**. Please see the CE section of this book for details.

Official Venue & Headquarter Hotel

The official meeting venue and headquarter hotel is the Marriott Wardman Park. All INS meeting events occur at the hotel.

Attendees who are staying in the INS room block will receive COMPLIMENTARY internet access in their guest room. If you did not book in the INS room block but you are staying at the headquarter hotel, you can enroll in Marriott Rewards to receive FREE wireless internet whenever you stay with Marriott; enroll today at www.marriott.com/rewards/createAccount/createAccountPage1.mi?enrollmentSourceCode=3528.



Washington Marriott Wardman Park

2660 Woodley Road NW, Washington DC 20008
Phone: +1-202-328-2000, Fax: +1-202-234-0015

Alerts & Flash Photography

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).

Attendee 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 INS Annual Meeting. If an individual is unable to meet these expectations, INS reserves the right to ask them to leave the meeting without reimbursement.

Certificates of Attendance

If you require a certificate of attendance, please inquire at the INS Desk or email INS@utah.edu.

Continuing Education

CE options are NOT included in the general registration fee. You must register and pay additional fees in order to attend CE workshops, or to receive optional CE credit for attending plenary sessions.

For complete CE registration details, program requirements, course descriptions, and more, please see the CE section of this program book.

CE Workshops

Attendees MUST pre-register for CE Workshops. Proctors will check attendee badges at the door and will only admit pre-registered participants.

CE workshops may be added up to 24 hours prior to the workshop's start. To add CE options, please visit the on-site registration desk.

Optional CE Credit for Plenary Attendance

One hour of OPTIONAL credit is available for each plenary. To receive optional CE credit, plenary attendees must submit an attendance slip, complete all CE requirements, and pay a separate fee (the fee may be paid before the session or after the meeting is over; visit the-ins.org to add plenary credit after the meeting is over).

CE Handouts

If you registered for CE prior to January 30, you should have received an email with links to the handouts for your CE session(s). If you register on-site for CE options, you will receive the link to relevant handouts at that time. **Please remember no paper copies will be distributed, and we highly recommend that you download and/or print handouts in advance of the session as we are expecting high bandwidth usage.**

INS Meeting App



Download the INS Meeting app for your phone, tablet, or personal computer.

To download and start personalizing the app, search for "INS 2018" at the Apple Store or Android Market, or visit tripbuildermedia.com/apps/INS2018.

How to Upload Your Handout

INS will send an email to submitting abstract authors allowing them to upload or link to an optional handout for their presentation.

Handout files must be PDF, PPT, XLS, DOC, TXT, PNG, or JPG and cannot exceed 1 MB. You can also provide a link to your handout.

How to Upload Your Photo

You can add yourself to the list of attendees by completing the "MyProfile" section (you can choose how much information to share).

To upload your photo, click on the MyProfile icon within the app and click Edit.

Photo files must be portrait orientation, and file size may not exceed 256 KB. The ideal size for photos is 400 pixels in width by 510 pixels in height (skewing may occur with other sizes).

Internet Access

Wireless internet access is available in all INS meeting spaces. **To get online, first connect to the wireless network called *Marriott_Conference* and then enter the password: *INS2018*.**

Interview Rooms

Rooms designated for candidate interviews are listed below. Please use the on-site message boards to post or check for interviewing opportunities. Interviews are arranged independently; INS does not coordinate interviews.

Tuesday through Friday

8 AM to 8 PM Coolidge, Harding, Hoover, and Balcony A (Mezzanine Level)

Saturday

8 AM to 12 PM Balcony A (Mezzanine Level) and Park Tower Rooms 8222, 8226, and 8228 (Lobby Level)

Nursing Mothers

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

Plenary Sessions

All registered attendees are encouraged to attend the seven plenary addresses in this year's program.

Please Note: Volunteer proctors will be posted at the door of each plenary to distribute attendance slips to those who wish to seek optional CE credit for their attendance. **Attendees DO NOT need to complete the CE attendance slip unless they plan to seek CE credit for the session, either now or at a later date.** Please see the CE section of this book for details.

Published Proceedings

The proceedings of the INS 46th Annual Meeting will be published online in the *Journal of the International Neuropsychological Society: JINS*, Volume 24 (2018), Supplement 1. All supplemental issues of JINS are freely available online, without a subscription.

A pre-publication copy of the proceedings (including the schedule, abstracts, and author and keyword indices) may be downloaded via the INS website.

Student Lounge

INS is pleased to offer a dedicated space for students to relax and network at the Annual Meeting. The Student Lounge is located in **Balcony B** on the Mezzanine Level during hours listed below.

Tuesday-Friday 6:30 AM–8:00 PM
Saturday 6:30 AM–12:15 PM

SPECIAL EVENTS

INS Awards Ceremony & Welcome Reception

Don't miss the **INS Awards Ceremony** on Wednesday, February 14 from 5:45–6:30 PM in Ballroom Salon 2-3.

Then, stick around for the **Welcome Reception** from 6:30–7:30 PM in Ballroom Salon 1.

INS Business Meeting: Business & Bakeries

Learn about the INS organization and upcoming initiatives at the annual **Business Meeting** on Friday, February 16 from 8:15–9:00 AM in Ballroom Salon 2-3.

Student Social, Hosted by the INS Student Liaison Committee (SLC)

Trainees of all levels are welcome to join the INS SLC at their bi-annual **Student Social** on Thursday, February 15 from 7:00–9:00 PM. The night will include a raffle for several great prizes, including books and test kits provided by generous sponsors—including Guilford, Oxford, Pearson, PAR, Springer and WPS. Please see the on-site INS flyer for complete details.

Kaplan Lecture & Luncheon

Join us for the **Kaplan Memorial Lecture** on Saturday at 12:15 PM in Ballroom Salon 2-3, followed by the **Kaplan Lecture Luncheon** from 1:15–2:15 PM in Ballroom Salon 1 (**advance RSVP is required to attend the luncheon**).

Speaker Ready Room

The Speaker Ready Room is located in the *Capitol Boardroom* on the Lobby Level.

Speaker Ready Room Hours

Wednesday, February 14	8–9 AM, 12–1 PM, and 2:30–4:30 PM
Thursday, February 15	7 AM–12 PM and 1:30–5:30 PM
Friday, February 16	7–11:45 AM and 1:30–5 PM
Saturday, February 17	7 AM–12 PM

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.

A technician will be available during posted hours to help upload presentations to a central system. Speakers are strongly encouraged to check-in well in advance of their scheduled presentation, preferably the day before if possible. This will ease transitions between sessions where time is extremely tight.

All speakers (including Plenary and CE Speakers and all presenters in Paper and Symposia Sessions) are required to check-in at the Speaker Ready Room at least ONE HOUR prior to their assigned session.

PAPER SESSION PRESENTERS

All paper presenters must report to the Speaker Ready Room to upload their presentation by no later than one hour prior to their scheduled session.

Each paper session is 90 minutes in length and consists of 4-7 individual presentations.

Each session will have a moderator who will introduce the speakers, help solve any problems, and keep the session running on time.

Each presenter will have 12-22 minutes to present their paper—this includes time for their introduction by the moderator, and a brief question and answer period immediately following each presentation.

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.

SYMPOSIA PRESENTERS

All symposium presenters must report to the Speaker Ready Room to upload their presentation by no later than one hour prior to their scheduled session.

All symposia sessions are 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 PRESENTERS

Poster sessions will occur in Exhibit Hall B North on the Exhibition Level. **Please arrive 10 minutes prior to the start of your session in order to mount your poster.**

Please refer to the mobile app or the final program in Section 2 of this book for your final Poster Board Number, and then kindly mount your poster on the board labeled with your assigned number.

A volunteer will be available 10 minutes prior to the start of each poster session to distribute push-pins and assist authors with finding their assigned poster board.

The presenting author must be present at the poster session and should remain with the poster to entertain questions for the duration of the session.

POSTER SYMPOSIA PRESENTERS

Please follow the instructions above 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.

**Don't Miss the
INS 47th Annual
Meeting in NYC**

February 20-23, 2019
in New York City

At the Marriott Marquis
Located in Times Square



INS 2019
New York City



Save the Date—Upcoming INS Meetings



Photo Credit: Rafael Rabello de Barros

INS MID-YEAR 2019: RIO, BRASIL

DAILY PROGRAM OVERVIEW

For a complete listing of scheduled abstract presentations, please refer to Section 2 of this book. For a list of changes that have occurred since the program was finalized, please refer to the flyer with scientific program changes and additions.

Time	Wednesday, February 14, 2018		
9:00 – 12:00 PM	CE Workshop 1. Test and Treat or Treat and Test? Scientific and Ethical Issues in Neuropsychological Approaches to Learning Disabilities Presenter: Jack M. Fletcher <i>Maryland A-C</i>	CE Workshop 2. Role of Neuroplasticity in Outcomes from Perinatal Brain Injuries Presenters: Michael V. Johnston, Gwendolyn J. Gerner, Joanna Burton <i>Virginia A-C</i>	CE Workshop 3. Language Foundations in Population Encoding Networks and Implications for Aphasia Therapy Presenters: Stephen E. Nadeau, Irene Minkina, Lisa Edmonds <i>Delaware A-B</i>
12:00 – 1:00 PM	Lunch (On Own) – Conference-Wide		
1:00 – 4:00 PM	CE Workshop 4. Assessment and Treatment of Postconcussive Symptoms in Veterans: Rethinking the Role of Concussion Presenter: Amy J. Jak <i>Virginia A-C</i>	CE Workshop 5. How Adolescence Specializes The Brain to Establish Adult Modes of Operation Presenter: Beatriz Luna <i>Maryland A-C</i>	CE Workshop 6. Ethical Practice in a Learning Healthcare System: Tomatoes, Technology, and the Marriage of Clinical Practice and Research Presenters: Lisa Jacobson, T.A. Zabel, Alison Pritchard <i>Ballroom Salon 3</i>
2:30 – 4:00 PM	Workshop, Presented by the INS Student Liaison Committee: The Role of Neuropsychology in an Integrated Healthcare Setting Presenter: Neil H. Pliskin <i>Delaware A-B</i>		Poster Session 1. Aging (Ends at 3:45 PM) <i>Exhibit Hall B North (Exhibition Level)</i>
4:30 – 4:45 PM	Program Welcome Program Committee Chair: Shawn M. McClintock <i>Ballroom Salon 2-3</i>		
4:45 – 5:45 PM	Plenary A (INS Presidential Address). Anomalies of Autobiographical Memory INS President: Michael Kopelman <i>Ballroom Salon 2-3</i>		
5:45 – 6:30 PM	INS Awards Ceremony Awards Committee Chair: Roy Kessels <i>Ballroom Salon 2-3</i>		
6:30 – 7:30 PM	Welcome Reception – Ballroom Salon 1		

Time	Thursday, February 15, 2018			
7:20 – 8:50 AM	CE Workshop 7. “Precision Neuropsychology”: Neuropsychological Assessment in the “Precision Medicine” Revolution Presenter: Ruben C. Gur <i>Ballroom Salon 1</i>		CE Workshop 8. Role of Computerized Screening in Healthcare Teams: Why Computerized Testing is NOT the Death of Neuropsychology Presenter: Stephen M. Rao <i>Maryland A-C</i>	
8:00 – 9:15 AM	Poster Session 2. Neuropsychiatry, Forensics, and Inclusion and Diversity – Exhibit Hall B North (Exhibition Level)			
9:00 – 10:30 AM	Invited Symposium 1. Multiple Trace Theory (MTT) at 20: A Review of Theoretical, Empirical and Clinical Developments, and Future Directions Chair: Morris Moscovitch Presenters: Lynn Nadel, Gordon Winocur, Mary Pat McAndrews, Morris Moscovitch <i>Ballroom Salon 2-3</i>	Symposium 1. Remote and Progressive Effects of Brain Injury: Novel Findings and Novel Treatment Approaches Chair & Discussant: Robin Green Presenters: Brenda Colella, Alexander Terpstra, Brandon Vasquez <i>Ballroom Salon 1</i>	Symposium 2. Neuropsychology of Pediatric Neuroimmunological Diseases Chair, Presenter, & Discussant: Alison Wilkinson-Smith Presenters: Lana Harder, Robyn A. Howarth <i>Maryland A-C</i>	Paper Session 1. Assessment Moderator: Justin B. Miller <i>Virginia A-C</i>
9:30 – 10:45 AM	Poster Session 3. Concussion – Exhibit Hall B North (Exhibition Level)			
10:30 – 10:45 AM	AM Coffee Break – Exhibit Halls B North (Exhibition Level)			
10:45 – 11:45 AM	Plenary B. Rule + Rhythms = Cognition Presenter: Earl K. Miller <i>Ballroom Salon 2-3</i>			
11:45 – 1:15 PM	Invited Symposium 2. Neurocognitive Function in Aerospace and Aeronautics Chair: Robert L. Kane Presenters: Robert L. Kane, Andrea Vincent, Gary Kay, Kimberly Seaton, Thomas Williams <i>Ballroom Salon 2-3</i>	Symposium 3. Increasing Minority Engagement in the Field of Neuropsychology Chair: Michelle Madore Presenters: Beatriz MacDonald, Christine Salinas, Steven P. Verney, Justina Avila <i>Ballroom Salon 1</i>	Paper Session 2. Adult Medical Disorders Moderator: Cady K. Block <i>Maryland A-C</i>	Paper Session 3. Mood and Anxiety Disorders Moderator: Sara Weisenbach <i>Virginia A-C</i>

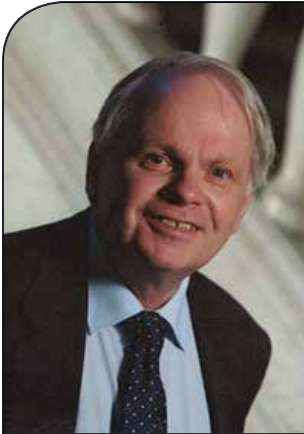
Time	Thursday, February 15, 2018 (continued)			
12:00 – 1:15 PM	Poster Session 4. MCI and Dementia – Exhibit Hall B North (Exhibition Level)			
1:15 – 2:15 PM	Lunch (On Own) – Conference-Wide			
2:15 – 3:15 PM	Benton / Mid-Career Awardee Presentation: Objects and Actions in the Healthy and Damaged Brain Award Recipient: Laurel J. Buxbaum Delaware A-B			
2:15 – 3:45 PM	Symposium 4. Technological advances in pediatric neuropsychological assessment and intervention Chair & Presenter: Danielle Shapiro Discussant: H. Gerry Taylor Presenters: Seth Warschausky, Shari L. Wade, Andrew Hurwitz Ballroom Salon 2-3	Symposium 5. The Present and Future of Technology in Neuropsychological Assessment: What is Feasible (and Fundable) Today, Tomorrow and in Years to Come Chair: Melissa Lamar Discussants: Richard Gershon, David Libon, Daniel A. Nation, Dana Penney, Jonathan King, Wendy Nilsen, Nina Silverberg, Molly Wagster Presenters: Catherine C. Price, Dorene Rentz, Rhoda Au Ballroom Salon 1	Paper Session 4. Concussion and Traumatic Brain Injury Moderator: Nyaz Didehbani Maryland A-C	Paper Session 5. Parkinson Disease and Movement Disorders Moderator: Dawn Schiehser Virginia A-C
2:30 – 3:45 PM	Poster Session 5. Child Medical and Neuropsychiatry – Exhibit Hall B North (Exhibition Level)			
3:45 – 4:00 PM	PM Coffee Break – Exhibit Halls B North (Exhibition Level)			
4:00 – 5:00 PM	Early Career Awardee Presentation: Neurocognitive Mechanisms Underlying Development, Course and Treatment of Major Depressive Disorder Award Recipient: Marie-Jose van Tol Delaware A-B			
4:00 – 5:15 PM	Poster Session 6. Acquired Brain Injury – Exhibit Hall B North (Exhibition Level)			
4:00 – 5:30 PM	Symposium 6. Chronic Effects of Mild Traumatic Brain Injury in Veterans and Service Members on Cognition, Vestibular Function, Motor Performance, and Brain Imaging: A Biopsychological Model Chair: Harvey S. Levin Discussant: Tracy Nolen Presenters: Heather Belanger, David F. Tate, William Walker, Elisabeth A. Wilde Ballroom Salon 2-3	Paper Session 6. Pediatric Neuropsychiatry Moderator: Lana Harder Ballroom Salon 1	Paper Session 7. Cognitive Reserve Moderator: Rosemary Fama Maryland A-C	Paper Session 8. Neurocognitive Trajectory and Aging Moderator: Kamini Krishnan Virginia A-C
5:30 – 6:30 PM	Plenary C. Linking Brains to Machines: From Basic Science to Neurological Neurorehabilitation Presenter: Miguel Nicolelis Ballroom Salon 2-3			
7:00–9:00 PM	Student Social, Hosted by the INS Student Liaison Committee – To Be Announced			

Time	Friday, February 16, 2018				
7:20 – 8:50 AM	CE Workshop 9. Vulnerability to Post Traumatic Distress Disorder After Traumatic Brain Injury; Chronic Stress and Accelerated Aging Presenter: John B. Williamson <i>Ballroom Salon 1</i>		CE Workshop 10. Cognitive and Brain Aging: Neurodegeneration, Cumulative Risk and Etiological Factors, or Epigenetic Phenomena? Presenter: Ron A. Cohen <i>Maryland A-C</i>		
8:15 – 9:00 AM	INS Business Meeting (Business & Bakeries) INS President: Michael Kopelman <i>Ballroom Salon 2-3</i>				
9:00 – 10:00 AM	Plenary D. Where Neuromodulation and Neuropsychology Meet – Promoting Plasticity to Enhance Brain Health Presenter: Sarah H. Lisanby <i>Ballroom Salon 2-3</i>				
10:00 – 10:15 AM	AM Coffee Break – <i>Exhibit Halls B North (Exhibition Level)</i>				
10:15 – 11:30 AM	Poster Session 7. Assessment Across the Lifespan – <i>Exhibit Hall B North (Exhibition Level)</i>				
10:15 – 11:45 AM	Invited Symposium 3. Challenging the Status Quo: Future Directions in Cultural Neuropsychology Chair: April Thames Presenters: Monica Rivera Mindt, Desiree Byrd, Jennifer J. Manly, Tedd Judd <i>Ballroom Salon 2-3</i>	Symposium 7. Bringing Neuropsychology to the People: Transforming Our Knowledge of Executive Function (EF) Phenotypes into Effective Community-based Interventions for Children Chair & Presenter: Lauren Kenworthy Discussant: Hilde Geurts Presenters: Kristina K. Hardy, Shari L. Wade, John Strang <i>Ballroom Salon 1</i>	Symposium 8. Toward a biomarker-only diagnosis of Alzheimer's disease Chair & Presenter: Adam M. Brickman Presenters: Clifford Jack Jr, Adam M. Brickman, Mark W. Bondi, Jennifer J. Manly <i>Maryland A-C</i>	Paper Session 9. Alcohol and Substance Abuse Moderator: Michael Kirkwood <i>Virginia A-C</i>	Panel Discussion, Presented by the INS Student Liaison Committee: Technology and New Approaches in Cognitive Rehabilitation Presenters: Jonathan Evans, Bruce Luber, Sarah S. Morimoto, Matthew Kurtz <i>Delaware A-B</i>

Time	Friday, February 16, 2018 (continued)			
11:45 – 12:45 PM	Plenary E. Neuropsychology and Neuroimaging of Alcohol Use Disorder With and Without Korsakoff Syndrome: A Better Understanding for a Better Treatment Presenter: Anne Lise Pitel <i>Ballroom Salon 2-3</i>			
12:45 – 1:45 PM	Lunch (On Own) – Conference-Wide			
1:45 – 3:00 PM	Poster Session 8. Adult Neurological – Exhibit Hall B North (Exhibition Level)			
1:45 – 3:15 PM	Invited Symposium 4. From Genes to Behavior in ADHD – How is the Brain Involved? Chair: Barbara Franke Presenters: Marta Ribases, Janita Bralten, Stephen V Faraone, Barbara Franke <i>Ballroom Salon 2-3</i>	Symposium 9. Transcranial direct current stimulation in older adults Chair & Presenter: Benjamin M. Hampstead Presenters: Jaclyn Reckow, Annalise Rahman-Filipiak, Adam Woods <i>Ballroom Salon 1</i>	Paper Session 10. Bipolar Disorder and Schizophrenia Moderator: Jimmy Choi <i>Maryland A-C</i>	Paper Session 11. MCI and Dementia Moderator: Heidi C. Rossetti <i>Virginia A-C</i>
3:15 – 3:30 PM	PM Coffee Break – Exhibit Halls B North (Exhibition Level)			
3:30 – 4:45 PM	Poster Session 9. Adult Medical – Exhibit Hall B North (Exhibition Level)			
3:30 – 5:00 PM	Symposium 10. Teleneuropsychology Coming of Age in Clinical and Research Applications Chair: Munro Cullum Discussant: Robert L. Kane Presenters: Lana Harder, Bert Vargas <i>Ballroom Salon 2-3</i>	Paper Session 12. Traumatic Brain Injury Moderator: Maria T. Schultheis <i>Ballroom Salon 1</i>	Paper Session 13. Alzheimer's Disease Moderator: Duke Han <i>Maryland A-C</i>	Paper Session 14. Neurophysiology and Neuroimaging Markers Moderator: Scott A. Langenecker <i>Virginia A-C</i>
5:00 – 6:00 PM	Plenary F (Birch Memorial Lecture). Medial Temporal Lobe Amnesia: Past, Present, and Future Presenter: Mieke Verfaellie <i>Ballroom Salon 2-3</i>			

Time	Saturday, February 17, 2018			
7:20 – 8:50 AM	CE Workshop 11. Neuropsychological Research in Hispanics/Latinos Living in the United States: The Case of HIV Presenter: Maria Marquine <i>Ballroom Salon 1</i>		CE Workshop 12. Cross-Cultural Neuropsychological Assessment: Challenges and Solutions Presenters: Alberto L. Fernandez, Jonathan Evans <i>Maryland A-C</i>	
9:00 – 10:15 AM	Poster Session 10. Cognitive Neuroscience, Neuromodulation, and Rehabilitation – <i>Exhibit Hall B North (Exhibition Level)</i>			
9:00 – 10:30 AM	Invited Symposium 5. Neuropolitics: Getting ‘Under the Hood’ of Political Attitudes, Identities and Behaviours in a Turbulent World Chair: Laura Cram Presenters: Jay Van Bavel, Ingrid Haas, Molly Crocket, Laura Cram <i>Ballroom Salon 2-3</i>	Symposium 11. Investigating Temporal Lobe Epilepsy with High Resolution Magnetic Resonance Imaging and Connectome Approaches Chairs & Presenters: Mary Meyerand, Bruce Hermann Presenters: Veena A. Nair, Vivek Prabhakaran <i>Ballroom Salon 1</i>	Paper Session 15. Aging Moderator: Vonetta M. Dotson <i>Maryland A-C</i>	Paper Session 16. Sleep, Stress, and Exercise Moderator: Justin E. Karr <i>Virginia A-C</i>
10:30 – 10:45 AM	AM Coffee Break – <i>Exhibit Hall B North (Exhibition Level)</i>			
10:45 – 12:00 PM	Poster Session 11. Executive Function, Language, and Memory – <i>Exhibit Hall B North (Exhibition Level)</i>			
10:45 – 12:15 PM	Symposium 12. Health-Promoting Activities as Protective Factors Underlying Disease Outcomes in MS Chair & Discussant: Peter Arnett Presenters: Margaret Cadden, Brian Sandroff, Robert Motl, Cristina Roman <i>Ballroom Salon 2-3</i>	Paper Session 17. Cancer Across the Lifespan Moderator: Jeffrey S. Wefel <i>Ballroom Salon 1</i>	Paper Session 18. Memory Function Moderator: Amanda Gooding <i>Maryland A-C</i>	Paper Session 19. Cerebrovascular Issues and Epilepsy Moderator: Michael Williams <i>Virginia A-C</i>
12:15 – 1:15 PM	Plenary G (Kaplan Memorial Lecture). Disembodied Minds and Embodied Brains Presenter: Vilayanur Ramachandran <i>Ballroom Salon 2-3</i>			
1:15 – 2:15 PM	Kaplan Lecture Luncheon <i>Ballroom Salon 1</i>			

PLENARY ADDRESSES



Michael D. Kopelman, PhD, INS President

King's College London, South London and Maudsley NHS Foundation Trust, Guy's and St Thomas's NHS Foundation Trust

Plenary A (INS Presidential Address). Anomalies of Autobiographical Memory

WEDNESDAY, 4:45–5:45 PM

Autobiographical memory alludes to personal recollection of past episodes and incidents. In clinical disorders, neurological or psychological, it can be affected in a variety of ways. This presentation will highlight examples, illustrated throughout by clinical case-examples and video-clips (and even the author's own minor brush with history), and it will review current explanatory theories.

Retrograde amnesia (RA) is a fascinating phenomenon, referring to loss of memories for autobiographical episodes and/or personal semantic facts which occurred before the onset of a brain disease or injury. The severity of RA is only loosely associated with the severity of anterograde amnesia, suggesting different underlying mechanisms. There are various theories of how and why RA occurs, and it will be (politely!) suggested that they all have their limitations.

Spontaneous confabulation refers to the unprovoked flow of erroneous memories, seen in some neurological patients, now thought to relate to damage in the ventro-medial and orbito-frontal regions of the frontal lobes. A recent study will be presented which tested between alternative theories of confabulation, finding damage to autobiographical memory and executive systems to be most critical to the 'rise and fall' of confabulation.

Psychogenic amnesia intrigues the media! It can be 'global' or 'situation-specific'. A recently published study of 53 cases has highlighted 4 different types of syndrome (or subgroups), and case-examples will again be given.

The study emphasised the psychosocial circumstances in which the amnesia occurs, and demonstrated different patterns of autobiographical memory loss across the subgroups, and with differential patterns of outcome.

Commonalities, controversies, and outstanding issues across these 'anomalies' of autobiographical memory will be spotlighted. I won't promise to stick to the conventional wisdom, but I'll try not to tread on too many toes!

Learning Objectives:

- Understand about theories of retrograde amnesia and their limitations.
- Understand about theories of confabulation and their limitations.
- Understand about theories of psychogenic amnesia and their limitations.

Speaker Bio: Professor Michael Kopelman is Emeritus Professor of Neuropsychiatry at King's College London (Institute of Psychiatry, Psychology, and Neuroscience), based at St Thomas's Hospital. He ran a Neuropsychiatry and Memory Disorders Clinic at St Thomas's until the end of March 2015. His first degree was in Psychology, and subsequently his PhD thesis was on the neuropsychology of memory disorders. He also qualified in medicine and neuropsychiatry, and has practised clinically as a Consultant Neuropsychiatrist while continuing research in neuropsychology throughout his career. He is a Fellow of the British Psychological Society, the Royal College of Psychiatrists, and the Academy of Medical Sciences. He was a founder member of, and has been a regular contributor to, the Memory Disorders Research Society. He is current President of the INS, and is past-President of the International Neuropsychiatric Association, the British Neuropsychological Society, and the British Academy of Forensic Sciences. He served on the Board of the INS from 1999 to 2002, and he has been a regular contributor to INS meetings. He has served on 12 editorial boards, including *Brain*, *Neuropsychologia*, *Cortex*, *Neuropsychology* and *JINS*, and he has refereed for over 60 scientific journals. His research has encompassed many aspects of memory disorders – including the amnesic syndrome (particularly retrograde amnesia), Alzheimer and semantic dementia, confabulation, psychogenic amnesia, amnesia for offences, and false confessions – as well as calculation disorders, sleep disorders, and neuro-imaging. Professor Kopelman was co-editor with Alan Baddeley and Barbara Wilson of the 2nd edition of the *Handbook of Memory Disorders*, published in 2002; and he was co-author with others of the 4th edition of *Lishman's Organic Psychiatry*, 2009, and co-editor of *Forensic Neuropsychology in Practice*, 2009. He was honoured to receive a Distinguished Career Award from the INS in 2013.



Earl K. Miller, PhD

Massachusetts Institute of Technology

Plenary B. Rule + Rhythms = Cognition

THURSDAY, 10:45–11:45 AM

Working memory, the "blackboard" of consciousness, is at the very center of cognition. By choosing what we hold in mind, we free ourselves from reflective reactions to the environment. For decades, it has been thought that sustained spiking activity was the neural correlate of working memory. It was an attractive idea: If neural spiking underlies thoughts, perceptions, etc. then sustained spiking should hold those things in mind. However, mounting evidence from our lab and others has revealed something more complex.

Underlying working memory are brief bursts of spiking activity, not sustained activity per se, and interplay between beta (20-35 Hz) and gamma (45-100 Hz) rhythms, (Lundqvist et al., 2016). This sparse activity and rhythmic interplay may allow the brain to juggle multiple stimuli that are simultaneously held in working memory.

Further, the interplay between beta and gamma rhythms may underlie the volitional control of working memory. We found evidence that gamma rhythms, which are linked to the bottom-up stimulus information held in working memory, are regulated by the beta rhythms. By contrast, top-down information, like learned rules, is expressed in beta. When sensory information needs to be cleared out of working memory, beta increases and gamma decreases, and there is a suppression of spiking carrying bottom-up stimulus information. This beta-gamma interplay also occurs as the animals read information out of working memory. In fact, when the animals made errors, the patterns of beta and gamma bursting gave insight into why errors were made.

In short, these data suggest a new model of working memory in which interplay between these different rhythms underlies the volitional control that turns on and off the faucet of working memory storage.

Learning Objectives:

- Gain a deeper understanding of working memory, its neural substrates, and the mechanisms that may underlie volitional control.

Speaker Bio: Earl Miller is the Picower Professor of Neuroscience at the Massachusetts Institute of Technology. He received his B.A. in Psychology from Kent State University in 1985 and his Ph.D. in Psychology and Neuroscience in 1990 from Princeton University. He has academic appointments in The Picower Institute for Learning and Memory and the Department of Brain and Cognitive Sciences at MIT.



Miguel Nicolelis, MD, PhD

Duke University, Edmond and Lily Safra International Institute for Neuroscience of Natal

Plenary C: Linking Brains to Machines: From Basic Science to Neurological Neurorehabilitation

THURSDAY, 5:30–6:30 PM

In this talk, I will describe how state-of-the-art research on brain-machine interfaces makes it possible for the brains of primates to interact directly and in a bi-directional way with mechanical, computational and virtual devices without any interference of the body muscles or sensory organs.

I will review a series of recent experiments using real-time computational models to investigate how ensembles of neurons encode motor information. These experiments have revealed that brain-machine interfaces can be used not only to study fundamental aspects of neural ensemble physiology, but they can also serve as an experimental paradigm aimed at testing the design of novel neuroprosthetic devices. I will also describe evidence indicating that continuous operation of a closed-loop brain machine interface, which utilizes a robotic arm as its main actuator, can induce significant changes in the physiological properties of neural circuits in multiple motor and sensory cortical areas. This research raises the hypothesis that the properties of a robotic arm, or other neurally controlled tools, can be assimilated by brain representations as if they were extensions of the subject's own body.

Learning Objectives:

- Explain the concept of the brain-machine interface and neuroprosthetic devices.
- Describe how brain-machine interfaces have influenced the development of a new generation of neuroprosthetics for treating neurological and psychiatric disorders.
- Learn about a new theory of brain function.
- Learn how a brain-machine interface can control an exoskeleton.

Speaker Bio: Miguel Nicolelis, M.D., Ph.D., is the Duke School of Medicine Distinguished Professor of Neuroscience at Duke University, Professor of Neurobiology, Biomedical Engineering, Neurology, Neurosurgery and Psychology and Neuroscience, and founder of Duke's Center for Neuroengineering. He is Founder and Scientific Director of the Edmond and Lily Safra International Institute for Neuroscience of Natal. Dr. Nicolelis is also founder of the Walk Again Project, an international consortium of scientists and engineers, dedicated to the development of an exoskeleton device to assist severely paralyzed patients in regaining full body mobility.



Sarah H. Lisanby, MD

Duke University

Plenary D: Where Neuromodulation and Neuropsychology Meet – Promoting Plasticity to Enhance Brain Health

FRIDAY, 9:00–10:00 AM

The advent of neuromodulation tools, such as transcranial magnetic stimulation (TMS), accelerated scientific discovery of the functional role of neural circuits in the brain. Because tools like TMS can modulate brain function, not just measure it, their availability has ushered in a new era for intervention development in which knowledge of circuits underlying illness can be used to develop circuit-guided therapies. While much of the work with these tools has focused on applying brain stimulation as a monotherapy, the ability to induce plasticity in targeted regions of the brain represents exciting opportunities for multi-modal strategies that combine neuromodulation with cognitive behavioral interventions. Using focal interventions like TMS, neuromodulation-induced plasticity can be targeted to key brain regions to promote learning during a cognitive behavioral intervention. Using less focal tools like transcranial direct current stimulation (tDCS), the impact on circuit function could be "functionally focalized" by having the individual engaged in a cognitive task during the stimulation. Multi-modal intervention development

represents an opportunity for the fields of neuromodulation and neuropsychology to converge in innovative ways that may advance understanding of brain-based disorders and may accelerate discovery of more effective treatments. This presentation will review the latest work coupling simultaneous neuromodulation and cognitive intervention for the enhancement of function, including studies on working memory and treatment of depression.

Learning Objectives:

- Articulate the state-of-the-art of neuromodulation tools for clinical intervention.
- Be able to discuss the scientific rationale for coupling neuromodulation with cognitive behavioral interventions to promote circuit function.

Speaker Bio: Dr. Lisanby is an internationally recognized expert in the field of brain stimulation. Her work is translational, spanning nonhuman primates, healthy humans, and clinical populations. JP Gibbons Endowed Professor with Tenure and former Department Chair of the Duke Department of Psychiatry, she founded and directed the Duke Brain Stimulation and Neurophysiology Division that encompasses interdisciplinary research labs spanning technology development, pre-clinical modeling, translational neuroscience, clinical trials, and clinical application. Prior to being recruited to Duke as Department Chair, Dr. Lisanby founded and directed the Columbia Division of Brain Stimulation, where she was Professor of Psychiatry. Dr. Lisanby has been PI on a series of NIH and DARPA funded studies on the development of novel neuromodulation technologies, including studies on the rational design of magnetic and electrical seizure therapies. Her team pioneered magnetic seizure therapy (MST) as a novel depression treatment from the stages of animal testing, first in human, and now international clinical trials. An experienced NIH-funded researcher, she has been PI of a series of R01 and U01 mechanisms involving transcranial magnetic stimulation (TMS) and other devices. Dr. Lisanby was PI of the series of studies that established the fMRI-guided TMS during working memory training to improve working memory performance in healthy volunteers, and to remediate working memory deficits following sleep deprivation. This paradigm has been extended to mitigate the effects of age-related decline in working memory. In October 2015, she took a leave of absence from Duke to serve as Director of Translational Research at NIMH, where she founded and directs the Neuromodulation Unit in the Experimental Therapeutics Branch in the NIMH Intramural Research Program. The Neuromodulation Unit specializes in the use of noninvasive neuromodulation tools to measure and manipulate neuroplasticity to improve human health. Dr. Lisanby co-leads the NIH BRAIN Initiative Team on large-scale recording and modulation devices.



Anne-Lise Pitel, PhD
Caen-Normandy University

Plenary E: Neuropsychology and Neuroimaging of Alcohol Use Disorder With and Without Korsakoff Syndrome: a Better Understanding for a Better Treatment

FRIDAY, 11:45 AM–12:45 PM

Alcohol Use Disorder (AUD) has harmful effects on brain structure and function. The Papez circuit and the frontocerebellar circuits are especially affected, resulting in impairments of episodic memory, working memory and ataxia. The severity of impairments in AUD patients lies along a continuum from mild to moderate, when in the absence of specific neurological complications, to severe, as occurs in Korsakoff syndrome (KS). In AUD without KS, neuropsychological deficits are mainly observed early in abstinence, typically when alcohol treatment is sought, required, or enforced. Yet, cognitive-behavioral approaches, psychoeducation and motivation to change drinking behavior require efficient cognitive abilities. Thus even in absence of KS, all AUD patients may not be cognitively ready or able to benefit from alcohol treatment. Alcohol-related brain dysfunction should be systematically detected to

optimize cognitive and brain recovery and to enhance the chances for successful alcohol treatment outcome.

In addition, some AUD patients without clinically detectable KS are at risk of developing this severe and persistent neurological complication. They could be identified based on their profile of specific cognitive deficits, brain abnormalities and thiamine level. The neuropsychological and multimodal brain imaging comparison of AUD patients with and without KS is not only clinically relevant, but also provides insight into the brain mechanisms involved in the natural history and evolution of the disease, including impending amnesia.

Learning Objectives:

- Recognize alcohol-related brain dysfunction.
- Use relevant screening tools to detect alcohol-related neuropsychological impairments.
- Identify brain dysfunction observed in AUD patients without neurological complications from those reported in Korsakoff patients.
- Choose alcohol treatment options adjusted to the cognitive profile.

Speaker Bio: Anne-Lise Pitel is currently an assistant professor at the department of Psychology of Caen-Normandy University in France. In 2007, she obtained a PhD in Neuropsychology in France under the supervision of Prof. Hélène Beaunieux and Prof. Francis Eustache. During her graduate training, she studied the effect of chronic alcohol consumption on cognition and behavior, notably by comparing memory and executive performance of patients with alcohol use disorder (AUD) with and without Korsakoff syndrome (KS). She then spent 3 years as a post-doctoral fellow at SRI International and Stanford University in California, where she received training in neuroimaging (structural, functional and perfusion MRI as well as DTI) of AUD from Prof. Edith Sullivan and Prof. Adolf Pfefferbaum. In 2011, she received funding from France to create her own research group focused on neuropsychology and neuroimaging of AUD. She has gained international recognition through her career work, having authored 50 peer-reviewed scientific articles and 8 book chapters among other publications.



Mieke Verfaellie, PhD
VA Boston Healthcare System, Boston University School of Medicine

Plenary F (Birch Memorial Lecture). Medial Temporal Lobe Amnesia: Past, Present, and Future

FRIDAY, 5:00–6:00 PM

Since the seminal reports of HM's profound memory impairment following surgical resection of the medial temporal lobes (MTL) bilaterally, detailed investigations of patients with amnesia have been invaluable in characterizing the impairment as well as the preservation of aspects of memory following MTL lesions. More recently, such studies have also demonstrated that patients with MTL lesions have cognitive impairments that extend beyond the domain of memory. This presentation will highlight insights gleaned from the study of MTL amnesia about the nature of the processes and representations mediated by the MTL. In addition, it will demonstrate how neuropsychological studies of amnesia have simultaneously sharpened distinctions between discrete aspects of memory and blurred distinctions between episodic memory and other cognitive functions.

Learning Objectives:

- Recognize which aspects of memory depend on the MTL.
- Describe functional specialization within the MTL memory system.
- Appreciate non-mnemonic impairments associated with MTL lesions.

Speaker Bio: Mieke Verfaellie, Ph.D. is a Senior Research Career Scientist at VA Boston Healthcare System and Professor of Psychiatry at Boston University School of Medicine. As Director of the Memory Disorders Research Center at VA Boston, she has studied patients with amnesia as a model system for understanding disorders of memory as well as a means of elucidating the cognitive and neural architecture of memory. More recently, she has also studied the cognitive and neural sequelae of traumatic brain injury and its interface with emotional trauma in military veterans. Her work has been funded continuously for over 25 years by the National Institutes of Health and the Department of Veterans Affairs. She is currently an Associate Editor for *JINS* and *Cognitive Neuropsychology*, and serves on the editorial board of *Neuropsychologia*, *American Psychologist*, and *Brain and Cognition*. She is a Fellow of the American Psychological Association – Clinical Neuropsychology and of the Association for Psychological Science.



Vilayanur Ramachandran, MBBS, PhD, Hon. FRCP, Hon. DSc

University of California, San Diego

Plenary G (Kaplan Memorial Lecture). Disembodied Minds and Embodied Brains

SATURDAY, 12:15–1:15 PM

Our goal is to revive the Golden age of neurology when Broca, Wernicke, Jackson, Goldstein Korsakoff, and others showed that we could draw conclusions about how the mind works by studying patients with focal brain lesions. Although single unit physiology, brain imaging, and other sophisticated tools are promising a revolution, old-fashioned case studies continue to yield new insights into how the brain works. The tradition was continued in the USA by Geschwind and many of his distinguished students including Edith Kaplan, whose 'Boston Process' approach, like my own, places less emphasis on detailed quantitative batteries. We begin with xenomelia- the desire to amputate oneself. Phantom limbs and phantom pain; RSD (CRPS), long regarded as intractable can be treated with mirrors. Even physical signs subside in a matter of minutes of visual feedback, which is a striking example of mind-body interactions. The mirror neuron system (MNS) allowed us to predict that an arm amputee watching the experimenter touch a volunteer hand will feel the touch on his own hand. This may be useful in the clinic as a phantom itch can be cured by watching a volunteer's body being scratched. Also if intersubjective synesthesia (the inborn version) watches the examiner tickle the volunteer then she herself laughs uncontrollably.

We also demonstrate in normal volunteers using convex mirrors that free will can appear delayed and/or alienation of self can occur. We then switch focus to synesthesia, letters evoking colors, demonstrate its

veracity and origin, and cross activation between grapheme and color neurons. Lastly we raise the question of how we use an internal mental calendar to keep track of appointments. 1 to 2 percent of people see the calendar like a circular hoola hoop around them. We used reaction time to demonstrate the effect was real and suggested that it may be mediated by connections from left angular gyrus with the brain's GPS in the hippocampus via the inferior longitudinal fascicles. We conclude by describing disturbances in self-awareness in Capers and xenomelia and point out that both are examples of Geschwind-Kaplan style disconnection syndromes.

Learning Objectives:

- Revisit the modular versus holistic view of brain function and emphasize the striking interactions between "specialized" brain modules. For example visual (mirror feedback) affecting pain.
- Learn about the astonishing degree of plasticity in the adult human brain which can be exploited therapeutically.
- Learn about the extent to which "high-level" cognition is embodied-i.e. anchored in a framework provided by the physical flesh of the body.

Speaker Bio: V.S. Ramachandran is Director of the Center for Brain and Cognition and Distinguished Professor with the Psychology Department and Neurosciences Program at the University of California, San Diego, and Adjunct Professor of Biology at the Salk Institute. Ramachandran initially trained as a physician (MBBS) at Stanley Medical College, Madras, India, and subsequently obtained a Ph.D. from Trinity College at the University of Cambridge. After that, he received an honorary FRCP; London (Fellow of the Royal College of Physicians) and two honorary doctorates (DSc). Ramachandran's early work was on visual perception but he is best known for his experiments in behavioral neurology, which, despite their apparent simplicity, have strongly influenced the way we think about the brain. He has been called "The Marco Polo of neuroscience" by Richard Dawkins and "The modern Paul Broca" by Eric Kandel.

In 2005 he was awarded the Henry Dale Medal and elected to an honorary life membership by the Royal Institution of London, where he also gave a Friday evening discourse. His other honours and awards include fellowships from All Souls College, Oxford, and from Stanford University (Hilgard Visiting Professor); the Presidential Lecture Award from the American Academy of Neurology, two honorary doctorates, the annual Ramon Y Cajal award from the International Neuropsychiatry Society, and the Ariens-Kappers medal from the Royal Netherlands Academy of Sciences. In 2003 he gave the annual BBC Reith lectures and was the first physician/psychologist to give the lectures since they were begun by Bertrand Russell in 1949. He also gave the annual Gifford Lectures in Glasgow (2012). In 1995 he gave the Decade of the Brain lecture at the 25th annual (Silver Jubilee) meeting of the Society for Neuroscience. Most recently the President of India conferred on him the second highest civilian award and honorific title in India, the Padma Bhushan, and TIME magazine named him on their list of the 100 most influential people in the world.

INVITED SYMPOSIA



Morris Moscovitch, Chair

Invited Symposium 1. Multiple Trace Theory (MTT) at 20: A Review of Theoretical, Empirical and Clinical Developments, and Future Directions

THURSDAY, 9–10:30 AM

Morris Moscovitch, Lynn Nadel, Gordon Winocur, Mary Pat McAndrews

Symposium Summary: Memory is not static, but can change with time and experience, from context-specific detailed (episodic) memories dependent on the hippocampus and related structures, to context-general gist-like or schematic memories that are dependent on extra-hippocampal, neocortical structures. Multiple Trace Theory (MTT) and Trace Transformation Theory (TTT) were proposed to account for the neural organization that underlies the retention and retrieval of both types of memory from acquisition to retention over long intervals. Our working hypothesis is that changes in memory representation are accompanied by corresponding changes in neural organization. In this symposium we review the theoretical, empirical and clinical contributions made by these theories, note some of their limitations, and consider future directions.

Chair's Bio: Morris Moscovitch holds the Glassman Chair in Neuropsychology and Aging at the University of Toronto. Born in Romania, he moved to Israel at four and to Canada at seven. In 1971, he joined the Mississauga (Erindale) Campus, and moved to the St. George Campus in 2000. Elected a University Professor in 2017, he is also a senior scientist at the Rotman Research Institute (1989-present), and was a visiting professor at the Hebrew University (1978-79; Institute for Advanced Studies 1985-1986), and at the University of Arizona (1996, 1999-2000).

Best known for his work on the cognitive and brain basis of memory, he also has made important contributions to research on face-recognition, attention, and hemispheric specialization. His component process model of memory posits that the neural structures mediating memory encoding, retention and retrieval depend on interactions between the nature of memory representations and task demands. His Multiple Trace Theory and Trace Transformation Theory account for hippocampal-neocortical interactions in systems level consolidation (see Moscovitch et al., Annual Review of Psychology, 2016). He has published over 300 papers, edited five books, and served as Co-Editor-in-Chief of *Neuropsychologia* and served on editorial boards of numerous journals. A Fellow of Divisions 3 and 6 of APA, of AAAS and of The Royal Society of Canada, Morris is the recipient of lifetime achievement/distinguished career awards for his research, including the Hebb Award (2007) and the William James Award (2008), and of teaching and mentorship awards from his department (2003), his University (2015) and Women in Cognitive Science (2005).

Symposium Abstracts:

1. Multiple Trace Theory at 20: A review of theoretical, empirical and clinical developments, and future directions (M. Moscovitch, L. Nadel, G. Winocur & M. McAndrews)
2. MTT: Origins and Predictions (L. Nadel)
3. Trace Transformation Theory and its Implications (G. Winocur)
4. Clinical Implications of Multiple Trace and Trace Transformation Theories (M. McAndrews)
5. MTT and TTT: Limitations and Future Directions (M. Moscovitch)



Robert L. Kane, Chair

Invited Symposium 2. Neurocognitive Function in Aerospace and Aeronautics

THURSDAY, 11:45 AM–1:15 PM

Robert L. Kane, Andrea Vincent, Gary Kay, Kimberly Seaton, Thomas Williams

Symposium Summary: This symposium presents an overview of the role neuropsychology plays in the US space program and in the medical certification of aviators. The Space Flight Cognitive Assessment Tool for Windows (WinSCAT) has been implemented on every expedition to the International Space Station. Preflight baselines are obtained and the test battery is administered on orbit to maintain proficiency. It can be used as needed to assess astronauts' cognitive status in response to adverse events.

Neuropsychological assessment also plays an important role in civil and military aviation.

In this symposium, Dr. Kane will present the history of the NASA WinSCAT program and review considerations for implementing this capability. Dr. Seaton from Johnson Space Center (JSC) will review the implementation of the WinSCAT program. The NASA-JSC protocol for cognitive assessment will be described along with lessons learned and future directions. From the beginning of the WinSCAT program there has been an emphasis on

refining decision rules used to identify nominal vs. off-nominal test performance. Dr. Vincent from the University of Oklahoma Cognitive Science Research Center will present an analysis using space and ground-based data pertaining to the refinement of decision rules. Dr. Williams from the NASA Behavioral Health and Performance Laboratory will present data from recent psychometric and criterion validation studies that also contributed to the development of astronaut related norms. Dr. Kay from Cognitive Research Corporation will provide an overview of the contribution of neuropsychologists to the FAA medical certification process when issues arise related to injury, medical and neurological disorders, substance abuse, and ADHD. His presentation will provide an overview of the FAA requirements for neuropsychological assessment of aviators, an introduction to the CogScreen test battery, and a description of training opportunities for this specialty area.

Chair's Biography: Robert L. Kane, Ph.D., ABPP-CN is a clinical neuropsychologist board certified by the American Board of Professional Psychology/American Board of Clinical Neuropsychology. He is a Fellow of the National Academy of Neuropsychology. Dr. Kane is President of Cognitive Consults and Technology, LLC, in Washington, D.C. He is in private practice and is a consultant to Medical Operations, NASA Johnson Space Center. He has been involved in the development of computerized testing since the late 1980s and was part of the development teams for automated batteries used by DoD and NASA. He served as Associate Director for Telemedicine at the VA East Coast Multiple Sclerosis Center of Excellence. He was program manager for the DoD Neurocognitive Assessment Tool Program at the Defense and Veterans Brain Injury Center and managed neuroscience programs for the Army Telemedicine and Advanced Technology Research Center. Recent academic appointments have been with the departments of neurology at the University of Maryland and Georgetown University medical schools. Dr. Kane co-edited, along with Dr. Thomas Parsons, a recently published volume, *The Role of Technology in Clinical Neuropsychology*, Oxford University Press.

Symposium Abstracts:

1. Neurocognitive Functioning in Space and Aviation (R.L. Kane, K. Seaton, T. Williams, A. Vincent & G. Kay)
2. Development of the Spaceflight Cognitive Assessment Program (R.L. Kane)
3. Neurocognitive Health During Space Flight (A. Vincent)
4. Aviation Clinical Neuropsychology (G. Kay)
5. Cognitive Assessment in Long-Duration Space Flight (K. Seaton)
6. WinSCAT Test-Retest Reliability in Senior Military Leaders (T. Williams)



April Thames, Chair

Invited Symposium 3. Challenging the Status Quo: Future Directions in Cultural Neuropsychology

FRIDAY, 10:15–11:45 AM

April Thames, Monica Rivera Mindt, Desiree Byrd, Jennifer J. Manly, Tedd Judd

Symposium Summary: The field of Clinical Neuropsychology has grown considerably over the past few decades. Part of this growth includes acknowledging the extent of the cultural, linguistic, and cognitive diversity of the global population, and challenging many of the existing paradigms and theories that have permeated the field. Despite many successes, challenges still remain with linking international efforts, having clear guidelines for what constitutes "cultural competence training", a general consensus on the scientific study of diversity issues, and directions for advocacy and policy implementation.

In order to continue our success, new benchmarks in the areas of research, education/training, advocacy and policy must be set with respect to issues of diversity and inclusion.

In a US response to this need, the Cultural Neuropsychology Summit, hosted by the Hispanic Neuropsychological Society, was held in June 2017 in Boston. The Summit brought together a diverse group of neuropsychologists to provide recommendations in the areas of research, education/training, and policy for US neuropsychology. We will present on the core recommendations that emerged from the Summit as well as progress updates. Dr. Monica Rivera-Mindt will present on the current state of training in cultural neuropsychology in the US as it pertains to cultural and linguistic competencies. Dr. Desiree Byrd will present on the latest recommendations for cultural neuropsychology research. Dr. Jennifer Manly will present on policy recommendations and advocacy training. Dr. Tedd Judd will present on neuropsychology efforts in other nations to address their diverse populations. Dr. April Thames will serve as Discussant. Consistent with the INS theme of "Connecting the present with the future," the goal of each presentation is to provide foundational steps for moving forward in cultural neuropsychology.

Chair's Biography: Dr. April Thames is an Associate Professor in the Department of Psychiatry and Biobehavioral Sciences and Director of the Social Neuroscience in Health Psychology (SNIHP) laboratory at the University of California Los Angeles. Dr. Thames is the Principal Investigator of several National Institute of Health (NIH) grant-supported projects, including an NIMH RO1 grant focused on racial disparities in cognitive aging among adults with HIV-infection. She has developed a translational research program in social neuroscience that focuses on the impact of health and social determinants on neurological and neurobehavioral outcomes. She has also been actively involved in studies that have examined psychosocial factors that obscure the validity of neuropsychological test performance among underrepresented ethnic/racial minority groups.

Symposium Abstracts:

1. Challenging the status quo: Future directions in Cultural Neuropsychology (A. Thames, M. Rivera Mindt, D. Byrd, J.J. Manly & T. Judd)
2. Integration of Cultural and Linguistic Competency into Neuropsychology Training (M. Rivera Mindt)
3. Cross cultural neuropsychological research: Developments and forecasts (D. Byrd)
4. Advocacy in Cultural Neuropsychology (J.J. Manly)
5. Global Neuropsychology Priorities (T. Judd)



Barbara Franke, Chair

Invited Symposium 4. From Genes to Behavior in ADHD – How is the Brain Involved?

FRIDAY, 1:45–3:15 PM

Barbara Franke, Marta Ribases, Janita Bralten, Stephen V Faraone

Symposium Summary: ADHD is characterized by sustained, age-inappropriate inattention and/or hyperactivity/impulsivity. ADHD has a childhood onset and often persists into adulthood. The disorder is highly heritable; its genetic component is based on the contribution of multiple genetic variants of limited effect size. Genetic factors linked to ADHD are thought to change over the lifespan, with only limited overlap between factors involved in disease onset and persistence.

Recently, the first genetic risk variants for childhood ADHD have been identified through genome-wide association studies (GWAS). As part of the International Multicenter persistent ADHD collaboration (IMpACT), we have now also performed the first GWAS of adult ADHD, and will present molecular genetics data on the genetic overlap between ADHD in childhood and adulthood.

At the phenotypic level, multiple studies have shown that ADHD forms the extreme of a distribution of behavioural traits present in the population. At the molecular genetic level, this continuum has now also been shown to exist. Opportunities arising from such findings – for ADHD as well as for other neurodevelopmental disorders – will be discussed during this symposium.

Downstream of gene-identification, it is important to map the pathways leading from genetic risk factor to disease. In this way, genetics research can contribute to the development of novel treatment approaches. As we will showcase during the symposium, such mapping should include the identification of molecular/cellular processes altered in patients and effects on the brain substrates of the disorder.

An important current discussion in the field of ADHD is the existence of an adult-onset form of the disorder, following several publications suggesting the occurrence of the disorder in the absence of childhood symptoms. However, it is currently unclear whether such findings represent artefacts of the assessment methods used. During the symposium, we will discuss current evidence.

Chair's Biography: Barbara Franke is a Professor of Molecular Psychiatry at the Radboud University in Nijmegen, The Netherlands, based at the departments of Human Genetics and Psychiatry of the Radboud University Medical Center. She is also Principal Investigator at the Donders Institute for Brain, Cognition and Behaviour in Nijmegen. At Radboud UMC, she is the Chief of the Division of Genome Research and Leader of the Radboud Research Theme Neurodevelopmental Disorders.

Educated as a molecular biologist in Giessen (Germany) and Utrecht (The Netherlands), she obtained her PhD in signal transduction in Utrecht before joining Radboud University, where she trained as a geneticist. She dedicates the work of her research group to understanding the genetic contribution to (neurodevelopmental) psychiatric disorders, especially attention-deficit/hyperactivity disorder (ADHD), autism spectrum disorders, and schizophrenia. In addition to gene-identification approaches involving common and rare genetic variation, she uses a battery of complementary interdisciplinary approaches to map the biological pathways leading from gene to disease. These include bioinformatics, cell and small animal models, as well as neuroimaging (genetics) approaches, which provide information at different levels of organismal organization.

She is the founder and coordinator of the International Multicentre persistent ADHD Collaboration (IMpACT) and the ECNP Network 'ADHD across the Lifespan'. She also is a cofounder and member of the central support group of the ENIGMA Consortium on neuroimaging (genetics), and senior lead for the ENIGMA ADHD Working Group. In addition, she leads two EU-funded international consortia on ADHD and related phenotypes, Aggessotype on aggressive behaviour (www.aggessotype.eu) and MiND on ADHD and autism (www.mind-project.eu), and leads work packages in 4 additional EU-funded consortia. Barbara Franke is an elected member of the Royal Netherlands Academy of Arts and Sciences, the Royal Holland Society of Sciences and Humanities, and Academia Europaea.

She is the author of over 380 peer-reviewed scientific publications. For more information, please see <https://orcid.org/0000-0003-4375-6572>.

Symposium Abstracts:

1. Attention-deficit/hyperactivity disorder (ADHD): emerging insights into a category at the extreme of a population continuum (B. Franke, M. Ribases, J. Bralten & S. Faraone)
2. Genetics of ADHD across the lifespan (M. Ribases)
3. Categories at the extreme of population distribution of behaviour – the real nature of neurodevelopmental disorders? (J. Bralten)
4. Adult onset ADHD – what is the evidence really? (S. Faraone)
5. From genes to behaviour in ADHD – how is the brain involved? (B. Franke)



Laura Cram, Chair

Invited Symposium 5. Neuropolitics: Getting 'Under the Hood' of Political Attitudes, Identities and Behaviours in a Turbulent World

SATURDAY, 9–10:30 AM

Laura Cram, Jay Van Bavel, Ingrid Haas, Molly Crockett

Symposium Summary: Kannheman (2009:525) argued that we are 'well on our way to the day when theoretical concepts about decision-making are shaped at least in part by findings from neuroscience'. Those at the forefront of developments in cognitive neuroscience have also argued that there is a need for greater integration between political theory and neuroscientific research (Damasio, 1994). The nascent field of neuropolitics (Jost et al., 2014) offers real potential to transform traditional approaches to the study of political attitudes, identities and behaviours and also raises new questions to be tackled by the cognitive neurosciences. In a turbulent international political environment, the contributors to this panel make a timely contribution to current political debates. Jay

Van Bavel discusses the impact of political partisanship on information processing and the prospects for de-biasing information processes. Molly Crockett analyses responses to moral outrage in modern digital communications. Ingrid Haas examines the effect of incongruent political behaviour by politicians. Laura Cram concludes with a discussion of social belonging, the dynamics of trust and implications for political legitimacy.

Chair's Biography: Laura Cram is Professor of European Politics and Director of NRI Labs Neuropolitics Research at the University of Edinburgh. Her lab uses social computational and experimental approaches, including fMRI brain scanning, survey experiments, behavioural games, face-emotion coding, eye-tracking and physiological hormone testing to get 'under the hood' of political attitudes, identities and behaviours.

Laura has published widely on the governance of the European Union (EU). She was awarded a prestigious ESRC transformative award for her research on 'Physiology, Identity and Behaviour: A Neuropolitical Approach'. She held a Senior Fellowship on the Economic and Social Research Council's UK in a Changing Europe programme during the Brexit referendum to explore the insights that cognitive neuroscience and political psychology could offer into contemporary debates on the UK's EU membership. Her research has been supported by the ESRC, British Academy, Carnegie Trust and Wellcome Trust.

Laura has acted as Special Advisor to the Scottish Parliament, European and External Relations Committee, on the Inquiry into the Impact of the Treaty of Lisbon on Scotland. She has provided evidence to the Houses of Lords and Houses of Commons in the UK and works closely with industrial partners and government officials in her research. She is cited in the *NYTimes*, *Christian Science Monitor*, *Economist*, *Financial Times*, *Irish Times*, *Telegraph*, *the Conversation*, *BBC*, *STV*, *Sky News*, *Al Jazeera*, *CNBC.com*, and *International Associated Press*. NRI Labs research has also featured in BBC documentaries on the psychology of decision-making.

Symposium Abstracts:

1. Neuropolitics: Getting 'Under the Hood' of Political Attitudes, Identities and Behaviours in a Turbulent World (L. Cram, J. Van Bavel, M. Crockett & I. Haas)
2. The Partisan Brain: A Value-Based Model of Political Belief (J. Van Bavel)
3. Political Ideology Moderates Neural Evaluation of Incongruent Policy Positions (I. Haas)
4. Moral Outrage in the Digital Age (M. Crockett)
5. Trust, Fairness and Social Belonging: The Neuropolitics of Legitimacy (L. Cram)

OFFICIAL SPONSORS

The International Neuropsychological Society wishes to thank its generous sponsors for their support of the INS 46th Annual Meeting and of the society's educational mission.

Through their sponsorship, these organizations make a valuable contribution to the success of the INS Annual Meeting and towards achieving the INS goals of further enhancing global-scale communication and collaboration between disciplines.



Pearson Clinical Assessment

The Birch and Kaplan Lecture Series are supported by an unrestricted educational grant from Pearson, in proud support of the INS educational mission. (The INS maintains control over all educational content and materials.)

Friday, 5:00–6:00 PM

Birch Lecture by Dr. Mieke Verfaellie
Ballroom Salon 2-3

Saturday, 12:15–1:15 PM

Kaplan Lecture by Dr. Vilayanur Ramachandran
Ballroom Salon 2-3

Pearson representatives look forward to meeting INS attendees at Exhibit Booths #21-23.

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Kessler Foundation

Kessler Foundation is the proud sponsor of the Friday Morning Coffee Break. Please join us in the Exhibit Hall and enjoy a hot beverage courtesy of our gracious sponsor!

10:00–10:15 AM

Friday AM Coffee Break
Sponsored by Kessler Foundation
Exhibit Hall B North

kesslerfoundation.org

Exhibit Hall

All Annual Meeting attendees are invited to stroll through the INS Exhibit Hall, located in **Exhibit Hall B North** on the Exhibition Level, during open hours posted below. Take advantage of discount prices on many journals, books, testing materials, and more, offered especially by our exhibitors for registered INS meeting attendees.

Exhibit Hall Hours:

Wednesday, February 14	2:00 PM–4:00 PM
Thursday, February 15	7:45 AM–1:15 PM and 2:15 PM–5:30 PM
Friday, February 16	8:00 AM–12:45 PM and 1:45 PM–5:15 PM
Saturday, February 17	8:00 AM–12:00 PM

46th Annual Meeting Exhibitors

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Student Raffle Donations

INS is extremely grateful and wishes to recognize the vendors listed below for their generous support of student attendees of the 46th Annual Meeting. Each vendor listed below donated a prize for the free raffle that will take place during the student social on Thursday night.

Guilford Press

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INS Awards Program

Awards Ceremony

Please join us in support of your deserving colleagues at the INS Awards Ceremony on Wednesday, February 14 at 5:45 PM in Ballroom Salon 2-3, where we will honor the recipients of this year's awards.

We wish to thank Roy Kessels and the Awards Committee, as well as Mark McCurdy 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* (the *Arthur Benton Award*), 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 *Paul Satz-INS Career Mentoring Award*, given in honor of Dr. Paul Satz and sponsored by PAR, Inc., 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 for each INS Meeting in recognition of the Meeting's most outstanding scientific contributions. For the Annual Meeting, program awards include the *Nelson Butters Award* for the most outstanding submission by a postdoctoral fellow, the *Phillip M. Rennick Award* for most outstanding submission by a graduate student, and the *Laird S. Cermak Award* for the best submission in the field of memory or memory disorders. In conjunction with the INS Program and Awards Committees, the INS Student Liaison Committee recognizes an additional five students for their meritorious abstract submissions at each INS meeting through the selection of the *SLC Student Research Awards*.

Nominations & Eligibility for the INS Awards Program

To inquire about award nominations, please visit the-ins.org or email INS@utah.edu.

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 Paul Satz-INS 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 the Annual and Mid-Year Meetings are screened and considered for eligible Program Awards.

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.

Roy Kessels has served as the Chair of the INS Awards Committee since February 2016.

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/about-ins/ins-awards/

Paul Satz-INS Career Mentoring Award, Sponsored by PAR: Anthony Y. Stringer



Dr. Anthony Y. Stringer (aka Tony) not only embodies the principal qualities of the Paul Satz INS Career Mentoring Award, as it applies to the field of Neuropsychology, but he also charts new territory through his consistent and remarkable ability to positively affect his mentees at the personal level. The fact that his nomination was co-sponsored by over 30 previous trainees, all of whom eagerly wrote letters of support, is testament to his profound impact. During his 30 plus years at Emory University, he created a remarkable training program that includes undergraduates, graduate students, interns, and post-doctoral fellows. This program is especially unique because it moves beyond the traditional consult-based service by integrating cognitive rehabilitation - it is sought by trainees from around the world. His teaching abilities reached near legendary status at Emory and warranted the creation of the "Dr. Anthony Y. Stringer Award for Excellence in Teaching," which is given to outstanding neuropsychology faculty. The majority of his former mentees have gone on to highly

successful academic and clinical positions and several have created training programs of their own, typically by emulating his approach.

One former trainee quoted the writings of Robert Frost, "I am not a teacher, but an awakener" to elegantly describe Tony's mentorship style. He seamlessly coordinates multiple responsibilities (training, clinical, research, service, personal) all while exciting and motivating those around him to excel. Tony is able to focus his trainees' enthusiasm and efforts to maximize their success. He not only listens to his trainees' needs but actually *hears* them and works tirelessly to ensure their success - even when it comes at his personal cost. In this way, he carefully crafts a training environment and associated mentoring relationship that is individualized, deeply meaningful, and unquestionably successful. He is regularly described by trainees as, "The best teacher I ever had" and "the person who made me the Neuropsychologist I am today." His knowledge and integrity become ingrained in trainees' psyches and were, humorously, captured by some on engraved bracelets that read "WWTD": What Would Tony Do?

Tony teaches that every patient is as an opportunity to learn, teach, and advance the field. Part scientist, part clinician, part philosopher, he approaches cases from multiple perspectives. He views his work as a privilege, which is unique in this time of healthcare uncertainty, and conveys this passion in such an infectious manner that his trainees look forward to supervision. They seek and obsess about a copy of the *Guide to Adult Neuropsychological Diagnosis*, in which Tony demonstrates the basis of his encyclopedic knowledge of brain-behavior relationships. Tony has a robust appreciation for the past that is not only exemplified in his teaching but also in his clinical work and associated writings. For

example, he co-edited *Pathways to Prominence in Neuropsychology: Reflections of Twentieth Century Pioneers*, which is an exploration of the history of neuropsychology with contributions from leading neuropsychologists who shaped the field as we know it today. Imparting such knowledge challenges trainees to be mindful of where the field is today and where it is headed in the future.

Tony has an extensive history of service to the field of Neuropsychology, including as President of the American Board of Clinical Neuropsychology (ABCN), and readily uses such connections to advance his trainees' interests. He was the first African American to earn board certification through the American Board of Professional Psychology in Neuropsychology and is a staunch advocate of diversity training and engagement.

He emphasizes and practices work-life balance. Tony is a former African drummer, an accomplished cook, and plays active roles in multiple non-profit organizations. He founded a program with a local Amnesty International Chapter that connected high school students in the Atlanta area with children who were forced to serve as soldiers in African nations. He also chaired a non-profit retreat and learning center that provides leadership training to youths and young adults.

Tony holds true to his beliefs but never forces them onto others, rather, they are organically integrated by each additional "generation" of trainee. He is challenging and demanding but unquestionably leads by example and holds himself to an even higher standard. We, and the field of Neuropsychology, thank him for providing a "true north" for our personal and professional lives.

The Arthur Benton Award for Mid-Career Research:

Laurel Buxbaum
Moss Rehabilitation Research Institute

ABSTRACT

Our ability to functionally use manipulative objects rests on a distributed left hemisphere network. Lesions to portions of this network result in a type of limb apraxia characterized by deficits in object action knowledge, while lesions elsewhere in the network are associated with deficits in action selection. Fueled in part by these findings, our laboratory has developed and (over two decades, elaborated) a cognitive neuroanatomical model of the mechanisms and architecture of a distributed two-stream network critical to the representation and selection of object-related actions. Called the "Two Action Systems Plus (2AS+)" framework, the model posits a complementary role for stored object manipulation knowledge ("action semantics") and online computations, and specifies the neurocognitive substrates of task-relevant action selection. This presentation will provide background on current controversies in the domain of object use and semantic manipulation knowledge, explain the 2AS+ architecture in the context of prominent two stream models in the language domain, and provide an overview of how the 2AS+ framework helps us to understand both healthy object use and apraxia.



INS Arthur Benton (Mid-Career) Award Presentation: Tools in the Mind: Objects and Actions in the Healthy and Damaged Brain

Thursday, February 15
2:15 to 3:15 PM
Delaware A-B

The INS Award for Early Career Research:

Marie-José van Tol
University Medical Center
Groningen, University of Groningen,
Department of Neuroscience

ABSTRACT

Major depressive disorder (MDD) is the most prevalent psychiatric disorder, affecting between 10 and 20 % of the world population at some point in their lives. MDD is characterized by a high risk for relapse after recovery (40% within 2 years). Therefore, understanding and changing the highly recurrent course of MDD is of high clinical and societal importance. In this talk, I will review results from the Netherlands Study of Depression and Anxiety (NESDA) Neuroimaging study (n=301), in which we studied risk factors, associations, and consequences of an unfavorable course of major depressive disorders. We investigated functional Magnetic Resonance Imaging (fMRI) characteristics associated with emotional processing, executive functioning, brain connectivity, in addition to structural brain characteristics. Results indicate differential predictors and consequences of an unfavorable course. Implications of these results for neurocognitive models of depression will be discussed. Additionally, a neurocognitive model of relapse and relapse prevention will be presented, which formed the basis of the NEW-PRIDE (Neurocognitive Working Mechanisms of Preventing Relapse in Depression) study. In this Randomized Controlled Trial, fMRI, pupillometry and neuropsychological assessments are employed to 1) understand the working mechanisms of preventive cognitive therapy for preventing relapse and 2) to develop neurocognitive predictors of individual treatment success. This study aims to contribute to effective preventive-treatment allocation, lower relapse-rates, and ultimately lower conversion into chronic-MDD by taking a neurocognitive approach.

Acknowledgement: Many thanks to André Aleman, Rozemarijn van Kleef, Dick J. Veltman, Nic J.A. van der Wee, Jan-Bernard Marsman, Claudi Bockting, Esther Opmeer, and Hui Ai for collaborations on the work presented during this talk.



INS Early Career Award Presentation: Neurocognitive Mechanisms Underlying Development, Course and Treatment of Major Depressive Disorder

Thursday, February 15
4:00 to 5:00 PM
Delaware A-B



Nelson Butters Award for best submission by a postdoctoral fellow

Lauren Salminen, University of Southern California, Imaging Genetics Center

#3. Hippocampal Subregion Abnormalities in Current and Lifetime PTSD: International Analysis from the PGC-ENIGMA PTSD Working Group

AUTHORS: L. Salminen, D. Veltman, S. Koch, M. van Zuiden, M. Olf, D.J. Stein, S. Koopowitz, J. Ipser, K.J. Ressler, J.S. Stevens, T. Jovanovic, S.J. van Rooij, S.J. van der Werff, L.A. Lebois, M.L. Kaufman, S.A. Gruber, S.B. Hill, J.D. Wolff, S.G. Disner, S. Seedat, L. Van Den Heuvel, S. Du Plessis, R. Bryant, M. Korgaonkar, T.G. van Erp, N. Soichiro, M. Hollifield, I. Liberzon, X. Wang, A. King, E. Geuze, K.A. McLaughlin, M. Peverill, P. Saemann, C.G. Abdallah, I. Harpaz-Rotem, I. Levy, K.M. Wrocklage, C. Haswell, N. Jahanshad, P.M. Thompson & R.A. Morey

Appearing in Paper Session 3. Mood and Anxiety Disorders (Thursday 11:45-1:15, Virginia A-C)

Objective: Impaired fear learning and memory are core features of post traumatic stress disorder (PTSD) that are subserved by the hippocampus. Some, but not all, studies report smaller hippocampal volumes in PTSD patients compared to controls, and this inconsistency may reflect underlying differences in hippocampal subregions across cohorts. We tested this in an international sample of patients and controls in the PGC-ENIGMA PTSD Working Group.

Participants and Methods: Hippocampal subregion volumes were identically computed in 15 cohorts worldwide (732 PTSD; 1,212 controls) using a harmonized protocol. We ran multiple regressions to examine group differences in subregion

volumes according to current PTSD (C-PTSD) in the full sample, lifetime PTSD (L-PTSD) and C-PTSD in a subsample with lifetime data (N=1196), and PTSD status after covarying for child trauma (N=821). Covariates for age, sex, cohort, and military vs. civilian status were included in all analyses.

Results: C-PTSD (vs. controls) was associated with smaller volumes in the bilateral hippocampal tail ($p < .001$; left $d = -.15$, right $d = -.16$) after false discovery rate (FDR) corrections. In subsample analyses, L-PTSD (vs. controls) was associated with larger CA3 volumes bilaterally ($p < .001$; left $d = .31$, right $d = .21$), and smaller volumes in the right presubiculum ($p < .001$, $d = -.22$). C-PTSD (vs. controls) was associated

with smaller left CA3 volumes ($p < .001$, $d = -.28$). Subregion associations with PTSD status were not detected after covarying for child trauma, and whole hippocampal volume was not associated with PTSD after FDR corrections.

Conclusions: Results suggest that subregion volumes are more closely associated with PTSD than whole hippocampal volume, and that L-PTSD and C-PTSD are uniquely associated with structural differences in the CA3 - an important structure for memory encoding and retrieval. We are recruiting additional cohorts to conduct highly powered analyses of hippocampal subregions and key variables related to PTSD (depression, alcohol use, child trauma).



Laird S. Cermak Award for best submission in memory or memory disorders

Karen Blackmon, New York University School of Medicine, Neurology

#5. Temporal lobe gray-white blurring and Wada memory impairment in MRI-negative temporal lobe epilepsy

AUTHORS: K. Blackmon, W. Barr, C. Morrison, W.S. MacAllister, M. Kruse, X. Wang, P. Dugan, A.A. Liu, O. Devinsky, R. Kuzniecky & T. Thesen

Appearing in Paper Session 19. Cerebrovascular Issues & Epilepsy (Saturday 10:45-12:15, Virginia A-C)

Objective: MRI-negative temporal lobe epilepsy (TLE) may be a distinct syndrome from TLE with mesial temporal sclerosis (MTS). Common imaging and neuropsychological features of TLE with MTS are well known; yet, distinguishing features in MRI-negative TLE are only beginning to be described. This study aims to identify quantitative MRI markers of memory impairment in MRI-negative TLE.

Participants and Methods: Gray and white matter blurring (GWB) from 34 cortical regions and hippocampal volumes were quantified and compared across 28 people with MRI-negative treatment resistant TLE (18 left; 10 right) and 51

healthy controls (HCs). Regions with abnormally elevated GWB were correlated with memory scores obtained from the Intracarotid Amobarbital Procedure (IAP; i.e., Wada test).

Results: There were no hippocampal volume abnormalities in patients with MRI-negative TLE. GWB was elevated across several temporal lobe regions ipsilateral to the seizure onset zone (superior temporal sulcus: $p = 0.0003$; temporal pole: $p = 0.0001$; parahippocampal: $p = 0.001$; entorhinal: $p = 0.002$). There was no relationship between hippocampal volume and IAP memory scores in left or right MRI-negative TLE; however, decreased ipsilateral IAP memory scores were correlated with elevated GWB in the ipsilateral

superior temporal sulcus of people with left MRI-negative TLE.

Conclusions: Localization of GWB abnormalities to the temporal lobe in people with MRI-negative TLE validates this metric as a measure of structural integrity in TLE. Extramesial temporal lobe GWB abnormalities were associated with decreased memory function. Thus, although hippocampal abnormalities might drive memory impairment in TLE with MTS, a loss of structural integrity in extramesial temporal lobe regions might be a marker for memory dysfunction in TLE without MTS. This suggests that reduced IAP memory scores do not necessarily implicate hippocampal pathology in MRI-negative TLE.



Phillip M. Rennick Award for best submission by a graduate student

Kaltra Dhima, University of Texas Southwestern Medical Center, Psychiatry

#3. A Preliminary Examination of Parkinson's Disease Subtypes and Associated Differences in Cognitive and Motor Symptom Trajectories

AUTHORS: K. Dhima, L.S. Hyman, G. Rodriguez-Larrain, S.M. McClintock, R.B. Dewey, D. German & L. Lacritz

Appearing in Paper Session 5. Parkinson Disease & Movement Disorders (Thursday 2:15-3:45, Virginia A-C)

Objective: Establishing distinct Parkinson's disease (PD) subtypes could inform physiological underpinnings related to PD's heterogeneous phenotype and progression. This study examined PD subtypes in recently diagnosed de novo patients based on multiple clinical variables and analyzed associated cognitive and motor symptom trajectories.

Participants and Methods: Subjects included 384 PD patients from the Parkinson's Progression Markers Initiative, assessed at baseline (T1) and 4 years (T2). Variables included PD onset age and motor, cognitive, psychiatric, and behavioral measures (MDS-UPDRS, Animal Fluency, B-JLO, SDMT, WMS-III LNS, HVLt-R, MoCA, GDS-15, STAI, ESS, RBDQ, MS&E-ADL,

UPSIT, QUIP-RS, SCOPA-AUT). DaTscan SPECT (caudate/putamen) and CSF biomarkers (α -synuclein, A β 1-42, total tau, P-tau181P) were also included. T1 subtypes were extracted via hierarchical Ward's cluster analysis with squared Euclidean distances. Repeated measure ANCOVAs (covarying for levodopa dose at T2) were used to analyze differences in motor and cognitive function between subtypes across time.

Results: A 3-Cluster solution was found based on 1) low, 2) medium, and 3) high CSF biomarker concentrations with respective 1) high and 2) low anxiety scores. Repeated measure ANCOVAs found Cluster 1 performed significantly worse over time on visuospatial function (B-JLO; $p = .02$)

and verbal memory [HVLt-R delay ($p = .03$) and recognition discrimination ($p = .03$)] vs. Clusters 2 and 3. No significant differences emerged for motor measures over time.

Conclusions: This study found that recently diagnosed de novo PD patients with higher anxiety and lower CSF concentrations of α -synuclein, A β 1-42, total tau, and P-tau181P exhibited worse memory and visuospatial function over a 4-year period. The extent to which this is associated with distinct subtypes warrants further investigation. However, these findings suggest that anxiety and CSF biomarkers could be used to help predict risk for cognitive decline and inform the development of personalized medicine in PD.

SLC AWARDS

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

These awards are presented to the five highest-rated abstracts from among all first-author student research submissions. Winners are selected for their quality in research design, novelty in scientific approach, clarity in communication of study results, and significance to the field of neuropsychology. Each awardee receives \$200 USD to assist with expenses related to conference attendance.



Tatiana Karpouzian

Northwestern University,
Psychiatry and
Behavioral Sciences

- #3. Reduced Task-Evoked Pupillary Response on an Executive Control Task in Individuals across the Psychosis Spectrum and Relatives with Elevated Psychosis Spectrum Personality Traits**
AUTHORS: T. KARPOUZIAN, J. SWEENEY, L. RUBIN, B. CLEMENTZ, E. GERSHON, M. KESHAVAN, G. PEARLSON, C. TAMMINGA & J. REILLY

Appearing in Paper Session 10. Bipolar Disorder and Schizophrenia
Friday, 1:45 PM-3:15 PM, Maryland A-C



Tanya Nguyen

University of California,
San Diego, Psychiatry

- #6. Apolipoprotein E (APOE) Genotype is Associated with Poorer Executive Function in Bipolar Disorder**
AUTHORS: T.T. NGUYEN, A.N. SUTHERLAND, T. SHEKHTMAN, J. KELSOE & L.T. EYLER

Appearing in Paper Session 10. Bipolar Disorder and Schizophrenia
Friday, 1:45 PM-3:15 PM, Maryland A-C

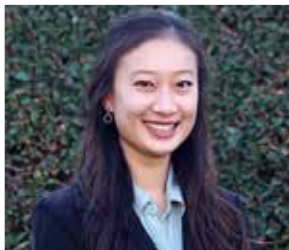


Zinat Taiwo

Georgia State University

- #3. Sleep Fragmentation is Related to Altered Structural Brain Volume among Older Adults Free of Dementia: The Vanderbilt Memory & Aging Project**
AUTHORS: Z. TAIWO, J.E. NEAL, D. LIU, K.E. OSBORN, K.R. PECHMAN, F.S. BADAMI, H.A. KRESGE, T.M. SHONE, J.E. BOGNER, S.L. LAMBROS, C. SEABOLT, J. THOMPSON, L. WALLJASPER, S.P. BELL, L. ACOSTA, K. GIFFORD, T.J. HOHMAN, K. BLENNOW, H. ZETTERBERG & A.L. JEFFERSON

Appearing in Paper Session 16. Sleep, Stress, and Exercise
Saturday, 9:00 AM-10:30 AM, Virginia A-C



Michelle You

University of California,
San Francisco

- #3. Subjective Cognitive Symptoms Predict Cognitive and Structural Brain Aging Trajectories in Otherwise Healthy Older Adults**
AUTHORS: M.Y. YOU, K.B. CASALETTO, A.M. STAFFARONI, R. SALONER, P. MUMFORD, E. FOX, M. ALTENDAHL, J. STIVER & J.H. KRAMER

Appearing in Paper Session 8. Neurocognitive Trajectory and Aging
Thursday, 4:00 PM-5:30 PM, Virginia A-C



Jessica Zakrzewski

University of Florida,
Clinical and Health
Psychology

- #1. Effect of Treatment on Neurocognitive Function in a Treatment Seeking Sample of Individuals with Hoarding Disorder**
AUTHORS: J.J. ZAKRZEWSKI, S. MACKIN, C. CHOU, S.Y. UHM, L. BAIN, S.J. STARK, M. GAUSE, O.R. VIGIL, J. FRANKLIN, M. SALAZAR, J. PLUMADORE, L.C. SMITH, K. KOMAIKO, G. HOWELL, E. VEGA, J. CHAN, M. ECKFIELD, J.Y. TSOH, K. DELUCCHI & C.A. MATHEWS

Appearing in Paper Session 3. Mood and Anxiety Disorders
Thursday, 11:45 AM-1:15 PM, Virginia A-C



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International Neuropsychological Society 2018 Mid-Year Meeting

Bridging Science and Humanity

July 18–20, 2018, Prague, Czech Republic



Dear colleagues, dear friends,

We are pleased and honored to announce that the INS mid-year meeting, in association with the Czech Neuropsychological Society, will be held in Prague, the beautiful capital of the Czech Republic and the reputed „Heart of Europe“.

The conference theme, „Bridging Science and Humanity,“ was inspired by Prague’s location at a crossroads of diverse cultures, languages, and political and economic systems.

In line with the conference theme, the 2018 INS mid-year meeting in Prague will focus on the following topics:

- The practice of neuropsychology in an increasingly globalized and diverse world
- The neuroscience of key human processes, such as morality, ethics, or political and economic decision making
- The application of science to humane and holistic patient care

We look forward to seeing you at INS-CENES Prague 2018!



Lenka Kramská

President

Czech Neuropsychological Society

www.cenes.cz



Keith Yeates

President

The International Neuropsychological Society

www.the-ins.org



Meeting Venue

Prague Congress Centre

5.května 65, 140 21 Prague 4, Czech Republic

www.kcp.cz

Call for abstracts:

ins2018.guarant.eu/abstracts

The abstract submission deadline is February 28, 2018.
No late submissions will be accepted.

Registration is open:

www.ins2018.org/registration

Deadline for early registration is May 14, 2018.



www.ins2018.org

The International Neuropsychological Society (INS) is a multidisciplinary, international organization dedicated to enhancing communication among the scientific disciplines that contribute to the understanding of brain-behavior relationships and to promoting the international and interdisciplinary study of these relationships throughout the lifespan. The Society's emphasis is on science, education, and the applications of scientific knowledge.

INS members include cognitive and clinical neuropsychologists and psychologists, neurologists, psychiatrists, speech-language pathologists, and specialists of related disciplines. They include esteemed scientists and clinicians from the world's most prestigious universities and institutions, private practitioners, and trainees just embarking on their careers.

INS Annual & Mid-Year Meetings

INS holds two meetings per year that provide a venue for cognitive and clinical neuroscientists from around the world to share their research and increase their understanding of the driving forces behind cognition and behavior.

The **INS Annual Meeting** is held in North America every February and the **INS Mid-Year Meeting** is held internationally every July. Each meeting offers three to four days of scientific and continuing education programming. Both INS meetings are open to members and non-members, and to professionals and trainees of all levels. Attendees represent neuropsychology and a variety of other disciplines.

Contact the INS at:

The International Neuropsychological Society (INS)
2319 South Foothill Drive, Suite 260,
Salt Lake City, Utah 84109, USA
Phone: 801-487-0475 | Fax: 801-487-6270
Email: INS@utah.edu | www.the-ins.org

New Members Welcome!

INS welcomes new members! Prospective members may learn more about the Society and complete an online membership application at www.the-ins.org.

Benefits of Membership:

Discounted registration & CE rates at INS meetings

Expand your network » Meet and get to know fellow members from all over the globe by attending an INS meeting, or through the expanded INS website

FREE access to JINS » Available ONLY to INS members! Electronic access to JINS includes all previous years of publication—or pay just \$54 per year to receive the print edition by mail (including all 10 print issues)

INS Member Directory » Exclusive online access for members only

INS Newsletter » Exclusively for INS Members! Keeping you current with both INS news and current events around the globe in Neuropsychology

Video Interviews of Neuropsychology Leaders » Member-only access of interviews with major thought leaders in the field and will include the Birch and Kaplan Lectures

Prestigious awards » Nominate or be recognized for work in the field of neuropsychological science and education

Get involved » Become active with committees or board leadership, and help guide the future of INS

INS Listserv » Especially for students and trainees

Be a leader » Work with the INS-SLC (Student Liaison Committee) or mentor a student associate member

Give back to your community » Help support neuropsychology in developing countries

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Future INS Meetings

2018 Mid-Year Meeting	18-20 July 2018
47th Annual Meeting	20-23 February 2019
2019 Mid-Year Meeting	July 2019
48th Annual Meeting	5-8 February 2020
2020 Mid-Year Meeting	1-4 July 2020
49th Annual Meeting	3-6 February 2021

Prague, Czech Republic
New York City, New York, USA
Rio de Janeiro, Brazil
Denver, Colorado, USA
Vienna, Austria
San Diego, California, USA



MORE ABOUT INS

INS Leadership

Board of Governors

The INS Governing Board is comprised of 14 elected members, including five officers and nine members-at-large. Current board members are listed below.

Officers

Presiding President: Michael D. Kopelman
Incoming President: Keith O. Yeates
President Elect: Vicki A. Anderson
Treasurer: Bruce P. Hermann
Secretary: Michael McCrea

Members-At-Large

John DeLuca
Jonathan Evans
Alberto Fernández
Erik Hossen
Robin Morris
Marc A. Norman
Yana Suchy
Martine van Zandvoort
Jennifer Vasterling

Committee Chairs

INS has several permanent committees that exist to assist with society operations, as well as ad hoc committees. INS members are encouraged to become more involved through committee service. If you are interested in volunteering, please contact an INS committee chairperson listed below, or contact INS@utah.edu to inquire about ad hoc committee opportunities.

Awards Committee

Chair: Roy Kessels

Continuing Education Committee

Chair: Raul Gonzalez

International Liaison Committee (ILC)

Chair: Jonathan Evans

Publications Committee

Chair: Jennifer Manly

Student Liaison Committee (SLC)

Chair: Mark McCurdy

Task Forces

INS Task Forces were formed in 2015 to address strategic goals in several areas, including **Membership** (Task Force Chair: Yana Suchy), **Education** (Task Force Chair: John DeLuca), **Science** (Task Force Chair: Keith Yeates), and **Effectiveness** (Task Force Chair: Marc Norman).

INS Special Interest Groups

Are you looking for a way to connect with other INS members who share an interest in a specialized area of neuropsychology? Do you look forward to discussing professional issues, recent research, or the future of our field with others? Then look no further—INS Special Interest Groups (SIGs) are here!

Based on strong interest among INS membership, the Board of Governors has endorsed the establishment of SIGs in an effort to foster international collaborations and interactions among INS members. SIGs will provide a forum for INS members with common interests to come together during INS meetings.

More information about SIGs is available at the-ins.org. Questions can be directed to INSScientificCommittee@gmail.com.

Special Interest Group Meetings in Washington DC

Thursday from 1:15-2:05 PM (Delaware A-B)

Thursday from 1:15-2:15 PM (Roosevelt 2) &
Friday from 12:45-1:45 PM (Roosevelt 2)

Friday from 12:45-1:35 PM (Delaware A-B)

INS Special Interest Group (SIG) Meeting: Oncology

Oncology SIG members and those interested in joining are invited to discuss SIG development

Open meeting for development of new INS Special Interest Groups (SIGs)

INS members interested in the development of new SIGs are invited to an informal meeting to network with other INS members

INS Special Interest Group (SIG) Meeting: Epilepsy

Epilepsy SIG members and those interested in joining are invited to discuss SIG development

CONTINUING EDUCATION PROGRAM

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 optional CE credit for attending plenary sessions.**

How to Obtain CE Credits After Registering

First, you must submit an attendance slip to be eligible for CE credit. Please take the attendance slip from the proctor as you enter, complete it during the session, and return it to the proctor as you exit (your attendance at the whole session must be documented in order for credits to be granted).

An online evaluation must also be completed for each course. Once the evaluation is completed, a certificate of completion may be downloaded. Evaluations will be available online at the INS website by approximately 24 hours after each session has concluded.

To access online evaluations, visit the-ins.org, then follow the link on the home page to obtain CE credits for the 2018 Annual Meeting.

CE Workshops

You must register for CE workshops in advance. Only pre-registered participants may attend CE workshops.

Your name badge is required for admittance to CE workshops, and will contain the session number of any CE sessions for which you are registered.

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).

Plenary Sessions

All plenary sessions are offered for one hour of optional CE credit. In order for credit(s) to be granted, you must register for the plenary CE option and pay a credit-based fee—either before the session or after it is over—and you must meet all CE requirements listed on this page.

Please Note: In order to receive CE credit for participation in a plenary session, either now or at a later time, attendees must submit a completed attendance slip for that session. **No credits can be granted without submission of completed attendance slips.**



APA Continuing Education

The International Neuropsychological Society is approved by the American Psychological Association to sponsor Continuing Education for psychologists. INS maintains responsibility for this program and its content. Up to 17.5 credit hours are available for this program. All CE sessions are geared for advanced level instructional activity.



pathology and audiology. See course information for number of ASHA CEUs, instructional level and content area. ASHA CE Provider approval does not imply endorsement of course content, specific products or clinical procedures.

The International Neuropsychological Society is approved by the Continuing Education Board of the American Speech-Language-Hearing Association (ASHA) to provide continuing education activities in speech-language

ASHA Continuing Education

ASHA-approved continuing education units (CEUs) are available. This course is offered for up to 1.75 ASHA CEUs (Advanced Level, Professional area).

To receive ASHA credit, interested participants must complete the separate ASHA CEU form that is available upon request from the INS registration desk (participants must track each for-credit course on this form, and submit the completed form to the INS desk at the conclusion of the meeting).

ASHA will award credits after the meeting is over.

3-Hour CE Workshops (Wednesday)



Jack M. Fletcher, PhD, ABPP

CE Workshop 1. Test and Treat or Treat and Test? Scientific and Ethical Issues in Neuropsychological Approaches to Learning Disabilities Wednesday 9 AM–12 PM

Neuropsychologists are commonly called upon to evaluate and treat children with highly prevalent learning disabilities (LDs). But the role of the neuropsychologist is not well-defined and not always aligned with contemporary scientific research. In a recent 2017 exchange in *Archives of Clinical Neuropsychology*, Fletcher and Miciak and Schneider and Kaufman (2017) argued over the relative merits of the assessment of cognitive processes associated with LDs, with Schneider and Kaufman concluding that “the existing evidence base that demonstrates the value of comprehensive cognitive assessments for this purpose is not nearly as strong as it needs to be.” This workshop outlines the views of Fletcher and Miciak, who argued for reduced emphasis on cognitive processes in favor of comprehensive evaluations of academic performance and comorbid conditions in an effort to develop well-defined intervention plans for children with these disorders. The current status of research on LDs will be discussed, integrating cognitive, neurobiological, and educational perspectives. The implications for assessment and intervention will be reviewed with an emphasis on the ethical importance of aligning practice with research. Effective interventions for LDs will be discussed with the goal of collecting assessment data that will allow the neuropsychologist to prescribe evidence-based interventions as part of a comprehensive evaluation. By knowing the nature of the academic disabilities and associated disorders (e.g., ADHD, anxiety), the neuropsychologist can provide evaluations that target effective intervention based on a thorough understanding of the current evidence-base on LDs.

Learning Objectives:

1. Gain a deeper understanding of contemporary approaches to neuropsychological assessment and intervention of learning disabilities
2. Discuss current scientific research on learning disabilities, including cognitive, neurobiological, and educational perspectives
3. Appreciate potential ethical issues that may emerge when clinical practice is not aligned with research
4. Prescribe effective interventions for children with LDs and comorbid conditions



Michael Johnston, MD (Lead Presenter)
Gwendolyn Gerner, PsyD
Joanna Burton, MD, PhD

CE Workshop 2. Role of Neuroplasticity in Outcomes from Perinatal Brain Injuries Wednesday 9 AM–12 PM

Brain plasticity is enhanced in the developing brain and strongly influences the outcome from brain injuries in fetuses and neonates. To provide a clinical framework for understanding the influence of plasticity in these injuries, it is convenient to classify plasticity into four major types: 1) adaptive plasticity, which is shaped by experiences such as language development and learning to play a musical instrument; 2) impaired plasticity due to diverse types of genetic and environmental influences; 3) excessive or dysfunctional plasticity such as phantom pain after loss of a limb or dystonia due to repetitive movements; 4) plasticity as the “Achilles Heel” in which heightened plasticity during development creates vulnerability to over-stimulation of specific excitatory neurotransmitter circuits in the brain.

The expected audience for this symposium will be neuropsychologists interested in brain development, injury and plasticity, and no past experience with brain imaging or neonatal intensive care is required.

Learning Objectives:

1. Understand the major types of brain plasticity during development and recognize their role in the outcome of a variety of insults to the fetal or neonatal brain
2. Recognize the major cognitive and behavioral outcomes of injuries to the fetal or neonatal brain as assessed by brain magnetic resonance imaging and ultrasound brain imaging as well as standardized behavioral and neurological testing in the newborn intensive care unit (NICU)
3. Recognize the major cognitive and behavioral outcomes of injuries to the fetal or neonatal brain as assessed by brain imaging and neuropsychological testing in toddlers who have graduated from the NICU



Stephen E. Nadeau, MD (Lead Presenter)
Irene Minkina, PhD
Lisa Edmonds, PhD

CE Workshop 3. Language Foundations in Population Encoding Networks and Implications for Aphasia Therapy Wednesday 9 AM–12 PM

One of the great challenges of cognitive neuroscience has been accounting for cognition in terms of the activity of 100 billion neurons – lipid bilayer encased electrochemical entities that are interconnected on a vast scale by synapses. We now know that representations in the brain are population-encoded, reflecting patterns of activity of millions or billions of neurons. Forty years of research in the field of parallel distributed processing have substantially defined the unique capabilities conferred by networks supporting population encoded representations (e.g., content addressable memory, working memory, representation of frequency and age of acquisition effects, the power of regularities wired into network connectivity, and graceful degradation) and the constraints they impose.

Any domain of cognitive function can be understood on this basis but language provides

particularly broad and granular insight into how the neurodynamics operate. This course will begin with an introduction to cerebral foundations of language function viewed through the lens of population encoding. We will then consider the implications for aphasia therapy with a particular focus on mechanisms of generalization: the extension of the benefits of aphasia therapy to untreated exemplars and everyday verbal communication. The last hour of the session will be devoted to two specific therapies for anomia in aphasia, phonomotor and semantic, that intrinsically generalize because they build on regularities in acquired knowledge wired into neural connectivity. The target audience will be participants with intermediate or advanced knowledge of language function.

Learning Objectives:

1. Understand cerebral foundations of language function viewed through the lens of population encoding
2. Consider the implications for aphasia therapy with a particular focus on mechanisms of generalization
3. Become familiar with two specific therapies for anomia in aphasia, phonomotor and semantic



Amy J. Jak, PhD

CE Workshop 4. Assessment and Treatment of Postconcussive Symptoms in Veterans: Rethinking the Role of Concussion Wednesday 1–4 PM

Protracted recovery from trauma is notable in Veterans; those with a history of concussion endorse more severe PTSD and neurobehavioral symptoms than those without history of concussion. Polytrauma presentations with comorbid mental health conditions complicate recovery from both physical and psychological disorders, magnify cognitive complaints, and contribute to poor functional outcomes. Cognitive complaints in the post-acute period after concussion are nonspecific symptoms, however, and arise from numerous, often non-neurological, sources. Neuropsychological assessment and intervention, therefore, needs to take into account the multitude of factors perpetuating cognitive symptoms, including misattribution of symptoms, pain, sleep, mental health conditions, history of TBI, and/or other medical conditions. This workshop will delineate the unique challenges of assessment and rehabilitation of Veterans with persistent postconcussive symptoms and will describe treatment options for this population, including novel treatments targeting common comorbidities. The workshop will highlight the importance of reducing emotional distress in Veterans as key to attenuating neurobehavioral symptom reporting and cognitive complaints but will also discuss cases where concussion history may more prominently figure into the assessment and treatment picture. Though the workshop focus will be on the Veteran population, the topics covered will also have applicability to civilians with persistent postconcussive symptoms.

Learning Objectives:

1. Describe the neuropsychological presentation of treatment-seeking Veterans with history of concussion and persistent cognitive complaints
2. Recognize both neurological and non-neurological factors impacting functioning in this population
3. Identify treatment options for individuals with cognitive complaints in the post-acute period following concussion



Beatriz Luna, PhD

CE Workshop 5. How Adolescence Specializes The Brain to Establish Adult Modes of Operation

Wednesday 1-4 PM

Adolescence is a unique period of development when there is an adaptive increase in exploration underlied by sensation seeking that can lead to risk-taking behavior undermining survival. This is also a time of risk for the emergence of psychiatric disorders. Identifying the specific brain processes that are undergoing plastic change through adolescence can inform mechanisms underlying vulnerability to mental illness but also provide opportunities to influence developmental trajectories. The workshop will begin by reviewing the evidence on the specific changes that occur in normative adolescent brain maturation followed by multi-modal neuroimaging evidence identifying functional brain changes supporting cognitive development. Next, we will examine how neurodevelopment can become impaired in psychopathology including future next steps for correcting trajectories. This workshop aims to build from basic knowledge to an intermediate and advanced understanding of adolescent brain development. Specifically, evidence will be presented describing changes in brain structure, from the molecular to systems levels followed by evidence examining brain connectivity and changes in brain systems that support cognitive maturation. A model will be presented that proposes that foundational aspects of neurocognition, including the prefrontal cortex, are on-line by adolescence. However, the engagement of these neurocognitive systems stabilizes into adulthood as affective (reward and emotion) systems attenuate and processes that support the integration of experience are prioritized. Vulnerabilities for impaired development in psychopathology will build from the understanding of normative development and variability in trajectories that can lead to impaired outcomes.

Learning Objectives:

1. An understanding of the changes that occur in brain physiology specific to the adolescent period
2. Gain insight into how cognition is supported by the brain processes available in adolescence
3. Have increased awareness of how development can lead to impairment such as mental illness



Lisa Jacobson, PhD, ABPP-CN (Lead Presenter)
Andrew Zabel, PhD, ABPP
Alison Pritchard, PhD

CE Workshop 6. Ethical Practice in a Learning Healthcare System: Tomatoes, Technology, and the Marriage of Clinical Practice and Research

Wednesday 1-4 PM

As a result of technological advances, healthcare systems are now, more than ever before, positioned to utilize the information generated by patient care in the service of improving and personalizing patient care. A Learning Healthcare System (LHS) framework is discussed for making sense of the intersection of clinical care and research and guiding ethical practice of neuropsychology. Under this framework, the commitments and responsibilities of the patient and the healthcare provider/system are delineated, and both practical and ethical

implications of thorough integration of research and practice will be considered. To demonstrate this framework, specific strategies and applications of technology to both clinical practice and research will be presented, including "lessons learned" through the presenters' own DIY experience and development of clinical triage algorithms to improve efficiency and precision of neuropsychological practice. The ethical considerations of implementing such changes in practice will be reviewed, including unique clinician responsibilities and challenges associated with patient information acquired via LHS technologies and screening methodologies. Finally, methods for disseminating quality improvement information gained through analysis of patient care will be discussed, both for clinician guidance within the LHS as well as outside of it (e.g., national organizations, other health care systems).

Learning Objectives:

1. Become familiar with the concept of a Learning Healthcare System
2. Describe applications of technology to clinical and research practice
3. Identify ethical challenges and considerations of incorporating technology into practice within a Learning Healthcare System

1.5-Hour CE Workshops (Thursday)



Ruben C. Gur, PhD

CE Workshop 7. "Precision Neuropsychology": Neuropsychological Assessment in the "Precision Medicine" Revolution

Thursday 7:20-8:50 AM

Neuropsychologists have pioneered advances in cognitive neuroscience that capitalize on structural and functional neuroimaging methods, yet their clinical tools and training are still based predominantly on laborious testing procedure validated with outdated "clinical-pathological" correlations methodology. Furthermore, clinical expertise is still couched in categorical diagnostic nomenclature that does not cut at the biological joints. Medicine is undergoing transformation from symptom-based to mechanism-based diagnosis where genomic data are integrated with "biomarkers" to generate individualized detection, prevention and intervention. This approach requires large-scale studies and clinical investigators and practitioners who can integrate their toolkits with multimodal brain behavior parameters. The workshop will describe an approach for deploying fast and effective neurocognitive assessments that are firmly rooted in modern neuroscience and permit precise statements linking behavioral domains to brain systems across diagnostic categories. The workshop will illustrate how a future neuropsychologist can go beyond psychological tests summarized with vague and tentative statements on involvement of brain systems. Neuropsychologists can lead the design and integration

of multimodal neuroimaging data and be important parts of the multidisciplinary team crafting mechanism-based diagnoses. We will show how the approach can be applied in multiple settings ranging from neuropsychiatric clinics to educational to military and even space and analog conditions.

Learning Objectives:

1. Appreciate the transformation of medicine from symptom- to mechanism-based diagnosis
2. Understand limitations of current testing tools for "Precision Medicine"
3. Learn an approach that has generated appropriate tools and procedures for "Precision Neuropsychology" by integrating behavioral measures with multimodal brain parameters
4. Consider implications for training and clinical practice



Stephen M. Rao, PhD

CE Workshop 8. Role of Computerized Screening in Healthcare Teams: Why Computerized Testing is NOT the Death of Neuropsychology

Thursday 7:20-8:50 AM

Today, many neuropsychologists view computerized testing as a threat to their clinical practice. The argument centers on the notion that physician referrals for neuropsychological assessments will be replaced by computerized neuropsychological examinations that provide meaningful clinical interpretations. All that a medical practice would require is the purchase of a computer/tablet and appropriate software. No doubt, in some settings, this concern is valid. However, in this workshop I argue that computerized testing has the capability of expanding clinical neuropsychological services to a broader range of patients in a wider range of clinical settings. This argument is based on the premise that an extraordinarily large number of patients who require neuropsychological services are simply not identified by current healthcare practices because, unlike blood pressure or weight, cognition is rarely measured during routine medical visits. With the growing interest in integrated care and a shift to a population health based reimbursement model in the US, there will be an increased need for valid, reliable cognitive screening measures that can be incorporated seamlessly into a standard medical visit with minimal disruption of service delivery flow or need for additional personnel. I will outline our experiences with the development, validation and implementation of self-administered iPad-based neuropsychological screening assessment using two illustrative examples involving primary care and a large hospital-based multiple sclerosis clinic.

Learning Objectives:

1. Explain how integrating self-administered computerized cognitive screening tests into large volume clinical practices can improve health care with little cost to the health care system
2. Describe how the integration of computerized screening into clinical practice will create unique opportunities for neuropsychologists in a medical environment with a growing emphasis on population health

1.5-Hour CE Workshops (Friday)



John B. Williamson, PhD

CE Workshop 9. Vulnerability to Post Traumatic Distress Disorder After Traumatic Brain Injury; Chronic Stress and Accelerated Aging Friday 7:20–8:50 AM

Patients with traumatic brain injuries (TBI) often develop post traumatic stress disorder (PTSD). This syndrome, defined and diagnosed by psychological and behavioral features, is associated with symptoms such as anxiety and anger with an increase of arousal and vigilance, as well as flashbacks and nightmares. It is unclear to what extent, if any, mild traumatic brain injury may influence the development or the course of PTSD. This course will review heterogeneity of brain imaging findings documented in mild TBI and PTSD, behavioral correlates including autonomic shifts associated with chronic stress, and, over time, associated brain and other physiological changes that contribute to deteriorating health.

Learning Objectives:

1. Be able to identify commonly impacted white matter structures associated with mild traumatic brain injury
2. Develop a deeper understanding of autonomic factors in PTSD and how limbic system dysregulation associated with mild TBI may impact these systems
3. Understand how chronic stress associated with PTSD may impact the aging process



Ron A. Cohen, PhD,
ABPP, APCN

CE Workshop 10. Cognitive and Brain Aging: Neurodegeneration, Cumulative Risk and Etiological Factors, or Epigenetic Phenomena? Friday 7:20–8:50 AM

Cognitive and brain aging are the focus of this course. Following an introduction to the concepts of successful cognitive and brain aging, we will consider cognitive aging from epidemiological and developmental perspectives. Next will be a review of the biology of aging. Cognitive aging as a manifestation of three possible underlying mechanisms will be considered: Neurodegeneration, cumulative risk and etiological factors, and epigenetics. Age-associated cognitive and brain changes with and without neurodegenerative disease will be discussed. This is followed by a review of the research literature on age-associated cognitive decline in the context of medical risk factors and etiologies, including heart disease, diabetes, other metabolic disorders, and infectious disease (i.e., HIV). Psychosocial factors, including alcohol and drug use will also be considered. The second half of the course will focus on recent findings from studies that have employed neuroimaging and laboratory biomarkers in conjunction with neuropsychological assessment to achieve greater understanding of the structural, functional and metabolic brain changes that occur with advanced age and their influence on cognitive and functional abilities, quality of life, and the daily activities of older adults. The course concludes with a discussion of clinical interventions to optimize cognitive aging with discussion of pharmacological, neuromodulation, cognitive training and behavioral approaches.

Learning Objectives:

1. Gain a deeper understanding of the manifestations and factors underlying cognitive and brain aging
2. Gain awareness of current interventions that are being investigated to enhance cognitive and functional abilities for successful aging in older adults
3. Be familiar with clinical-translational research on cognitive aging, including findings from studies incorporating neuroimaging and laboratory biomarker approaches

1.5-Hour CE Workshops (Saturday)



Maria Marquine, PhD

CE Workshop 11. Neuropsychological Research in Hispanics/Latinos Living in the United States: The Case of HIV Saturday 7:20–8:50 AM

Hispanic/Latinos/as, hereafter referred to as Hispanics, are the largest ethnic/racial minority group in the United States. Hispanics are highly heterogeneous, comprising multiple national origins, patterns of immigration, and linguistic and educational backgrounds, and are also known to possess genetic backgrounds shaped by admixture from several source continental populations. As a group, Hispanics are disproportionately impacted by human immunodeficiency virus (HIV). They are at increased risk for HIV-infection compared to non-Hispanic Whites and tend to be diagnosed and treated later in the course of the disease. Despite advances in the treatment of HIV, neurocognitive impairment (NCI) continues to be prevalent and impactful among people living with HIV, particularly Hispanics. This workshop will review the science on differences in NCI between HIV-infected Hispanics and non-Hispanics, as well as among subgroups of Hispanics. Current research will also be discussed regarding biomedical and socio-cultural factors underlying these disparities, and the role of genetically-defined ancestry on ethnic group differences in HIV-associated NCI. The workshop will also discuss implications for neuropsychology research among Hispanics more generally, and for clinical practice with Hispanic patients.

Learning Objectives:

1. Identify biomedical and socio-cultural factors underlying ethnic disparities in NCI, particularly between HIV-infected Hispanics and non-Hispanics
2. Gain a deeper understanding of rates and pattern of NCI among diverse groups of HIV-infected Hispanics



Alberto L. Fernández, PhD
Jonathan Evans, PhD



CE Workshop 12. Cross-Cultural Neuropsychological Assessment: Challenges and Solutions Saturday 7:20–8:50 AM

In an increasingly globalised world all neuropsychologists need to consider the effects of language and culture on neuropsychological test performance. This is important if you are a neuropsychologist who assesses patients coming from a different linguistic and cultural background to that for which the tests you typically use were designed; if you work in a country where you have few locally developed tests but need to conduct neuropsychological assessments; or if you are a test developer and want to support others around the world to use your test. The American Academy of Clinical Neuropsychology has recognised this issue with the launch of its Relevance 2050 initiative, noting that by 2050 60% of the US population will not be testable on our current tests. In other parts of the world, particularly in low and middle-income countries, there are few neuropsychological tests available and so tests developed elsewhere (typically in the US or Europe) are sometimes used without adequate cultural adaptation and without appropriate normative

samples. In this workshop we will explore the issues of language, culture and neuropsychological assessment. We will discuss how we can address these issues, including practical strategies in relation to use of interpreters in test sessions, the development and use of culture-fair tests and the procedures that should be followed when a test developed in one context is adapted for use in another.

Learning Objectives:

1. Have a deeper understanding of the impact of culture on neuropsychological test performance
2. Be familiar with strategies for assessing patients from different cultural backgrounds including culture-fair options and how to adapt tests developed in one cultural context for use in another

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.

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.

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No relevant financial or nonfinancial relationships exist.

Shawn McClintock, Program Chair

No relevant financial or nonfinancial relationships exist.

relationships: None exist.

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No relevant financial or nonfinancial relationships exist.

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Nadeau receives author royalties for his work with MIT Press.

Relevant non-financial relationships: None exist.

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Relevant financial relationships: Dr. Fletcher receives author royalties for his work with the U of Texas System and Guilford Press.

Relevant non-financial relationships: None exist.

Ruben Gur – CE 7

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Relevant non-financial

Michael V. Johnston – CE 2

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Michael Kopelman – Plenary A

No relevant financial or nonfinancial relationships exist.

Sarah H. Lisanby – Plenary D

No relevant financial or nonfinancial relationships exist.

Beatriz Luna – CE 5

No relevant financial or nonfinancial relationships exist.

Maria Marquine – CE 11

No relevant financial or nonfinancial relationships exist.

Earl K. Miller – Plenary B

No relevant financial or nonfinancial relationships exist.

Stephen E. Nadeau – CE 3

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Vilayanur Ramachandran – Plenary G

No relevant financial or nonfinancial relationships exist.

Stephen M. Rao – CE 8

Relevant financial relationships: Dr. Rao receives grant funding for contracted research from Biogen.

Relevant non-financial relationships: None exist.

Mieke Verfaellie – Plenary F

No relevant financial or nonfinancial relationships exist.

John B. Williamson – CE 9

No relevant financial or nonfinancial relationships exist.

ANCILLARY MEETINGS

INS is pleased to host ancillary meetings, organized by individuals and professional groups who are attending the Annual Meeting.

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 (all ancillary events must be arranged in advance).

The following schedule of ancillary meetings 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 many ancillary events are invitation-only.



Event Name	Date	Time	Location
APPCN Welcome Breakfast	Tue Feb 13	7-8:30 AM	Madison Room
APPCN BOD Meeting	Tue Feb 13	5-7 PM	Congressional Room
NNTC Neuropsychological/ Neuropsychiatric Subcommittee Meeting	Wed Feb 14	8-11 AM	Park Tower 8229
SCN (Division 40) Executive Committee Meeting	Wed Feb 14	8 AM-12 PM	Roosevelt 1
AACN Board of Directors	Wed Feb 14	9 AM-1 PM	Park Tower 8228
APA Division 40 Program Committee Meeting	Wed Feb 14	11 AM-12 PM	Park Tower 8222
St. Jude Meet & Greet	Wed Feb 14	12:15-1:15 PM	Park Tower 8222
Children's National Health System Postdoc Q & A	Wed Feb 14	1-2 PM	Delaware A-B
ABCN Board of Directors	Wed Feb 14	1-4 PM	Park Tower 8228
AACN SAC Meeting	Wed Feb 14	1:30-2:30 PM	Park Tower 8222
AACN Board Certification Promotion Committee	Wed Feb 14	3-4 PM	Park Tower 8222
APPCN General Membership Meeting	Thu Feb 15	8-9 AM	Delaware A-B
APA EAC Annual Committee Meeting	Thu Feb 15	8:30-10 AM	Park Tower 8222
BCM / TCH Fellowship Coffee Hour	Thu Feb 15	9-10:30 AM	Park Tower 8226
AITCN Annual Executive Committee Meeting	Thu Feb 15	9:45-10:45 AM	Park Tower 8228
AACN Publications Committee Meeting	Thu Feb 15	9:45-10:45 AM	Park Tower 8223
INS Past Presidents Lunch	Thu Feb 15	12:30 -2:30 PM	Roosevelt 1
INS Special Interest Group (SIG) meeting: Oncology Oncology SIG members and those interested in joining are invited to discuss SIG development	Thu Feb 15	1:15-2:05 PM	Delaware A-B
Open meeting for development of new INS Special Interest Groups (SIGs): INS members interested in the development of new SIGs are invited to an informal meeting to network with other INS members	Thu Feb 15	1:15-2:15 PM	Roosevelt 2
Consortium for Clinical and Epidemiological Neuropsychological Data Analysis (CENDA)	Thu Feb 15	3:30-5:30 PM	Roosevelt 3
ABCN SIG Meeting	Thu Feb 15	3:30-4:30 PM	Park Tower 8223
Clinical Neuropsychology Synarchy	Thu Feb 15	6:30-8 PM	Park Tower 8229
Brown University Alumni Reception	Thu Feb 15	6:30-8 PM	Roosevelt 1
JINS Reception	Thu Feb 15	6:30-8:30 PM	Roosevelt 2
ASPP/Argosy NVA Networking-Reunion of ASPP Alumni	Fri Feb 16	7-9 AM	Park Tower 8226
APA SCN Scientific Advisory Committee	Fri Feb 16	8-9 AM	Park Tower 8228
INS Special Interest Group (SIG) meeting: Epilepsy Epilepsy SIG members and those interested in joining are invited to discuss SIG development	Fri Feb 16	12:45-1:35 PM	Delaware A-B
Open meeting for development of new INS Special Interest Groups (SIGs): INS members interested in the development of new SIGs are invited to an informal meeting to network with other INS members	Fri Feb 16	12:45-1:45 PM	Roosevelt 2
Networking with a Purpose: Turning the Social Hour into an Opportunity (APA Division 40 Women in Neuropsychology)	Fri Feb 16	6-7 PM	Roosevelt 1
University of Connecticut Reunion	Fri Feb 16	6:15-8:15 PM	Roosevelt 3
University of Michigan Reception	Fri Feb 16	8-10 PM	Roosevelt 1

The International Neuropsychological Society owes a debt of gratitude to all participating student volunteers for lending their support at the Annual Meeting.

Student volunteers play a critical role in the our meeting's success 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.

INS 2018 Volunteers

Sean Coad

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IMPORTANT—PLEASE NOTE:

Changes to the Final Program are Posted On-Site

Sessions and room locations listed in Section 2 of this book are preliminary and may have changed since the time of printing, based on enrollment or other factors.

Please check on-site materials and signage for last minute changes.

Please check the INS 2018 meeting app for final room assignments, final poster numbers, and additional changes to the Final Program.

Preliminary Proceedings Available Online

A *preliminary, pre-publication* copy of the complete meeting proceedings is already available in PDF format on the INS website at www.the-ins.org. The preliminary proceedings include a copy of the final schedule, all abstracts that were accepted for presentation, an author index, and an index of abstract keywords.

The pre-publication listing does NOT include author changes and withdrawals that occurred after the program was finalized in early December; those changes will be listed in a Final Addendum that will be published in JINS following the conclusion of the meeting.

Final Publication of Meeting Proceedings

The official proceedings of the INS 46th 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 24 (2018), Supplement 1. Supplements are only available online, where they may be freely accessed by the public—no subscription fee is required. To access supplemental issues of JINS, please visit journals.cambridge.org/jid_INS.

Final Addendum of Author Changes

The online published proceedings will include a final addendum with all author changes that have occurred since finalization of the printed program that appears in Section 2 of this program book, including session changes, author additions, author changes, and other minor adjustments.

Section 2

FINAL PROGRAM

Final Program

Forty Sixth Annual Meeting

International Neuropsychological Society

February 14-17, 2018
Washington DC, USA

WEDNESDAY, FEBRUARY 14, 2018

9:00 AM–12:00 PM

CE Workshop 1. Test and Treat or Treat and Test? Scientific and Ethical Issues in Neuropsychological Approaches to Learning Disabilities
Presenter: Jack M. Fletcher
Maryland A-C

1. FLETCHER, JM

Test and Treat or Treat and Test? Scientific and Ethical Issues in Neuropsychological Approaches to Learning Disabilities

9:00 AM–12:00 PM

CE Workshop 2. Role of Neuroplasticity in Outcomes from Perinatal Brain Injuries
Presenters: Michael V. Johnston, Gwendolyn J. Gerner, Joanna Burton
Virginia A-C

1. JOHNSTON, MV

Role of Neuroplasticity in Outcomes from Perinatal Brain Injuries

9:00 AM–12:00 PM

CE Workshop 3. Language Foundations in Population Encoding Networks and Implications for Aphasia Therapy
Presenters: Stephen E. Nadeau, Irene Minkina, Lisa Edmonds
Delaware A-B

1. NADEAU, SE

Language Foundations in Population Encoding Networks and Implications for Aphasia Therapy

12:00–1:00 PM

Lunch (On Own)
Conference-Wide

1:00–4:00 PM

CE Workshop 4. Assessment and Treatment of Postconcussive Symptoms in Veterans: Rethinking the Role of Concussion
Presenter: Amy J. Jak
Virginia A-C

1. JAK, AJ

Assessment and Treatment of Postconcussive Symptoms in Veterans: Rethinking the Role of Concussion

1:00–4:00 PM

CE Workshop 5. How Adolescence Specializes The Brain to Establish Adult Modes of Operation
Presenter: Beatriz Luna
Maryland A-C

1. LUNA, B

How Adolescence Specializes The Brain to Establish Adult Modes of Operation

1:00–4:00 PM

CE Workshop 6. Ethical Practice in a Learning Healthcare System: Tomatoes, Technology, and the Marriage of Clinical Practice and Research
Presenters: Lisa Jacobson, T A. Zabel, Alison Pritchard
Ballroom Salon 3

1. JACOBSON, L

Ethical practice in a learning healthcare system: Tomatoes, technology, and the marriage of clinical practice and research

2:30–4:00 PM

Workshop, Presented by the INS Student Liaison Committee: The Role of Neuropsychology in an Integrated Healthcare Setting
Presenter: Neil H. Pliskin
Delaware A-B

2:30–3:45 PM

Poster Session 1. Aging
Exhibit Hall B North (Exhibition Level)

Aging

1. BAJAJ, S
Preservation of limbic network structure in healthy young adults
2. BOOTS, EA
Preclinical Profiles of Memory Versus Executive Function Weakness as Related to Cognition, Stroke Risk, and White Matter Integrity in Older Adults
3. CAMPBELL, LM
Cognitive Performance and Alzheimer's Disease Biomarkers in SuperAging and Normal Older Adults
4. DIVERS, R
Unique Effects of Aging on Everyday Action Performance in Older Adults Compared to Younger Adults Performing a Dual Task
5. EMMERT, NA
An Examination of Neuropsychological Functions and Depression as Predictors of Health and Safety Abilities in Older Adults with Dementia
6. EVANGELISTA, ND
Endothelin-1 and Cerebral Blood Flow Interact to Affect Memory Performance in Cognitively Normal Older Adults
7. FISCHER, EM
Vascular Hemodynamics Relate to Cognitive Performance in Older Adults
8. GETZ, S
Low Emotional Reserve as a Risk Factor for the Frailty Syndrome
9. COGNAT, M
Relation between Lutein, Zeaxanthin, and Brain Volume in Older Adults
10. GRACIAN, EI
Non-Uniform Age-Related Differences and Neuropsychological Correlates of Medication Management Ability in Cognitively Normal Adults
11. HALPIN, A
Maine Understanding Sensory Integration & Cognition (MUSIC) Project: Feasibility of a music training intervention for cognition in older adults
12. HAM, L
Simulating Cognitive Aging with a Dual Task in the Virtual Kitchen
13. HARRISON, CE
Lower Memory Performance in Males with Presence of Multiple Risk Factors for Dementia
14. HENCE, AC
Neighborhood Quality and Cognition Among Diverse Older Adults: An Analysis of the Health and Retirement Study
15. KAUZOR, K
Test Performance of MCI Patients With and Without Caregivers as Compared to AD and NC
16. KELLY, DA
Influence of Family History and APOE ε4 Allele on Five Year Longitudinal Memory Performance in Cognitively Intact Elders
17. KRAAL, AZ
Religiosity, Religious Attendance, and Cognition among Racially/Ethnically Diverse Older Adults
18. MATCHANOVA, A
The Effect of Cognitive Aging and Resource Limitations on Everyday Task Completion and Interleaving
19. MARGOLIS, SA
Cognitive Decline Predicts Perceived Loneliness in Non-Demented Older Adults at Risk of Alzheimer's Disease
20. MARGOLIS, SA
Sedative/Anticholinergic Drug Burden Predicts Worse Memory Acquisition in Racially/Ethnically Diverse Older Adults with Type 2 Diabetes
21. MAYE, JE
Divergent Production, Executive Function, and Daily Functioning in Older Adults
22. MCVEIGH, KS
Associations between social isolation and cognitive function in older adults
23. MENDOZA, L
The effect of acculturation on verbal fluency among older adults
24. MOLDEN, J
Effects of Stereotype Threat and Diagnosis Threat Manipulations on Older Adults' Neuropsychological Test Performance
25. NIERMEYER, MA
The Relationship Between Executive Functioning and Gait Speed Among Older Adults: Does Measurement Matter?
26. ORD, AS
Can Alcohol and Tobacco Use Predict Neurocognitive Functioning in Older Adults?
27. OSUNA, JR
The Benefits of Moderate-Intensity Physical Activity on Cognition in Older Adults
28. PASSLER, JS
The Relationship of Cognitive Decline and Impairment to the AD8 and Activities of Living in a General Population
29. POLSINELLI, A
Multi-method measurement of cognitive ability in healthy older adults
30. ROBINSON, TL
Associations Between Body Composition Measures and Cognitive Reserve in Older Adults
31. RODRIGUEZ, RA
Birthplace, Acculturation Level, and Cognitive Trajectory among Hispanic Older Adults
32. ROTBLATT, LJ
The Effects of Hypertension and Polypharmacy on Changes in Reasoning Abilities over 10 Years in the ACTIVE Trial

33. SABBAH, LE Cognitive Structure, Cognitive Engagement and Adaptive Functioning: The Aging, Demographics, and Memory Study (ADAMS)
34. SALONER, R Associations of Dopamine-Related Genes with Executive Functioning in Functionally Normal Older Adults
35. SEELYE, A Age-Related Declines in Cognitive Control and Verbal Learning in Veterans with Bipolar Disorder
36. SHAKED, D Telomere Length and Cognitive Function: Differential Relations across Sociodemographic Groups
37. STAFFARONI, AM The Longitudinal Trajectory of the Default Mode Network Varies with Age and Predicts Changes in Episodic Memory
38. STEFFEN-ALLEN, F Predicting Age-Related Decline on the Trail Making Test: An MRI Study of White Matter Integrity
39. STEPHENS, B Is Caregiver Burden Influenced by Relationship Type and Race in a Veteran Population?
40. STICKEL, A Body mass index and percent body fat differentially predict memory in young old and older old adults
41. SUMIDA, C Medication Management in Community-Dwelling Older-Adults: Correlates Between Performance-Based, Self-Report and Neuropsychological Measures
42. SUN-SUSLOW, N The Association Between Indicators of Physical Frailty Syndrome and Cognitive Function
43. SUNDERARAMAN, P Correlates of Financial Risk Taking in Non-Demented Older Adults
44. SZAJER, J The Effect of Worry on Memory for Odors in Apolipoprotein E $\epsilon 4$ Carriers
45. TAM, JW Baseline Cognition and Everyday Functioning in Older Adults with Subject Cognitive Complaints from a Randomized Clinical Trial
46. TAYLOR, L Utility of the Repeatable Battery for the Assessment of Neuropsychological Status (RBANS) with a Geriatric Veteran Population: A Comparison of Standard and Demographic Regression Based Norms
47. TOMASINO, DF Informant Report of Cognitive Functioning in Geriatric Depression: Correlates with Objective Cognitive Tests and Structural Imaging
48. TURNER, SM Translational Cognitive Training Paradigm Elicits Persistent Functional Connectivity Changes in Aged Animals
49. VAN ETTEN, EJ Age-Related Differences on a New Memory Test for “Who, When, and Where” Begin in Middle Age
50. WALL, KM Biomarkers and Neuropsychological Function in Mild Cognitive Impairment (MCI): Salivary Dehydroepiandrosterone (DHEA-S) and Overall Cognition
51. WIGGINS, ME Volume and Region of Leukoaraiosis Relative to Cognition in Non-Demented Older Adults
52. WOO, E Longitudinal Assessment of Metamemory in Mild Cognitive Impairment and Alzheimer’s Disease

Concussion

53. KARR, JE Acute Symptoms Predict Return to School Following Concussion in Student Athletes

Career Development/Education/Training

54. HESSEN, E Symposium on core competencies in Clinical Neuropsychology training across the world and the current status of Clinical Neuropsychology in thirty-one European countries – Results from a review conducted in collaboration with INS and FESN and from a survey by the European Federation of Psychological Associations (EFPA) on Clinical Neuropsychology in Europe
55. CONSTATINOU, M The Role of Clinical Neuropsychologists in Health Care- Results of a Survey on 31 European Countries
56. HESSEN, E Core competencies in clinical neuropsychology training across the world
57. LETTNER, S The Legal Status and Licensure of Clinical Neuropsychologists - Results of a Survey on 31 European Countries
58. HOKKANEN, L Training Models in Clinical Neuropsychology - Results of a Survey on 31 European Countries

4:30–4:45 PM

Program Welcome

Program Committee Chair: Shawn M. McClintock

Ballroom Salon 2-3

4:45–5:45 PM

Plenary A (INS Presidential Address). Anomalies of Autobiographical Memory

INS President: Michael Kopelman

Ballroom Salon 2-3

1. KOPELMAN, M Anomalies of Autobiographical Memory

5:45–6:30 PM

INS Awards Ceremony
Awards Committee Chair: Roy P.C. Kessels
Ballroom Salon 2-3

6:30–7:30 PM

INS Welcome Reception
Ballroom Salon 1

THURSDAY, FEBRUARY 15, 2018

7:20–8:50 AM

CE Workshop 7. “Precision Neuropsychology”: Neuropsychological Assessment in the “Precision Medicine” Revolution
Presenter: Ruben C. Gur
Ballroom Salon 1

1. GUR, RC

Introduction to “Precision Neuropsychology”: Background and initial results of making neuropsychological assessment participate in the “Precision Medicine” revolution

7:20–8:50 AM

CE Workshop 8. Role of Computerized Screening in Healthcare Teams: Why Computerized Testing is NOT the Death of Neuropsychology
Presenter: Stephen M. Rao
Maryland A-C

1. RAO, SM

Role of Computerized Screening in Healthcare Teams: Why Computerized Testing is NOT the Death of Neuropsychology

8:00–9:15 AM

Poster Session 2. Neuropsychiatry, Forensics, and Inclusion and Diversity
Exhibit Hall B North (Exhibition Level)

Addiction/Dependence

1. ARIAS, F

Executive Functioning, Characterological Facets of Inhibitory Control, and Participation in Risky Behaviors in Adults Receiving Opioid Agonist Treatment

2. NGUYEN-LOUIE, T

Earlier Alcohol Use Onset Predicts Poorer Neuropsychological Functioning in Young Adults

3. PACHECO-COLON, IM

Adolescent Cannabis Use Trajectories and Motivation: A Longitudinal Analysis

4. PATT, VM

Effect of Combined HIV Infection and Methamphetamine Dependence on Spatial Working Memory

5. WACLAWIK, K

Cognitive Impairment in Marginally Housed Youth: Associations with Substance Use and Viral Infection

Career Development/Education/Training

6. SCOTT, TM

Diversifying Neuropsychology from the Bottom Up: Outcomes from a Student Pipeline Workshop

Drug/Toxin-Related Disorders

7. CRAUN, E

Alcohol Use Disorder Symptoms, Neurocognitive Functioning, and Criminal Behavior of Jail Inmates

8. PRITCHETT, A

Effects of Prenatal Cannabis and Tobacco Exposure on Offspring Stress Hormones

Emotion Regulation

9. ALKOZEI, A

A Positive Cognitive Style Mediates the Relationship Between Trait Gratitude and Depressive Symptoms

10. DENO, M

The Effect of Physiological Response to Acute Stress on Emotional Attentional Bias Among Japanese Adolescents

11. EASTER, RE

Effects of age, education, and mood state on facial emotion processing in bipolar disorder

12. KAHRILAS, IJ

Positive Affectivity Distinctly Influences Negative Interpretation Bias in Individuals with Remitted Depression

13. OLARU, M

The Relationship of Self-Esteem and Cognitive Styles in the Development of Depression

14. TAIWO, Z

Individual Differences in Working Memory Associated with Empathy-Related Frontal Lobe BOLD Activity

Forensic Neuropsychology

15. BIDDLE, C

Exploring the California Verbal Learning Test-2nd Edition Short Form Forced Choice Scores as a Potential Measure of Performance Validity Among Older Adults Referred for Memory Complaints
 Utility of the Symptom Validity Scale and Response Bias Scale in Predicting PVT Failure in a Veteran Sample

16. GAASEDELEN, O

Prevalence and Prediction of PVT Failure in a Research Sample of MS Patients

17. GUZMAN, D

18. KLIPFEL, KM The Relationship Between IQ and Effort Among Worker's Compensation and Fitness-for-Duty Examinees: A Replication of Findings in Criminal Defendants
19. KLIPFEL, KM Cross-Validation of TOMMe10 Among Criminal Defendants and Compensation-Seekers
20. LAU, L Accuracy of TOMM Supplementary Indices Among Test Coached Simulators
21. MULLIGAN, R Classification Accuracy of the Word Memory Test Genuine Memory Impairment Index
22. PIPER, LE Development of a Combined Visual Spatial Performance Validity Test Using Logistic Regression
23. REGINELLA, VM Relationship of Trauma & Depression in Litigants & Non-Litigants Following Concussion
24. ROLIN, S Examination of the Classification Accuracy of the Word Choice Test with Stand Alone Performance Validity Measures
25. STIKA, MM The Relationship Between IQ and Effort in Worker's Compensation and Fitness-for-Duty Examinees: Replication of WTAR-WAIS-III Findings with the TOPF and WAIS-IV
26. VARGA, CM Examining the Utility of the RBANS Hartford Consistency Index in an Adult Outpatient Sample
27. VOGT, E CPT 3 Promising as an Embedded PVT for Pediatrics

Inclusion and Diversity/Multiculturalism

28. DAY, L A Special Group Study of the Wechsler Intelligence Scale for Children, Fifth Edition: Deaf Children Who Utilize American Sign Language
29. FORTE, M Cross-cultural Analysis of the WAIS-IV Advanced Clinical Solutions (ACS): Cultural Identity and Performance on Social Perception Subscales
30. MELIKYAN, Z Digit Span Performance in Russian and American Rural Populations: Cross-Cultural and Cross-Linguistic Considerations
31. RATTO, A Differential Effects of Dual Language Exposure on Language and Nonverbal Problem-Solving in Children with ASD and ADHD
32. RIEGER, RE Baby, Let's Play Together: Maternal Behaviors and Child Development in Spanish and English Speaking Toddlers Born Preterm
33. SALAZAR, R Cross-Cultural Differences in Neuropsychological Performance: A Stereotype Threat Investigation
34. WEIZENBAUM, E Cross-Cultural Differences in Neuropsychological Performance: The Contributions of Acculturation and Academic Self-Identification
35. WERRY, AE Influence of Demographic Variables on Measures of Attention and Working Memory for Spanish Speaking Hispanic and Matched White Older Adults

Neuropsychiatry

36. BABIONE, JM Initial-Trial Learning is Associated with Severity of PTSD Symptoms in OEF/OIF/OND Veterans
37. BODZY, M Neurocognitive Functioning in Inpatient Children Following Childhood Maltreatment and the Role of PTSD
38. CERNY, BM Impairments in Affective Flexibility May Improve When Depression Remits
39. COBIA, DJ Subcortical Features of Dorsolateral Prefrontal Circuitry in Neuropsychologically Near-Normal Schizophrenia
40. CZEPIELEWSKI, LS Intellectual Functioning and Not Cognitive Performance Predicts Functional Outcomes in Bipolar Disorder
41. SANGUNETTI CZEPIELEWSKI, L Delayed sleep phase and impaired verbal memory of patients with Bipolar Disorder
42. DEV, SI Impulsivity and cerebral blood flow in bipolar disorder
43. ESTEVIS, E Patterns of Verbal Memory Performance in Depressed Inpatients
44. FERNANDES, P Effects of Selective Serotonin and Serotonergic-Noradrenergic Reuptake Inhibitors on Neuropsychological Performances in the United States
45. LØVSTAD, M Relationships Between Subjective Cognitive Complaints and Emotional Functioning, Post Traumatic Stress Symptoms, Fatigue, Sleep and Pain, as well as Neuropsychological Test Performance in Hospitalized Victims of Terror
46. NAKHLA, MZ Gender Differences in Social Cognition in Bipolar Disorder with Possible Links to Inflammation
47. PETERMAN, J Differential Effects of Increased BMI on Working Memory Performance in Individuals with Bipolar Disorder Compared to Unipolar Depression and Controls
48. PIERS, RJ Depressive Symptoms and Cognitive Decline in Younger- and Middle-Aged Adults: Cross-Sectional Analyses from the Framingham Heart Study
49. SO, RP Characterizing the Neuropsychological Profiles of Those With and Without a History of Childhood Trauma Among a Sample of Psychiatric Inpatient Adolescents

Other

50. HOPYAN, T Neurocognitive Effects of Drug-Induced Changes for Choice Reaction Time in Recreational Polydrug Users
51. RENSBERGER, J Hypothalamic pituitary adrenal axis functioning and PTSD symptoms in Army National Guard Special Forces

Schizophrenia

52. AGHVINIAN, M Social Functioning, Empathy, and Working Memory in Schizotypy
53. ANDERSEN, T Altered Neuromagnetic Evoked Responses Related to Visual Habituation in Schizophrenia
54. AXELROD, J Clinical phenotypes in psychosis: Relationship between catechol-O-methyltransferase with positive and negative symptoms

55. BUCHHOLZ, A Clarifying the Effect of Interference on Task Switching Latency in Schizophrenia
 56. CRAWFORD, JL The Contributions of Olfaction to the Neuropsychological Assessment of Schizophrenia Patients
 57. HENRICKS, AM Comorbid Cannabis use Disorder is not Associated with Improved Cognition in Patients with Schizophrenia
 58. JACKSON, A Semantic Processing On Verbal Fluency Tasks In Schizophrenia Spectrum Disorder
 59. SHAAFI KABIRI, N Intra-Individual Variability and its Relations with Cognitive Functioning in Healthy Volunteers and Subjects with Schizophrenia
 60. MATSUI, M Subjective and Objective Cognitive Impairment in Schizophrenia
 61. MOLL, A Endothelial Nitric Oxide Synthase (eNOS), Metabolic Syndrome, and Cognition in Schizophrenia-Spectrum Disorders
Executive Functions/Frontal Lobes
 62. PRILUCK, JL Verbal Fluency for Emotion Following Traumatic Brain Injury

9:00–10:30 AM

Invited Symposium 1. Multiple Trace Theory (MTT) at 20: A Review of Theoretical, Empirical and Clinical Developments, and Future Directions
Chair: Morris Moscovitch
Presenters: Lynn Nadel, Gordon Winocur, Mary Pat McAndrews, Morris Moscovitch
Ballroom Salon 2-3

1. MOSCOVITCH, M Multiple Trace Theory at 20: A review of theoretical, empirical and clinical developments, and future directions
 2. NADEL, L MTT: Origins and Predictions
 3. WINOCUR, G Trace Transformation Theory and its Implications
 4. MCANDREWS, M Clinical Implications of Multiple Trace and Trace Transformation Theories
 5. MOSCOVITCH, M MTT and TTT: Limitations and Future Directions

9:00–10:30 AM

Symposium 1. Remote and Progressive Effects of Brain Injury: Novel Findings and Novel Treatment Approaches
Chair & Discussant: Robin Green
Presenters: Brenda Colella, Alexander Terpstra, Brandon Vasquez
Ballroom Salon 1

1. GREEN, R Remote and Progressive Effects of Brain Injury: Novel Findings and Novel Treatment Approaches
 2. COLELLA, B Neural, cognitive and mood decline in the chronic stages of moderate-severe TBI: Implications for treatment
 3. TERPSTRA, A Remote Effects of Multiple Concussions in Retired Professional Athletes
 4. VASQUEZ, B Variability Increases in the Chronic Stages of Moderate-Severe TBI

9:00–10:30 AM

Symposium 2. Neuropsychology of Pediatric Neuroimmunological Diseases
Chair, Presenter, & Discussant: Alison Wilkinson-Smith
Presenters: Lana Harder, Robyn A. Howarth
Maryland A-C

1. WILKINSON-SMITH, A Neuropsychology of Pediatric Neuroimmunological Diseases
 2. HARDER, L Neuropsychology of Pediatric Multiple Sclerosis and Related Disorders
 3. HOWARTH, RA Neuropsychology of Anti-NMDA Receptor Encephalitis
 4. WILKINSON-SMITH, A Neuropsychology of Antibody-Negative and Presumed Autoimmune Encephalitis

9:00–10:30 AM

Paper Session 1. Assessment
Moderator: Justin B. Miller
Virginia A-C

1. STIVER, J The Rapid Naming Task: Pilot Data on a Novel Naming Paradigm for Older Adults
 2. MUNIZ, MC The Relationship Between Performance Errors and Amyloid Burden in Clinically Normal Older Adults
 3. ALIOTO, AG White matter correlates of the UCSF Brain Health Assessment
 4. FILSHEIN, T Differential Item Functioning of the Everyday Cognition (ECog) Scales in Relation to Racial/Ethnic Groups
 5. KARR, JE The Other Side of the Bell Curve: Multivariate Base Rates of High Scores in Executive Function Assessment
 6. MAHONEY, EJ Identifying New Targets for Detecting Memory Malingering: Insights from a Combined fMRI and Eye Tracking Investigation
 7. VOGT, E Child and Adolescent Validity Cut-Scores for the Victoria Symptom Validity Test and Reliable Digit Span-Revised

9:30–10:45 AM**Poster Session 3. Concussion
Exhibit Hall B North (Exhibition Level)****Concussion**

1. ASKEN, BM
Baseline Serum Biomarker Concentrations: Association with Clinical Measures and Brain Trauma History
2. BITAN, Z
Establishing A Reference Database For Collegiate Athletes Using The Elite Balance Protocol
3. BURNS, AR
Reliability and validity of the Concussion Learning Assessment and School Survey (CLASS): A measure assessing academic problems following concussion
4. BURNS, AR
Neuropsychological Assessment as a Function of Time since Injury Following Pediatric Concussion
5. CAPOZZOLI, MC
Predictors of Post-Concussion Symptom Invalidity Using the Validity-10 in Treatment-Seeking Adults With Persistent Complaints After Mild Traumatic Brain Injury
6. COLBERT, AM
Comparing Subjective and Objective Cognitive Functioning in Youth with Persistent Postconcussive Symptoms
7. COOK, NE
Athletes with ADHD Take Longer to Return to School but not to Sports Following Concussion
8. DUNCAN, B
An Analysis of Performance on Measures of Performance Validity and Self-Report of Concussion Symptoms
9. CROSSLAND, MM
Parent and Child Agreement on a Postconcussive Symptom Measure: Baseline Data from Competitive Youth Soccer Players
10. CROSSLAND, MM
Symptom Outcomes Following Concussion from a Prospective Study of Competitive Youth Soccer Players
11. FIELDS, L
Number of Concussions Not Associated with Neuropsychological Performance in Retired NFL Players
12. FONG, AK
Functional NeuroCognitive Imaging: Effective Identification for PCS
13. GALLAGHER, V
The Effects of Sex and Hormonal Contraception on Outcomes Following Collegiate Sports-Related Concussion
14. GERRALD, L
The Relationship Between Preexisting Conditions and Recovery Patterns in Pediatric Concussion Patients
15. GHILAIN, C
ImPACT-Pediatric versus ImPACT: Pediatric Sample Differences in Baseline Performance
16. GUTY, E
Executive Functioning in College Students with Chronic Postconcussion Symptoms
17. HOFFMAN, SN
The Role of Pain Catastrophizing in Cognitive Functioning Among Veterans with History of Mild Traumatic Brain Injury
18. HOUCK, ZM
Exploratory Analysis of the Relationship Between Symptom Clusters and Neurocognitive Functioning in a Concussed Sample Presenting to a Specialty Clinic
19. JOSEPH, KR
National Institute of Neurological Disorders and Stroke, National Institutes of Health and Department of Defense Common Data Language for Clinical Research Studies: Sports-Related Concussion Common Data Element Recommendations
20. JURICK, SM
Association Between Multiple Concussions and Return to School and Sports in High School and College Athletes
21. JURICK, SM
Can Trauma-Focused Treatment Improve Poor Neuropsychological Performance Validity in Veterans with PTSD and History of mTBI?
22. KELLER, AV
The Interactive Effects of Traumatic Brain Injury Burden and Cognitive Functioning on Suicidal Ideation in Veterans
23. LEVAN, AJ
Working Memory Functioning Following Pediatric Concussion
24. LIMA, E
Using Tests of Validity to Predict Performance on Neuropsychological Exams
25. MALLECK, M
The Effect of Menstrual Cycle Phase and Birth Control Pill Usage on Post-Concussive Symptom Reporting in Non-Concussed Adults
26. MANDERINO, LM
Self-Reported Constancy in Sports Is Correlated with Previous Concussions Resulting in Loss of Consciousness
27. MORENO, CC
Stability of baseline serum biomarker concentrations in female collegiate athletes
28. O'NEILL, JA
The Relationship Between the Sport Concussion Assessment Tool – 3rd Edition (SCAT-3) and Neuropsychological Functioning in Adolescents with Concussion
29. PETERSON, J
The ImPACT and performance validity: Examination of standard and experimental validity indicators
30. PETRAUSKAS, VM
Concussion Knowledge and Self-Reported Attitudes in Middle School and High School Athletes
31. RABINOWITZ, AR
Financial Incentives Influence ImPACT Validity Indicator Measures but not Cognitive Composite Scores
32. REGINELLA, VM
Concussion with Loss of Consciousness & Depression
33. REYNOLDS, M
Comparing Perceptions of Mild Traumatic Brain Injury to Orthopedic Injury
34. RICHARDSON, RJ
Sex Differences and Post-Concussion Symptom Reporting in a Large Clinical Sample
35. RITCHIE, KA
Premorbid intellectual functioning impacts baseline concussion screening performance
36. SCAVONE, A
Performance Validity at Baseline Testing on the ImPACT in Young Athletes with ADHD
37. SCHLEICHER-DILKS, S
Examining Performance on Cognitive, Effort, and Psychological Measures Among Individuals With Concussion, Controls, and Coached Dissimulators
38. SHAPIRO, E
Impact of Mild Traumatic Brain Injury on PTSD Treatment Outcomes
39. SVINGOS, AM
Micro-RNA Upregulation Following Sport-Related Concussion in Collegiate Athletes
40. TAYLOR, B
Brief Cognitive Testing in the Acute Stage of Concussion: Does it Increase Symptoms?

41. UY, PJ
42. VARGAS, G
43. WERHANE, ML
44. ZUCCATO, BG

Symptom Endorsement Validity on the Sports Concussion Assessment Tool 3 (SCAT3)
 Neuropsychological Test Performance in Young Children After Concussion
 Apolipoprotein E-ε4 Genotype and Pulse Pressure Interact to Affect Cortical Thickness in Brain
 Regions Vulnerable to Neurodegeneration in Veterans with Mild Traumatic Brain Injury
 Latent Structure of Post-Concussion Symptoms in Athletes at Baseline

Neuroimaging

45. COHEN, J

Adults with Higher Cardiorespiratory Fitness Show Evidence for Greater Neural Efficiency During the Stroop Task

10:30–10:45 AM

AM Coffee Break Exhibit Halls B North (Exhibition Level)

10:45–11:45 AM

Plenary B. Rule + Rhythms = Cognition Presenter: Earl K. Miller Ballroom Salon 2-3

1. MILLER, EK

Rule + Rhythms = Cognition

11:45 AM–1:15 PM

Invited Symposium 2. Neurocognitive Function in Aerospace and Aeronautics

Chair: Robert L. Kane

Presenters: Robert L. Kane, Andrea Vincent, Gary Kay, Kimberly Seaton, Thomas Williams
Ballroom Salon 2-3

1. KANE, RL
2. KANE, RL
3. VINCENT, A
4. KAY, G
5. SEATON, K
6. WILLIAMS, T

Neurocognitive Functioning in Space and Aviation
 Development of the Spaceflight Cognitive Assessment Program
 Neurocognitive Health During Space Flight
 Aviation Clinical Neuropsychology
 Cognitive Assessment in Long-Duration Space Flight
 WinSCAT Test-Retest Reliability in Senior Military Leaders

11:45 AM–1:15 PM

Symposium 3. Increasing Minority Engagement in the Field of Neuropsychology

Chair: Michelle Madore

Presenters: Beatriz MacDonald, Christine Salinas, Steven P. Verney, Justina Avila
Ballroom Salon 1

1. MADORE, M
2. MACDONALD, B
3. SALINAS, C
4. VERNEY, SP

Increasing Minority Engagement in the Field of Neuropsychology
 What Happens Beyond Active Recruitment and Enrollment?
 State of the Art in Cultural Neuropsychology Mentoring & Training: Results from the Hispanic Neuropsychological Society Mentoring Program and AACN Relevance 2050 Survey of postdoctoral programs in the U.S
 Engaging in Difficult Dialogues towards Multicultural Knowledge, Attitudes, and Skills in Neuropsychology: Peer-to-Peer Discussions and Interactions

11:45 AM–1:15 PM

Paper Session 2. Adult Medical Disorders

Moderator: Cady K. Block
Maryland A-C

1. NGUYEN, DV
2. ZIMMERMAN, ME
3. KRESGE, HA
4. SEMMEL, E
5. PARKER, HA
6. JENKINS, LM

Post-Shunting Cognitive Outcomes in Normal Pressure Hydrocephalus Patients
 Neuropsychological Function and Nocturnal Blue Light Exposure in Insomnia: A Pilot Randomized Controlled Study
 Subclinical Compromise in Cardiac Strain Relates to Worse Neuropsychological Performances in Older Adults: The Vanderbilt Memory & Aging Project
 Cerebellar Volume and Executive Function in Congenital Heart Disease
 Evaluating the Moderating Role of Medical Comorbidity, Pain, and Depression on the Relationship Between Sleep Biomarkers and Cognitive Functioning in Obstructive Sleep Apnea
 Reduced Local Connectivity of the Medial Prefrontal Cortex Predicted by Slower Executive Functioning in Middle Aged Adults at Risk for Cardiovascular Disease

11:45 AM–1:15 PM

1. ZAKRZEWSKI, JJ
2. TOOMEY, R
3. SALMINEN, L
4. KEILP, JG
5. GORLYN, M
6. JAYAKAR, R

Paper Session 3. Mood and Anxiety Disorders

Moderator: Sara Weisenbach
Virginia A-C

- Effect of Treatment on Neurocognitive Function in a Treatment Seeking Sample of Individuals with Hoarding Disorder
- Neurocognitive deficits in remitted vs. current depression: Findings from the Vietnam Era Twin Study of Aging (VETSA)
- Hippocampal Subregion Abnormalities in Current and Lifetime PTSD: International Analysis from the PGC-ENIGMA PTSD Working Group
- Neuropsychological Dysfunction in Planned and Unplanned Suicide Attempts
- Neurocognitive Impairment in Depression is Distinct from Ratings of Mood and Cognitive Problems
- Association Between Amygdala Volume and Social Anxiety Symptom Severity: A Multi-Method Study

12:00–1:15 PM

1. ALLISON, S
2. ANDERSON, SL
3. AZAR, M
4. BERTRAND, E
5. CERBONE, B
6. CERVANTES-MANZO, Y
7. CHAN, S
8. CHAPMAN, S
9. CHAPMAN, S
10. CHIRLES, T
11. CHOUDHURY, TK
12. CLARK, LR
13. CRIVELLI, L
14. D'ERRICO, L
15. DRZEWIECKI, MA
16. DUTT, S
17. CLARENS, M
18. FLOWERS, AT
19. GRAVES, LV
20. HACKETT, K
21. HALE, C
22. HALLIDAY, D
23. KEMP, EC
24. KORTHAUER, LE
25. LIN, SS
26. MALONE, C
27. MAXA, KM
28. MCINTOSH, EC
29. MEINERDING, ME
30. MILLER, AK
31. NAKHLA, MZ
32. NANCE, C
33. PUGH, EA
34. RINDGE, M
35. SCHAFFERT, J

Poster Session 4. MCI and Dementia
Exhibit Hall B North (Exhibition Level)

Dementia (Alzheimer's Disease)

- Informant and Self-Reports of Navigation Abilities in Preclinical Alzheimer's Disease
- Depression's Influence on Cognitive Functioning in Older Adults who Develop Alzheimer's Dementia
- Processing Speed best Classifies Autopsy Confirmed Alzheimer's disease versus AD with Lewy Bodies
- Awareness in Alzheimer's Disease: Self and Other-Evaluation
- Predictive Utility and Longitudinal Correlates of Phonemic Cueing Benefit in Alzheimer's Disease
- Factors Affecting Older Adults' Fear of Developing Alzheimer's Disease
- Does Statin Use Mitigate Risk of Conversion to Alzheimer's Disease? The Association between Statin Use and Incidence of Alzheimer's Disease by Gender and Race
- Age-Anchored Subjective Cognitive Decline is Sensitive to Short-Term Memory Binding
- Cross Domain Self-Monitoring in Anosognosia for Memory Loss in Alzheimer's Disease
- Functional Connectivity Patterns Associated with Aging, Physical Activity, and Genetic Risk for Alzheimer's Disease
- Statistical Model of Dynamic Markers of the Alzheimer's Pathological Cascade
- A Comparison of Subjective Cognitive Decline Across Cohorts: The Wisconsin Registry for Alzheimer's Prevention and The Vanderbilt Memory & Aging Project
- Algorithm for the Detection of Risky Driving in Subjects with Mild Dementia
- Probability of First Recall in Asymptomatic Older Adults with CSF Biomarkers of Alzheimer's Disease
- Correlates of Hot and Cold Cognition in a Neurodegenerative Population
- Hippocampal Hyperperfusion is Associated with Worse Memory and Executive Function in Older Adults
- Neuropsychological Biomarkers in Mild Cognitive Impairment due to Alzheimer's Disease
- Differences in Caregiver Burden Amongst Individuals With Various Forms of Cognitive Impairment
- Novel Recognition Discriminability in Alzheimer's and Huntington's Disease: New Insights from the CVLT-3
- Perceptions of Childhood and Current Memory Abilities in Adults Presenting to a Memory Clinic
- Cognitive Complaints Among Older Adults are Associated Selectively with Entorhinal Cortex Thickness
- Intraindividual Dispersion Profiles for Identifying the Cognitively Impaired
- Statin Use and Risk of Cognitive Decline in the ADNI Cohort
- Response Time Associated with Stimulus Uncertainty but Not Response Uncertainty Discriminates Alzheimer's Disease from Healthy Aging
- Inferring Brain Change from Reliable Change Indices: AVLT and Brain Volume
- False Memory, Response Bias, and Executive Functioning, in Alzheimer's Disease
- Sedentary Behavior Associates with Vessel Pulsatility in the Brains of Adults at Risk for Alzheimer's Disease
- Untreated Hyperglycemia Accelerates Cognitive and Functional Decline in Older Adults
- Retrospective Subjective Cognitive Decline relates to Essentialist Beliefs and Subjective Age
- Relationship Between Cerebrospinal Fluid Biomarkers of Alzheimer's Disease and Neuropsychological Functioning
- The Differences Between Semantic and Episodic Memory Predicting Shopping Skills in Alzheimer's disease and Mild Cognitive Impairment
- Pathology of Rapid Cognitive Decline
- Effects of Normative Adjustments on Test Characteristics of the Montreal Cognitive Assessment
- Predictors of Conversion from Mild Cognitive Impairment to Alzheimer's Dementia Confirmed by Autopsy: A Pilot Study
- Traumatic Brain Injury History and Survival After Dementia Onset in Autopsy-Confirmed Alzheimer's Disease

36. SHOUEL, HL Social Support and Cognition in White and African American Older Adults at Risk for Alzheimer's Disease
37. STASENKO, A Sensitivity of the Multilingual Naming Test (MINT) to Level of Cognitive Impairment Across the Alzheimer's Disease (AD) Spectrum
38. STOJANOVIC, M Exercise Engagement and Longitudinal Change in Alzheimer's Disease Biomarkers
39. SUHR, J Cognitive Outcomes in Caregivers of Individuals with Dementia
40. SUNDERMANN, EE Sex-based norms in clinical tests of verbal memory might improve diagnostic accuracy in Alzheimer's disease
41. UNGRADY, MB Predicting Lexical Dropout in Progressive Aphasia via Eye Tracking
42. VANDEBUNTE, AM The Effect of Depression on the Cognition of those with Alzheimer's Disease
43. VENKATESAN, UM Disentangling Deficits in Semantic Integration and Retrieval in Aging and Alzheimer's Disease
44. VILA-CASTELAR, C Attention predicts long-term cognitive, functional and behavioral response to donepezil in Alzheimer's disease
45. WANK, AA Disrupted Retrieval Fluency for Remote Autobiographical Events in Cognitively Healthy
46. WEISSBERGER, G Apolipoprotein E ϵ 4 Positive Individuals
The Impact of Education on Neuropsychological Differences Detected in Early Preclinical Alzheimer's Disease: A Meta-Analysis
- MCI (Mild Cognitive Impairment)**
47. WEISSBERGER, G Intra-individual Variability in Reaction Time Performance Predicts BOLD Activation During a Working Memory fMRI Task in Healthy Older Adults and Older Adults with Mild Cognitive Impairment
48. BOEVE, A MCI and Depression Increases Fall Risk Through Slowed Gait
49. BULL, TP Investigating Driving Performance in Older Adults with Mild Cognitive Impairment Amnesic Single-Domain and Multiple-Domain
50. COHEN, C Age of Acquisition and Typicality in Semantic Fluency and Mild Cognitive Impairment
51. DALLEY, BC Validating premorbid RBANS scores in older adults with amnesic MCI
52. DALLEY, BC Predicting premorbid RBANS scores in older adults
53. DEL BENE, V Trail-Making Test Performances of Patients with Amnesic and Non-Amnesic MCI
54. DEL BENE, V Financial capacity deficits in patients with amnesic and non-amnesic forms of mild cognitive impairment
55. DEL BENE, V Verbal memory decline on the California Verbal Learning Test-II (CVLT-II) in APOE4 gene carriers: A replication study
56. DEVITO, AN Examining Differences in Neuropsychiatric Symptom Prevalence by Empirically Derived Mild Cognitive Impairment Subtype
57. ECONOMOU, A Predictors of Accidents in Patients with Mild Cognitive Impairment, Mild Alzheimer's Disease and Healthy Controls in Simulated Driving
58. EDMONDS, EC Improved Staging of "Early" and "Late" MCI Using a Neuropsychological Approach
59. EMRANI, S Visual versus Verbal Serial List Learning in Mild Cognitive Impairment: A Comparison Between the BVMT-R and the CVLT-MS
60. EPPIG, J Considerable Cognitive Heterogeneity in 'Amnesic Mild Cognitive Impairment' in ADNI: A Longitudinal Latent Profile Analysis
61. EVANS, SA Initial Visit Predictors of Diagnostic Discrepancy Between Clinician and Test-Based Diagnoses of Mild Cognitive Impairment
62. GONZALES, M The Association Between Chronic Depressive Symptomatology and Cerebrospinal Fluid Biomarkers in Mild Cognitive Impairment
63. HSU, Y Prospective Memory Performance and Microstructural Correlates in Subjective Cognitive Decline and Mild Cognitive Impairment
64. LOPEZ, M Differences in Time to Conversion Between Subtypes of Amnesic Mild Cognitive Impairments
65. CHAR, D Subtypes of Amnesic Mild Cognitive Impairments and Functional Status
66. KREMEN, WS Improving the Diagnosis of MCI and the Potential for Early Identification of Alzheimer's Disease Risk
67. LAGEMAN, SK Clinical Trial Results Comparing a Neurocognitive Intervention to Supportive Therapy in Individuals with Parkinson's Disease
68. LEBOWITZ, BK White/Gray Matter Correlates of Math Fluency and Error Analysis in Community-Based Older Adults
69. LOWE, DA Dual-Task Gait Assessment in a Clinical Sample: Implications for Improved Detection of Pre-Clinical Dementia
70. COOK MAHER, A Racial Differences in Clinician-Test Diagnostic Discrepancy of Mild Cognitive Impairment with Executive Deficits
71. MIS, R Heterogeneity of Informant-Reported Functional Performance in Mild Cognitive Impairment: A Latent Class Analysis of the Functional Activities Questionnaire
72. TIMPANO SPORTIELLO, MR Comparison Between Free and Cued Selective Reminding Test and Wechsler Memory Scale-IV Edition: A Descriptive Study on Amnesic Mild Cognitive Impairment
73. NORMAN, AL Mild Cognitive Impairment: 5-Year Growth Trajectories
74. ROCHETTE, AD Mild Cognitive Impairment Category Predicts Weight Loss Following Bariatric Surgery
75. SMITH, EE A Comparison of Three Neuropsychological Instruments in Detecting Mild Cognitive Impairment (MCI) in African Americans

- 76. STEWARD, K Relationship between BDNF Val66Met Polymorphism and Processing Speed in Older Adults with Amnesic MCI and Probable Dementia
- 77. SZELES, DM Dual-Task Gait Performance in Normal Aging and Mild Cognitive Impairment Subtypes
- 78. TIMPANO SPORTIELLO, MR Visual Reproduction of the Wechsler Memory Scale-Fourth Edition as a Sensitive and Specific test for Amnesic Mild Cognitive Impairment Diagnosis
- 79. VAN PATTEN, R Enhanced clinical utility of the Modified Mini Mental State Examination compared to the MMSE in older adults with mild cognitive impairment
- 80. WASSERMAN, VJ Visual Serial List Learning in Mild Cognitive Impairment: An Analysis of Learning Curves and Errors of Commission
- 81. WEAKLEY, A Naturalistic Assessment of Task Interruption in Individuals with Mild Cognitive Impairment
- 82. HEWITT, KC Application of Virtual Reality-Based Neuropsychological Assessments within Mild Cognitive Impairment

Dementia (Non-AD)

- 83. HEWITT, KC A Neuropsychological Case Study of Dementia with Lewy Bodies
- 84. CARMICHAEL, AM Autobiographical Memory in Huntington's Disease
- 85. CHANEY, G The Neuropsychological Profile of Abnormal Feeding Behavior in Behavioral Variant Frontotemporal Dementia
- 86. CHERAN, G Structural Brain Changes in Preclinical Tauopathic Behavioral-Variant Frontotemporal Dementia (bvFTD)
- 87. SABSEVITZ, DS Early Episodic Memory Loss in Semantic Dementia: A Phenotypic Variant?
- 88. WESBECHER, K Postoperative Cognitive Dysfunction Following Total Knee Arthroplasty: A Case Study

1:15–2:15 PM

**Lunch (On Own)
Conference-Wide**

2:15–3:15 PM

**Benton / Mid-Career Awardee Presentation: Objects and Actions in the Healthy and Damaged Brain
Award Recipient: Laurel J. Buxbaum
Delaware A-B**

- 1. BUXBAUM, LJ Tools in the Mind: Objects and Actions in the Healthy and Damaged Brain

2:15–3:45 PM

**Symposium 4. Technological advances in pediatric neuropsychological assessment and intervention
Chair & Presenter: Danielle Shapiro
Discussant: H. Gerry Taylor
Presenters: Seth Warschausky, Shari L. Wade, Andrew Hurwitz
Ballroom Salon 2-3**

- 1. SHAPIRO, D Technological advances in pediatric neuropsychological assessment and intervention
- 2. WARSCHAUSKY, S Challenges in utilizing technology for accessible testing
- 3. SHAPIRO, D #BrainInjury: Using social media analysis as a naturalistic measure of change associated with acquired brain injury
- 4. WADE, SL Telehealth interventions for youth with acquired brain injury: Lessons learned
- 5. HURWITZ, A Sensors as a social intervention: Understanding how schools utilize head impact sensors
- 6. TAYLOR, H Discussion of issues raised and future directions

2:15–3:45 PM

**Symposium 5. The Present and Future of Technology in Neuropsychological Assessment: What is Feasible (and Fundable) Today, Tomorrow and in Years to Come
Chair: Melissa Lamar
Discussants: Richard Gershon, David Libon, Daniel A. Nation, Dana Penney, Jonathan King, Wendy Nilsen, Nina Silverberg, Molly Wagster
Presenters: Catherine C. Price, Dorene Rentz, Rhoda Au
Ballroom Salon 1**

- 1. LAMAR, M The Present and Future of Technology in Neuropsychological Assessment: What is Feasible (and Fundable) Today, Tomorrow and in Years to Come
- 2. PRICE, CC Digital Pen Technology
- 3. RENTZ, DM iPad and Digital Based Assessments in Clinic and Home Environments
- 4. AU, R e-Cog and e-Home Technologies: Wearable Activity Monitoring and Assessment Technology
- 5. GERSHON, R Round Table Discussion 1: Clinical & Research Neuropsychologists
- 6. KING, J Round Table Discussion 2: NIA/NIH and NSF Stakeholders

2:15–3:45 PM

1. WADE, SL
2. SCHORR, EM
3. MILLER, C
4. BUSSELL, CA
5. WILMOTH, K
6. RASKIN, S

Paper Session 4. Concussion and Traumatic Brain Injury**Moderator: Nyaz Didehbani****Maryland A-C**

Behavior Problems following Childhood TBI: The Role of Sex, Age, and Time Since Injury
 The Relationship Between Pre-Injury Internalizing Symptoms and Post-Concussive Symptoms in Children with Mild Traumatic Brain Injury and Orthopedic Injury
 Detecting ADHD symptoms in young athletes using the ImPACT
 Effects of Media Sensationalization on Cognitive Performance and Post Concussive Symptoms
 Psychological and Injury-Related Factors as Predictors of Prolonged Return to Play in Adolescents following Sports-Related Concussion
 Time Perception and Prospective Memory in People with Brain Injury

2:15–3:45 PM

1. COLVIN, LE
2. SPERLING, SA
3. DHIMA, K
4. BROWN, DS
5. HIZEL, L
6. MORAN, EE
7. COSTABILE, T

Paper Session 5. Parkinson Disease and Movement Disorders**Moderator: Dawn Schiehser****Virginia A-C**

Exploring the association between psychological characteristics and metacognition among adults with essential tremor
 Non-Motor Outcomes and Quality of Life After-Focused Ultrasound Thalamotomy in Tremor-Dominant Parkinson Disease
 A Preliminary Examination of Parkinson's Disease Subtypes and Associated Differences in Cognitive and Motor Symptom Trajectories
 Cognitive Correlates of Apathy in Parkinson's Disease
 Digestive health in Parkinson's disease relates to fatigue, pain, and affective dysfunction but not cognition
 Cognitive and Motor Functioning in Heterozygous Non-manifesting Glucocerebrosidase (GBA) Carriers
 Emotion Recognition and Psychological Comorbidity in Friedreich's Ataxia

2:30–3:45 PM**Poster Session 5. Child Medical and Neuropsychiatry****Exhibit Hall B North (Exhibition Level)****ADHD/Attentional Functions**

1. AIERBE, A
 2. AIERBE, A
 3. ALI, J
 4. ALI, S
 5. ANGERS, K
 6. BAILEY, BA
 7. BORRANI, J
 8. BROOKER, B
 9. COOK, C
 10. DE LA GARZA, V
 11. ELLIS, A
 12. GALLEGOS, C
 13. HAMILTON, SK
 14. HIDALGO, GM
 15. IRWIN, LN
 16. KATZ, LA
 17. KIM, K
 18. KORHONEN, N
 19. LEE, GJ
 20. MARCELLE, ET
 21. MILLER, C
 22. MURO, A
- Flexibility Capacity: Differences Between Young and Older People in Nesplora Aquarium Test
 Nesplora Aquarium: Utility of the Tool to Identify People with Attention-Deficit Hyperactivity Disorder
 Attention, Executive Function, and Transition to Adult Care Among Youth with Sickle Cell Disease
 Intra-Individual Variability in Children is Related to Parent Ratings of Attention, but not Teacher Ratings
 Indices of Self-Report Validity in Attention-Deficit/Hyperactivity Disorder (ADHD) Symptomatology and Its Relationship to Self-Reported Functional Impairment
 The Contribution of Executive Dysfunction to Social Self-Concept in Youth with ADHD
 Analysis of ADHD and Conduct Disorder Symptoms, Attention and Executive Functions in Juvenile Delinquents
 Differential Associations of Inattention and Impulsivity Across Modes of Neuroenhancement Behavior
 Relationship of Performance Validity Test Failure to Self-Reported Functional Impairment in Attention-Deficit/Hyperactivity Disorder (ADHD)
 Analysis of Components of Attention Under low Stimulation
 Frontal Alpha Asymmetry Predicts Inhibitory Processing in Youth with Attention Deficit/Hyperactivity Disorder
 Effects of practice on the attentional blink
 Experiential Avoidance and Attention Among Stressed Graduate Students
 Preschool ADHD but not Neuropsychological Functioning Is Associated with Elevated School-Age BMI
 Is There a Functional Relationship Between Set Shifting Demands and Hyperactivity in Children With and Without Attention-Deficit/Hyperactivity Disorder?
 Inhibitory Control in Children with Pediatric Bipolar Disorder and Attention-Deficit/Hyperactivity Disorder
 Sluggish Cognitive Tempo and Executive Functioning in Children With Learning Difficulties
 Childhood ADHD Symptoms and Intellectual Functioning in Adulthood
 The Effects of Treatment Expectancy on Subjective and Neuropsychological Outcomes in Neurofeedback (NFB) for Attention-Deficit/Hyperactivity Disorder (ADHD): A Pilot Study
 Hypertensive Pregnancy Predicts Improved Working Memory Functioning in ADHD
 Mindfulness-based Interventions as Complementary Therapy for Attention Problems
 Analysis of the components of attention in early and late adolescents

23. NITTA, ME Performance and Symptom Validity does not Impact the two Dimensional Structures of Barkley's Adult ADHD Rating Scale-IV Self-Report Measures
 24. OSTOJIC, D Using Ecological Momentary Assessments to Evaluate Extant Measures of Mind Wandering
 25. PATROS, C Predicting Adolescent Risk-Taking in Attention-Deficit/Hyperactivity Disorder: A Longitudinal Study
 26. RICHARDSON, RJ Errors on a Graphomotor Tracking Task as a Predictor of Pediatric ADHD
 27. ROECKNER, AR Comparison of Motor Cortex Physiology During Response Inhibition in Children with ADHD vs. Controls
 28. ROITSCH, J Predictors of Comfort Level in Speech-Language Pathologists (SLPs) Working with Students with Attention Deficit Hyperactivity Disorder (ADHD)
 29. ROSCH, KS Reduced Value-Driven Attentional Capture Among Children with ADHD Compared to Typically Developing Controls
 30. SULLIVAN, E Assessing the Relationship between PTSD Symptoms and Attention in a Trauma-Impacted Female Sample
 31. SWEENEY, KL Finger Tapping Speed in Preschool Predicts ADHD Status and Symptom Trajectory
 32. TADROUS-FURNANZ, SK Can Cogmed have Far-Transfer Effects on Reading for some Children with Emerging Needs?
 33. TAMEZ, S Changes of Components of Attention in Children from 4 to 7 Years of age
 34. VAN DESSEL, J The Amygdala in Attention-Deficit/Hyperactivity Disorder: Structural and Functional Correlates of Delay Aversion
 35. WALLACE, ER Attention-Deficit/Hyperactivity Disorder Malingering Detection in College Students: A Meta-Analysis of Performance and Symptom Validity Tests
 36. GONZALES, EC Socioeconomic Status and Neuropsychological Performance in College Students with and without ADHD Symptoms
- Medical/Neurological Disorders/Other (Child)**
37. GONZALES, EC Relationship Between Brain Structures and Working Memory in Preschoolers Born Preterm
 38. CUREWITZ, AM Emotional functioning in children with neurofibromatosis type 1 and Noonan syndrome
 39. HEITZER, A The Fetoplacental Ratio and Neuropsychological Functioning of Preschool-Age Children Born Prematurely
 40. HOOD, A Cognitive Developmental Trajectories in Children with Sickle Cell Disease
 41. HOOD, A IQ and Grade Retention Predict Poor Executive Functioning for Children with Sickle Cell Disease
 42. ISAAC, L Sex-Specific Processing Speed Recovery in Pediatric Brain Tumor Survivors
 43. KAMATH, NN Ethnicity, SES, and Adaptive Function as Predictors of Health-Related Quality of Life Among Children and Adolescents with Spina Bifida Myelomeningocele
 44. MATTES, A Retinopathy of Prematurity and Neuropsychological Functioning at Preschool-Age
 45. NORRIS, T Subtypes of Attention Deficits in Survivors of Acute Lymphoblastic Leukemia
 46. PIERCY, J Arterial Cord pH and Neuropsychological Functioning of Preschool-Age Children Born Prematurely
 47. PLIEGO, JA Group Differences in Neurocognitive Profiles for Children Post Heart Transplant
 48. POMMY, J Cortical Structure Associated with Executive Functions in Children Born Preterm
 49. RIEGER, RE Socioeconomic Status, Family Stress, White Matter, and Language Abilities in Preschoolers Born Preterm
 50. SKILLICORN, K Anti-NMDA Receptor Encephalitis: Serial Assessment of Bilingual 5 year old Female
 51. SVINGOS, AM Pediatric Anti-N-Methyl-D-Aspartate Receptor Encephalitis: *Aftermath of a Brain on Fire*
 52. THOMPSON, J Cognitive Outcome in Individuals with Childhood Extracorporeal Membrane Oxygenation: A Case Series
 53. TURNER, EM Dual Cases of Non-Verbal Learning Disorder Following Twin to Twin Transfusion Syndrome: Coincidence or Causality?
 54. THOMASON, MM Cognitive Effects of Subdural Empyema in an Adolescent Female
- Autism Spectrum Disorders**
55. THOMASON, MM Neurocognitive Phenotyping Distinguishes Schaaf-Yang Syndrome from Prader-Willi Syndrome
 56. BRADBURY, KR Behavioral Comparison of High-Risk and Low-Risk Toddlers Identified with the Modified Checklist for Autism in Toddlers, Revised with Follow-Up
 57. BRADSTREET, LE Relationships Between Autism Traits, Psychosis Traits, and Mentalizing in a Clinical-Community Sample
 58. CASEY, JE Differentiating Nonverbal Learning Disorder and Higher Functioning Autism
 59. DAI, Y Training Albanian Parents of Children with Autism Spectrum Disorder via Video
 60. DIAMOND, BJ Fearful Faces, Processing Speed and Autism Spectrum Disorder: Indexing Mild Autism with EEG Spectral Correlates
 61. DIAZ-ORTIZ, LM Hippotherapy and Molecular Markers in a Sample of Male Children with High Functioning Autism Disorder.
 62. EVANS, L Neurological and Behavioral Functioning in Infants at High- and Low-Risk for Autism Spectrum Disorder
 63. FLORES, A Relationship between Resting State Alpha Motor Network Synchrony and Restricted and Repetitive Behaviors in Children with ASD
 64. KOCH, S Measures of Social Perception as Predictors of Clinician-Observed and Parent-Rated Autism Symptomatology

- 65. LEE, CM Autistic Characteristics and Developmental Trajectories among Individuals with Fragile X Syndrome and Non-Syndromic Autism Spectrum Disorder
- 66. MEYERING, K Web-Based Cognitive Assessments in Individuals with Autism Spectrum Disorder and their Immediate Family Members
- 67. MILLER, LE The Relationship Between Socio-Emotional and Cognitive Development in Infants and Toddlers at Risk for a Developmental Disorder
- 68. PANFILI, DP Using Machine Learning on Resting State and DTI to Classify ASD
- 69. POWERS, MD Linguistic Diversity in Neurodevelopmental Disorders: Dual Language Exposure Relates to Cognitive Flexibility in Children with ASD but Not ADHD
- 70. RAU, S Comparing the Diagnostic Discriminability of the ADHD Rating Scale and Achenbach Checklists to Capture Comorbid Attention-Deficit/ Hyperactivity Disorder Symptoms in Autism Spectrum Disorder
- 71. SEGHATOL-ESLAMI, V Functional Connectivity of the Fusiform Face Area with the Social Brain during Action Perception in Autism
- 72. SHADA, K Executive Function in ASD, ADHD, Comorbid ASD/ADHD and Typically Developing Children Assessed Using Parent Rating Scales and Task-Based Performance Measures
- 73. SKAPEK, MF Anxiety Relates to Interference Associated with Planning and Flexibility Weaknesses in Youth with ASD

Epilepsy/Seizures

- 74. PULSIPHER, DT The Contribution of Executing Functioning to Memory Performance in Pediatric Focal and Generalized Epilepsy

Learning Disabilities/Academic Skills

- 75. ALLAIRE, T A Cluster-Analytic Approach to Examining Links Between Psychodiagnostic Profiles and Neuropsychological Task Performance Among an Outpatient Clinical Sample
- 76. BECKER, N Double Disadvantage in Reading Performance: Socioeconomic Status amplify the Effects of Learning Disabilities on Reading Performance
- 77. CIRINO, PT Contributions of Executive Function to Reading
- 78. FERNANDES, M Exploring associations among verbal language knowledge, social anxiety, and nonverbal processing in children
- 79. GUERIN, JM Direct and Indirect *Investment* of Fluid Intelligence in Word Reading in Children Evaluated for Attention-Deficit/Hyperactivity Disorder
- 80. GUERIN, JM Connecting Statistical Learning with Reading: The Importance of Task-Driven Attention and Key Mediating Variables
- 81. HARDY, LM Neuropsychological Correlates of Bilingualism in a Sample of Children with Neurodevelopmental Disorders
- 82. KIVISTO, LR What Factors Affect Children's Perceptions of Their Assistive Technology and Assistive Technology Training?
- 83. MACDONALD, K Longitudinal overlap of reading and math achievement and their predictors
- 84. OSSOWSKI, A Effects of ADHD Symptoms and Executive Function Impairments on Response to Reading Intervention
- 85. RIGGALL, E Deficits in Implicit Sequence Learning in Children with Dyslexia with and without Specific Language Impairment and Response to Reading Intervention
- 86. VADNAIS, S Right Inferior Frontal Gyrus Volume Predicts Math Calculation in Children with Reading Disability
- 87. WINTER, R Working Memory Related to Decoding Gains Across Reading Intervention in Children with Developmental Dyslexia

Other

- 88. JONES, EF Improvements in Parent Self-Efficacy Ratings Following Pediatric Neuropsychological Assessment
- 89. KIM, S Gait Variability of Children According to Walking Path Width and Motor Development Level
- 90. SCHOFIELD, H Tailoring Feedback Sessions for Young Adults with Cognitive Difficulties: Case Examples From Oncology
- 91. YAMAMOTO, A Cognitive Impairment in a Sample of Precariously Housed Youth

3:45–4:00 PM

PM Coffee Break
Exhibit Halls B North (Exhibition Level)

4:00–5:00 PM

Early Career Awardee Presentation: Neurocognitive Mechanisms Underlying Development, Course and Treatment of Major Depressive Disorder
Award Recipient: Marie-Jose van Tol
Delaware A-B

- 1. VAN TOL, M Neurocognitive Mechanisms Underlying Development, Course and Treatment of Major Depressive Disorder

4:00–5:30 PM**Symposium 6. Chronic Effects of Mild Traumatic Brain Injury in Veterans and Service Members on Cognition, Vestibular Function, Motor Performance, and Brain Imaging: A Biopsychological Model****Chair: Harvey S. Levin****Discussant: Tracy Nolen****Presenters: Heather Belanger, David F. Tate, William Walker, Elisabeth A. Wilde****Ballroom Salon 2-3**

1. LEVIN, HS
2. BELANGER, H
3. TATE, DF
4. WALKER, W
5. WILDE, EA

Chronic Effects of Mild Traumatic Brain Injury in Veterans and Service Members on Cognition, Vestibular Function, Motor Performance, and Brain Imaging: A Biopsychological Model

Chronic Effects of mTBI in Veterans and Service Members on Cognition: A Biopsychological Model

Predicting Concussion History Using Diffusion Imaging in Veterans: Results from the Chronic Effects of Neurotrauma Consortium (CENC)

The Relationship Between Historical Mild Traumatic Brain Injury and Balance Performance: A Chronic Effects of Neurotrauma Consortium (Cenc) Multi-Center Observational Study Interim Analysis

Preliminary Findings on Motor Functioning in the Chronic Effects of Neurotrauma Consortium

4:00–5:30 PM**Paper Session 6. Pediatric Neuropsychiatry****Moderator: Lana Harder****Ballroom Salon 1**

1. MASH, LE
2. CASTELLUCCIO, B
3. ADUEN, PA
4. NGUYEN, T
5. TAN, A
6. VAN DESSEL, J

Atypical Relationship Between Static and Dynamic Functional Connectivity in Autism Spectrum Disorders

Neural Mechanisms of Generalization for Language Learning in Autism Spectrum Disorder

Neurocognitive Predictors of Motor Vehicle Crashes: A Prospective Cohort Study

Language Functioning at 13 Years and its Developmental Trajectory from 2 Years in Very Preterm Children

Neurocognitive and Psychosocial Profiles of Pediatric Multiple Sclerosis and Transverse Myelitis

Distinctive Neural Response Towards Certain and Conditional Monetary Loss Anticipation in Adolescents

4:00–5:30 PM**Paper Session 7. Cognitive Reserve****Moderator: Rosemary Fama****Maryland A-C**

1. ALTENDAHL, M
2. SANDERSON-CIMINO, M
3. CAVANAGH, L
4. RHODES, E
5. MELROSE, R
6. MACPHERSON, SE

REM Sleep Associated with White Matter Integrity in Cognitively Healthy, Older Adults

Evaluation of Phenotypic and Genetic Indices of Cognitive Reserve in Middle Age

The impact of current leisure activities on cognitive and brain reserve among community-dwelling adults

Factor Structure of Grit in Older Adults: Consistency and Perseverance in Successful Aging

Compensatory Scaffolding of Prefrontal Cortex in Cognitive Aging

The Impact of Age, Aetiology and Cognitive Reserve on the Cognitive Performance of Frontal and Posterior Patients

4:00–5:30 PM**Paper Session 8. Neurocognitive Trajectory and Aging****Moderator: Kamini Krishnan****Virginia A-C**

1. KAMALYAN, L
2. BANGEN, KJ
3. YOU, MY
4. SOLDAN, A
5. COLON, JM
6. SOL, K

Effect of Lifetime Occupation Level on Cognitive Trajectory among Diverse Older Adults

Midlife Metabolic Syndrome and Late-Life Cognitive Trajectories in the Framingham Heart Study

Subjective Cognitive Symptoms Predict Cognitive and Structural Brain Aging Trajectories in Otherwise Healthy Older Adults

Self-reported lifestyle activity and relationship to longitudinal cognitive change

Relationship of African Ancestry with Cognitive Trajectory among Older Latino/as

Psychosocial Predictors of Memory Decline in a Diverse Longitudinal Sample of Older Adults

4:00–5:15 PM**Poster Session 6. Acquired Brain Injury
Exhibit Hall B North (Exhibition Level)****Acquired Brain Injury (TBI/Cerebrovascular Injury & Disease - Adult)**

1. BABAKHANYAN, I

NIH Toolbox Emotion Battery: Application of Summary Scores to Spinal Cord Injury, Traumatic Brain Injury, and Stroke

2. BABAKHANYAN, I Cognitive Changes Following Intensive Outpatient Program for Mild Traumatic Brain Injury Within a Military Cohort
3. BEDARD, M Long-term prospective memory impairment following mild traumatic brain injury with loss of consciousness
4. BELKONEN, S Symptom Report in Rural OEF/OIF/OND Veterans with TBI and PTSD
5. BODAPATI, AS Detection of Symptom Over-Reporting on the Neurobehavioral Symptom Inventory in OEF/OIF/OND Veterans with Mild TBI
6. BRAY, MJ Homelessness and the Neuropsychiatric Sequelae of Traumatic Brain Injury: A Scoping Review
7. BRENNER, EK Cognitive Reserve is Associated with Connectivity in Moderate to Severe Traumatic Brain Injury
8. BROWN, ST The Role of Neuropsychology in the Relationship Between Acquired Brain and Spinal Cord Injury
9. CASTOR, N The influence of education level on cognitive recovery in people with brain damage
10. CASTOR, N Resilience and education level in brain damaged people: does it impact on cognitive performances?
11. CONNORS, EJ The Influence of Executive Function on two Types of Verbal Learning Among Individuals with a Traumatic Brain Injury
12. CROCKER, LD Do TBI Injury Characteristics Affect PTSD Treatment in Veterans with PTSD and a History of TBI?
13. DAILEY, NS Neural Correlates of Aggression in the Chronic and Post-Acute Stages of Recovery from Mild Traumatic Brain Injury: A Diffusion Tensor Imaging Study
14. DOCKLER, LM Effect of Cognitive Deficit on Emotional Functioning following ABI
15. EPSTEIN, E Differences between Male and Female Iraq and Afghanistan Veterans in Behavioral Outcomes with co-occurring Traumatic Brain Injury and Posttraumatic Stress Disorder
16. FEDIO, AA Importance of Health Professionals Informing Brain-Injured Patients about Functional Changes
17. FRODSHAM, K Predicting Rehabilitation Outcomes Using Day-of-Injury Computed Tomography (CT): A Comparison Between Marshall and Rotterdam CT Scoring Criteria
18. GARCIA, K White Matter Integrity and Memory Impairment in TBI
19. GROSSNER, EC Frontal Network Connectivity Predicts Metacognitive Accuracy Following Moderate to Severe Traumatic Brain Injury
20. GROSSNER, EC Racial and Ethnic Differences in Discharge Destination for Individuals with Traumatic Brain Injury in Pennsylvania
21. HAMMOND, J Promoting Helmet Use on the Ski Hill: Trends in Helmet Use Among Skiers and Snowboarders After Implementation of a Policy to Mandate Employee Helmet Use
22. HAMMOND, J Using the Transtheoretical Model of Behavior Change to Promote Bicycle Helmet Use: An Analysis Based on Stage of Change and Other Features
23. HAN, T Relationship Between Cognitive Complaints, Mood, Life Satisfaction, and Participation in a Traumatic Brain Injury Sample Presenting for Outpatient Rehabilitation
24. HANKS, R Prediction of Cognitive Outcomes from Diffusion Tensor Imaging in Traumatic Brain Injury
25. HARMELL, AL Subjective Cognitive Complaints among Older Veterans with Traumatic Brain Injury are Related to PTSD Symptoms
26. HOLIDAY, KA Hippocampal Volume Independently Predicts Subjective Memory Complaints in Mild Traumatic Brain Injury
27. HROMAS, G The effect of ocular convergence insufficiency following traumatic brain injury on performance during a computerized neuropsychological screener
28. IVERSON, GL A Two-Week Intensive Clinical Program for Veterans with Traumatic Brain Injury and Psychological Health Problems
29. JANULEWICZ, PA Self- Reported Mild Traumatic Brain Injury (mTBI) and Toxicant Exposures During the 1991 Gulf War and Gulf War Illness: The Boston Gulf War Illness Consortium
30. KANSER, R Utility of WAIS-IV Digit Span Indices as Measures of Performance Validity in Complicated-Mild to Severe Traumatic Brain Injury
31. KAUP, AR Feasibility of Mobile Cognitive Intervention among Older Veterans with Traumatic Brain Injury: Preliminary Findings from the BRAVE Training Study
32. KEY-DELYRIA, S Using Cognitive Profiles in Individuals With and Without Mild Closed-Head Injury to Predict Sentence Comprehension Performance
33. KILLGORE, WD Blue Light Therapy Accelerates Brain and Cognitive Recovery from Mild Traumatic Brain Injury
34. LA CORTE, V Neuropsychological rehabilitation for prospective memory deficits in traumatic brain injury: a new ecological treatment in virtual reality
35. LANGAN, LM Refining Test Batteries Appropriate for Patients with Craniocerebral Gunshot Wounds Undergoing Pre-Surgical Assessments
36. LIPPA, SM The Relationship between Plasma Amyloid and Neurocognition Following Mild Traumatic Brain Injury: A Longitudinal Analysis
37. LIPPA, SM The Relationship between Plasma Tau and Amyloid and Diffusion Tensor Imaging Following Mild Traumatic Brain Injury
38. LOPEZ, W Memory Process Deficits in Retired Professional Football Players
39. MARRA, DE Re-analyzation of Belanger and Colleagues' (2005) mTBI Meta-Analysis via Meta-Regression
40. MERRITT, VC APOE-ε4 Genotype Modifies the Relationship Between TBI History and Neuropsychological Performance in Military Veterans
41. MEYER, J Prevalence of Subconcussive Head Trauma, Traumatic Brain Injury, and Hypoxic Brain Injury in Victims of Intimate Partner Violence and Potential Long Lasting Effects on Cognitive Functioning

42. MULLEN, CM Subjective Cognitive Complaints and Emotional Symptoms in Veterans with Polytrauma and Mild Traumatic Brain Injury
 43. PERNA, R Case Study: Disorder of Consciousness to full Functional Recovery
 44. POLEJAEVA, E Relation between apathy, depression, and symptoms of Posttraumatic Stress Disorder in mild Traumatic Brain Injury
 45. RAIKES, AC Grey Matter Volumetric Differences with Increasing Numbers of Previous Mild Traumatic Brain Injuries: A Voxel-Based Morphometric Study
 46. RAIKES, AC Increased Cerebellar Grey Matter in the Presence of Decreased Subjective Sleep Quality Following Mild Traumatic Brain Injury
 47. ROWLAND, J Changes in Resting-State Network Topology Associated with the Development of Posttraumatic Stress Disorder Following Deployment Acquired Traumatic Brain Injury
 48. SALINAS, SL The Effects of Polytrauma on Neuropsychological Performance: Veterans with Mild Traumatic Brain Injury
 49. SORG, SF The Relationship Between Subjective and Objective Memory Performance, PTSD Status and Injury Severity in Veterans with History of Mild Traumatic Brain Injury
 50. STROM, J Associations Between Time Since Injury and Cognitive Recovery Across Mechanism of Traumatic Brain Injury: Preliminary Evidence for Protracted Cognitive Recovery in Blast-Related Neurotrauma
 51. SUNDERARAMAN, P The Influence of Impulsivity on Financial Capacity in Individuals with Chronic Acquired Brain Injury (CABI)
 52. TERRY, DP Pre-Injury Migraine History as a Risk Factor for Prolonged Return to School and Sports Following Concussion
 53. TERRY, DP Perceived Injustice is Associated with Worse Outcome from Mild Traumatic Brain Injury
 54. TIBBS, J Exploring the Role of Alcohol and Substance Use on Neuropsychological Status During Post-Acute Rehabilitation in Survivors of Traumatic Brain Injury
 55. TREBLE-BARNA, A Epigenetic Changes in the Brain-Derived Neurotrophic Factor (BDNF) Gene Following Traumatic Brain Injury: Preliminary Findings
 56. TUPLER, LA Impairments in Crystallized and Fluid Intelligence in Veterans with History of Traumatic Brain Injury: Influence Through Effects of Severity and Multiplicity of Trauma on Depression and Posttraumatic Stress Disorder
 57. UCHANI, SD Adverse Childhood Experiences and Neuropsychological Outcomes Among Adults with Moderate to Severe Traumatic Brain Injury: Preliminary Results
 58. UKUEBERUWA, DM Baseline Personality and Psychopathology Symptom Reporting of Veterans within a TBI/PTSD Program
 59. VACCARIELLO, E Examining the Cognitive Proficiency Index in Rehabilitation Patients
 60. VASUDEVAN, RS Examination of Symptom Over-Reporting and Self-Reported Pain and Depression in Iraq and Afghanistan Veterans with Mild Traumatic Brain Injury
 61. WALKER, A Use of Performance Validity Tests in Acute TBI
 62. WALSH, MJ Regional Gray Matter Volumetric Differences Predict Fatigue Symptoms in Veterans with Mild Traumatic Brain Injury
 63. WARE, AL High-Definition Fiber Tracking Study of the Executive Control Network in Blast-Related Traumatic Brain Injury
 64. WEICHSELBAUM, A Revealing Subtle Cognitive-Linguistic Differences in Adults with Mild Traumatic Brain Injury Through Discourse Analysis
 65. WENDEL, C LONG-Term Outcome After Stroke: What Contributes to Participation?
 66. WRIGHT, MJ Semantic Clustering Partially Mediates Encoding Deficits in Traumatic Brain Injury
 67. ZANE, KL An Exploration of Neuropsychological Status and Diffusion Tensor Imaging Findings in Adults with Mild to Severe Chronic Traumatic Brain Injury
 68. ZANE, KL An Examination of Neuropsychological Performance in Adults with Mild to Severe Chronic Traumatic Brain Injury
- Acquired Brain Injury (TBI/Cerebrovascular Injury & Disease - Child)**
69. DYKSTRA, JB Adolescent maladaptive illness beliefs predict prolonged concussion recovery
 70. ESCHLER, BD Internalizing and Externalizing Symptomatology Following Pediatric Traumatic Brain Injury: A Meta-Analysis
 71. GOODRICH-HUNSAKER, NJ Integrity of the corpus callosum predicts outcomes of pediatric mild traumatic brain injury
 72. HAIGHT, A Exploring the relationship between social and empathetic performance in pediatric TBI
 73. HASHEMIAN, N Effects of Premorbid Attention-Deficit/Hyperactivity Disorder (ADHD) on Postconcussion Symptoms in Adolescents
 74. HASSARA, K Language Outcomes in Children with Arterial Ischemic Stroke
 75. HUANG, W Neurocognitive Functions and Psychosocial Adaptions In Survived Children With Posterior Fossa Tumor
 76. KOEHL, LM Irritability and Aggression as Indicators of Concussion Symptoms in a Pediatric Population
 77. LACE, JW Convergent and Divergent Validity between ImPACT and CPT-3 in Adolescents with Mild Traumatic Brain Injury
 78. LACE, JW Relationships between Parent- and Self-Reported Executive Dysfunction in Adolescents with Mild Traumatic Brain Injury

79. LEBLOND, E Neurocognitive Outcomes of Methylphenidate Treatment for Secondary Attention Deficit Hyperactivity Disorder Following Pediatric Traumatic Brain Injury
80. LEDOCHOWSKI, J Mental Health Outcomes in Children with Unilateral Basal Ganglia Arterial Ischemic Stroke and Secondary Dystonia
81. LENGENFELDER, J Attention After Pediatric Brain Injury: Objective Assessment Versus Parent Report
82. LIU, JR Association Between Depressive Symptoms in Post-Concussional Children and Adolescents and Missed School Days Following Concussion
83. MCLEAN, E Empathy in Pediatric Traumatic Brain Injury (TBI)
84. ROY, AA Use of the Cognitive and Linguistic Scale (CALS) and the Functional Independence Measure for Children (WeeFIM) in a Pediatric Brain Injury Population
85. SKEEL, R Survey of Professionals' Recommendations for Rest following Concussion
86. WADSWORTH, H Concussion Symptom Reporting in Male and Female Adolescent Ethnic Minority Athletes
87. WILSON, C Associations of Attention Problems Following Early Childhood Pediatric Traumatic Brain Injury
88. WRIGHT, KL White Matter Hyperintensities in Pediatric TBI: Comparison of Imaging Methods
89. YEATES, KO Headache Long After Pediatric Concussion: Severity and Relation to Subjective and Objective Cognitive Functioning
- Acquired Brain Injury (TBI/Cerebrovascular Injury & Disease - Adult)**
90. ETTHENHOFER, M Multimodal Neuropsychological Assessment in Chronic Traumatic Brain Injury: The Fusion Project
91. ETTHENHOFER, M Saccadic Evidence for Reduced Cognitive Efficiency in Chronic Traumatic Brain Injury
92. ENGLE, J Subjective Mental Workload and Motor Impairment in Traumatic Brain Injury
93. HERSHAW, J Identification of Measurable Cognitive Processing Differences in Chronic TBI Using Pupillometry

5:30–6:30 PM

Plenary C. Linking Brains to Machines: From Basic Science to Neurological Neurorehabilitation
Presenter: Miguel Nicolelis
Ballroom Salon 2-3

1. NICOLELIS, M Linking Brains to Machines: From Basic Science to Neurological Neurorehabilitation

7:00–9:00 PM

Student Social, Hosted by the INS Student Liaison Committee
To Be Announced

FRIDAY, FEBRUARY 16, 2018**7:20–8:50 AM**

CE Workshop 9. Vulnerability to Post Traumatic Distress Disorder After Traumatic Brain Injury; Chronic Stress and Accelerated Aging
Presenter: John B. Williamson
Ballroom Salon 1

1. WILLIAMSON, JB Vulnerability to post traumatic distress disorder after traumatic brain injury; chronic stress and accelerated aging

7:20–8:50 AM

CE Workshop 10. Cognitive and Brain Aging: Neurodegeneration, Cumulative Risk and Etiological Factors, or Epigenetic Phenomena?
Presenter: Ron A. Cohen
Maryland A-C

1. COHEN, RA Cognitive and brain aging: Neurodegeneration, cumulative risk and etiological factors, or epigenetic phenomena?

8:15–9:00 AM

INS Business Meeting (Business & Bakeries)
INS President: Michael Kopelman
Ballroom Salon 2-3

9:00–10:00 AM

Plenary D. Where Neuromodulation and Neuropsychology Meet – Promoting Plasticity to Enhance Brain Health
Presenter: Sarah H. Lisanby
Ballroom Salon 2-3

1. LISANBY, SH Where Neuromodulation and Neuropsychology Meet – Promoting Plasticity to Enhance Brain Health

10:00–10:15 AM**AM Coffee Break**
Exhibit Halls B North (Exhibition Level)**10:15–11:45 AM****Invited Symposium 3. Challenging the Status Quo: Future Directions in Cultural Neuropsychology**
Chair: April Thames
Presenters: Monica Rivera Mindt, Desiree Byrd, Jennifer J. Manly, Tedd Judd
Ballroom Salon 2-3

1. THAMES, A
2. RIVERA MINDT, M
3. BYRD, D
4. MANLY, JJ
5. JUDD, T

Challenging the status quo: Future directions in Cultural Neuropsychology
 Integration of Cultural and Linguistic Competency into Neuropsychology Training
 Cross cultural neuropsychological research: Developments and forecasts
 Advocacy in Cultural Neuropsychology
 Global Neuropsychology Priorities

10:15–11:45 AM**Symposium 7. Bringing Neuropsychology to the People: Transforming Our Knowledge of Executive Function (EF) Phenotypes into Effective Community-based Interventions for Children**
Chair & Presenter: Lauren Kenworthy
Discussant: Hilde Geurts
Presenters: Kristina K. Hardy, Shari L. Wade, John Strang
Ballroom Salon 1

1. KENWORTHY, L
2. KENWORTHY, L
3. HARDY, KK
4. WADE, SL
5. STRANG, JF

Bringing Neuropsychology to the People: Transforming Our Knowledge of Executive Function (EF) Phenotypes into Effective Community-Based Interventions for Children
 Evidence for Cross-Diagnosis Efficacy of School-Based Unstuck and On Target Executive Function Intervention in Low Income Communities
 Applying Contingency-Based Behavioral Management Strategies to Treat Cognitive Inflexibility in Children with ADHD and ASD: Development and Efficacy of a School-Based Intervention in Low-Income Communities
 Epilepsy Journey: An E-Health Intervention to Improve Executive Functioning in Adolescents with Epilepsy
 Improving Autistic Adolescent Executive Function Skills: Development and Evaluation of the On Target for Life School Curriculum

10:15–11:45 AM**Symposium 8. Toward a biomarker-only diagnosis of Alzheimer's disease**
Chair & Presenter: Adam M. Brickman
Presenters: Clifford Jack Jr, Adam M. Brickman, Mark W. Bondi, Jennifer J. Manly
Maryland A-C

1. BRICKMAN, AM
2. JACK JR, C
3. BRICKMAN, AM
4. BONDI, MW
5. MANLY, JJ

Toward a biomarker-only diagnosis of Alzheimer's disease
 Implications of a biologically based definition of Alzheimer's disease
 Diagnosing Alzheimer's disease with biology not behavior: Are we there yet?
 Improving neuropsychological characterization of the preclinical period of Alzheimer's disease
 Will research on disparities in Alzheimer's Disease benefit from a biomarker-focused classification framework?

10:15–11:45 AM**Paper Session 9. Alcohol and Substance Abuse**
Moderator: Michael Kirkwood
Virginia A-C

1. FAMA, R
2. GONZALEZ, R
3. WADE, NE
4. SCOTT, J
5. OBERMEIT, LC
6. LEVINE, TA

Neural Correlates of Selective Cognitive and Motor Deficits in Alcoholism
 Reward Sensitivity and Motivation among Adolescent Cannabis Users
 Aerobic Fitness and Marijuana Use Interact to Predict Neuropsychological Functioning in Emerging Adults
 A Meta-Analysis of Cannabis and Cognitive Functioning in Adolescents and Young Adults
 The Impact of Methamphetamine Dependence, HIV, and Frontal Systems Dysfunctions on the Relationship Between Sexual Risk Intentions and Behaviors
 Early Inhibitory Control and Spatial Working Memory Abilities of Children Prenatally Exposed to Methadone

10:15–11:45 AM

**Panel Discussion, Presented by the INS Student Liaison Committee:
Technology and New Approaches in Cognitive Rehabilitation
Presenters: Jonathan Evans, Bruce Luber, Sarah S. Morimoto, Matthew Kurtz
Delaware A-B**

10:15–11:30 AM

**Poster Session 7. Assessment Across the Lifespan
Exhibit Hall B North (Exhibition Level)**

Assessment/Psychometrics/Methods (Adult)

1. AHRENS, AP Deconstructing the Relationship Between Computerized Neurocognitive Assessment Tools (NCATs) and Mild Traumatic Brain Injury (mTBI) Symptomatology
2. AITA, SL An Examination of the Construct Validity of CNS Vital Signs Using EFA
3. ARMSTRONG, G A Computerized Version of the Color Trails Test
4. ARMSTRONG, G Generating Neuropsychological Assessment Profiles Using Latent Class Analysis
5. AVILA, J Investigating Measurement Invariance of English and Spanish Versions of the National Alzheimer's Coordinating Centers Uniform Dataset Neuropsychological Battery in Hispanics
6. BEACH, J Pain Catastrophizing Predicted by Emotional Distress and Cognitive Function in Chronic Pain Sample
7. BERG, J Comparing the Boston Naming Test and the Neuropsychological Assessment Battery Naming Subtest in an Outpatient Memory Disorders Clinic
8. BERNSTEIN, J Evaluating the Construct Validity of the King-Devick Test in a Psychological Outpatient Clinical Sample
9. BLOCH, A A New Vision for Neuropsychological Assessment: Unlocking the Gate to Rehabilitation for Individuals with Brain Damage
10. BOLCEKOVA, E Interference Scores In Trail Making Test And Prague Stroop Test Do Not Seem As Valid
11. BRUNETTE, AM Discriminative Measures In Patients With Neurodegenerative Diseases
12. CAMPBELL, ME Is Episodic Future Thinking Important for Instrumental Activities of Daily Living? A Study in Neurological Patients and Healthy Older Adults
13. CARRIÓN, CI A Comparison of Canadian and American Normative Scores on the Wechsler Adult Intelligence Scale-Fourth Edition in a Traumatic Brain Injury Population
14. CHAN, M Alertness Maintenance Tasks Improve Driving Behaviors for Younger and Older Adults
15. DAVIS, J Associations Between the Everyday Cognition (ECog) Scales and Neuropsychological Performance Among Diverse Racial/Ethnic Groups
16. DONDEERS, J Estimating Premorbid Ability in Rehabilitation Patients Using the Test of Premorbid Functioning and Wide Range Achievement Test-4
17. FEIRSEN, N SCREENING FOR DEPRESSION AFTER TRAUMATIC BRAIN INJURY
18. FEIRSEN, N The Attention, Memory, and Frontal Abilities Screening Test (AMFAST): A Normative Study in Children & Adults
19. FORRESTER, RA The Attention, Memory, and Frontal Abilities Screening Test (AMFAST): A Clinical Efficacy Study in Children and Adults
20. GALLANTER, EB Independent Components of Visual-Spatial Perception are Factorially Related to Specific Dimensional Components of Intelligence and Spoken Language
21. GAVRON, L Characterizing procedural learning and memory with perceptual-motor sequence tasks
22. GRABYAN, JM Elevations on the MMPI-2-RF Neurological Complaints and Cognitive Complaints Scales and Performance on Effort Measures on Neuropsychological Testing in Veterans
23. GRETH, Z Performance on the First Trial of the Word Memory Test Predicts Failure on Later Trials
24. HAM, L Abbreviated Validity Testing: Differential Performance Between Litigating and Non-Litigating Clinical Outpatients
25. HOCHBERGER, WC Using Wearables to Measure Pauses During Everyday Activities
26. HURTUBISE, J Augmenting Brief Cognitive Screens with Assessment of Judgement: Integration of The Test of Practical Judgement (TOP-J) and the Montreal Cognitive Assessment (MoCA)
27. JACKSON, GM Performance Validity Indicators Embedded Within the D-KEFS Trails
28. JENNETTE, K Construct Validity of Montreal Cognitive Assessment Index Scores in Cognitively Normal Adults
29. KEITH, C The Influence of Binge Drinking Behavior on Verbal Learning and Memory Strategy in Young Adults
30. KOSMIDIS, MH Relationships Among Self-Reported Sleep, Somatic Complaints, and Cognitive Performance in a Mixed Clinical Sample of Older Adults
31. KRISHNAN, K Neuropsychological Outcome and Cognitive Reserve Following Cardiac Surgery Employing Cardiopulmonary Bypass
32. MARTINDALE, SL Computerized Assessment of Cognitive Function in Older Adults
33. MARTINEZ, F Symptom Burden and Cognitive Outcomes in Iraq and Afghanistan Veterans: The Role of Validity
34. MBURU, T A Role for Neuropsychology in Preventive Healthcare: Executive Ability Predicts Physical Injuries in Healthy Young Adults
35. MESSA, I Underutilized Psychometric Correlates of Executive Function in TBI
36. MESSA, I Use of the WCST and WCST-64 in the Assessment of First Episode Psychosis

37. MIDDLETON, K Validation of a Modified Reitan-Wolfson Screening Test Using MRI Findings in a TBI Population
 38. MILLER, JB Performance validity tests and associations with hippocampal volume in neurodegenerative disease
 39. MONTGOMERY, V Preliminary evaluation of demographic adjusted MoCA scores and functional competence in post-acute rehabilitation
 40. NDUKWE, N Quantifying a Relationship Between Somatic Concerns and Frequency of Exercising
 41. OJEDA, N Estimation of cognitive performance based on the premorbid intelligence in Parkinson's disease
 42. PAULSON, J Replication of the Embedded Performance Validity Index within the Memory Module of the Neuropsychological Assessment Battery (NAB)
 43. PETERSON, J Use of the Victoria Symptom Validity Test to evaluate performance validity in baseline concussion testing
 44. QUINN, C Development and Preliminary Evaluation of an Alternate form of the Test of Practical Judgment
 45. RHYNER, KT Equivalence of HVLIT-R Forms in a Veteran Population
 46. ROYE, S The Compensatory ADHD Behaviors Scale (CABS): Development and Initial Validation
 47. SAGAR, S The Development of the Hyperactivity/Inattention Trait Scale for the Detection of Feigned Attention-Deficit/Hyperactivity Disorder: A Preliminary Examination
 48. GÁNDARA MARTÍNEZ, M Investigating the Relationship of Word Reading Tests and Verbal/Nonverbal Intelligence Measures in Spanish in a Mexican Sample
 49. SOBER, J Measurement Invariance of a Verbal Fluency Task for the Oldest Old
 50. TAYLOR, S Examination of the Repeatable Battery for the Assessment of Neuropsychological Status Performance Validity Index in a Chronic Pain Sample
 51. TOLLE, KA The Implications of Different Cutoff Scores for the Montreal Cognitive Assessment (MoCA)
 52. TRIFILIO, E Neuroanatomical Correlates of an Alternative Story Memory Test in Older Adults: The Left Trumps the Right
 53. UDALA, MR Cognitive Functioning and Psychopathology in a Traumatic Brain Injury Sample
 54. VALENTINE, TR Clinical Predictors of Subjective Cognitive Functioning Among Medically Healthy Younger Adult Neuropsychology Patients: An MMPI-2-RF Study
 55. VERMILION, B See what I'm Saying: Speechreading Facilitates Accuracy on List-learning
 56. WEBBER, TA Utility of Various WAIS-IV Digit Span Indices for Predicting Noncredible Performance in Older Veterans With and Without Cognitive Impairment
 57. WEITZNER, D The Relationship Between Self-Reported Executive Dysfunction and Self-Reported Everyday Functioning in Older Adults
 58. WONG, CG Verbal Memory Performance Under Real and Simulated Hearing Loss Conditions
 59. WOOD, AE Rey-Osterrieth Figure Copy Size and Cognitive Functioning in Veterans
 60. YESIAN, R Third Party Observers and the California Verbal Learning Test-2: A Preliminary Analysis
 61. YOCHIM, B Performance on the Verbal Naming Test in Individuals with Left Hemisphere Stroke
 62. ZUCCATO, BG Early Bird Fails the PVT? The Effects of Timing Artifacts on Performance Validity Tests
- Assessment/Psychometrics/Methods (Child)**
63. AUSTIN, CA Multifactor Predictors of Parent Satisfaction with Neuropsychological Assessment
 64. BARTLETT, AN The Association of the Grooved Pegboard Test to Everyday Motor Skills
 65. DEASLEY, S Screening and Identification of Developmental Coordination Disorder in Children With and Without ADHD
 66. GONZALEZ, I Comprehensive Pediatric Neuropsychological Clinical Battery in Spanish: A Case Study
 67. GREEN, R Developmental Trends of Neuropsychological Function in Mexican Youth using The Cambridge Neuropsychological Test Automated Battery (CANTAB)
 68. GREIF, SM Criterion Validity of the Memory Validity Profile in a Diagnostically Heterogeneous Clinical Pediatric Sample
 69. HENNRICK, H Significant Discrepancy Between Digit-Span Forward and Backward Impacts Relationship Between Working Memory and Executive Functioning
 70. LAJINESS-O'NEILL, R Development and Validation of *PediaTrac*: A Web-Based Tool to Screen and Track Developing Infants
 71. MOORE, MW Role of Socioeconomic Status in the Relationship Between Parent and Performance-based Measures of Executive Function in Children with ADHD
 72. NOONAN, N Children in an Inpatient Setting Perform with Significant Weakness on Several Common Neuropsychological Measures When Compared to an Outpatient Sample
 73. ROLIN, S Utility of the Memory Validity Profile in Detecting Performance Invalidity in a Pediatric Sample
 74. SEESE, S A Multimodal Research Battery for Assessing Executive Function Skills in Autistic Teens
 75. SWICK, C Criterion Validation of the Social-Emotional/Communication Domain of *PediaTrac*™, an Infant Screening Tool
 76. TEAGUE, AM Test of Memory Malingering (TOMM) performance and utility of trial 1 score in a pediatric sample
 77. THOMAS, C The effect of home location on performance on a phone-based memory task in rural Zambia
 78. TURNER, EM Identification of Embedded Effort Measures Using the Children's Memory Scale

Other

79. KISELICA, A What is the Clinical and Economic Value of a Neuropsychological Assessment? A Systematic Review

11:45 AM–12:45 PM**Plenary E. Neuropsychology and Neuroimaging of Alcohol Use Disorder With and Without Korsakoff Syndrome: A Better Understanding for a Better Treatment****Presenter: Anne Lise Pitel**
Ballroom Salon 2-3

1. PITEL, A

Neuropsychology and neuroimaging of Alcohol Use Disorder with and without Korsakoff syndrome: a better understanding for a better treatment

12:45–1:45 PM**Lunch (On Own)**
Conference-Wide**1:45–3:15 PM****Invited Symposium 4. From Genes to Behavior in ADHD – How is the Brain Involved?****Chair: Barbara Franke****Presenters: Marta Ribases, Janita Bralten, Stephen V Faraone, Barbara Franke**
Ballroom Salon 2-3

1. FRANKE, B
2. RIBASES, M
3. BRALTEN, J
4. FARAONE, S
5. FRANKE, B

Attention-deficit/hyperactivity disorder (ADHD): emerging insights into a category at the extreme of a population continuum

Genetics of ADHD across the lifespan

Categories at the extreme of population distribution of behaviour – the real nature of neurodevelopmental disorders?

Adult onset ADHD – what is the evidence really?

From genes to behaviour in ADHD – how is the brain involved?

1:45–3:15 PM**Symposium 9. Transcranial direct current stimulation in older adults****Chair & Presenter: Benjamin M. Hampstead****Presenters: Jaclyn Reckow, Annalise Rahman-Filipiak, Adam Woods****Ballroom Salon 1**

1. HAMPSTEAD, BM
2. RECKOW, J
3. RAHMAN-FILIPAK, AM
4. WOODS, AJ
5. HAMPSTEAD, BM

Transcranial direct current stimulation in older adults

Tolerability and blinding of 2mA versus 3mA in cognitively diverse older adults receiving HD-tDCS

Why did a single-session of 3mA HD-tDCS have no effect on object location memory or working memory in older adults? A methodological evaluation

Functional neural mechanisms of tDCS-related working memory improvement in older adults

Neurophysiological effects of high-definition transcranial direct current stimulation in older controls and patients with mild cognitive impairment

1:45–3:15 PM**Paper Session 10. Bipolar Disorder and Schizophrenia****Moderator: Jimmy Choi****Maryland A-C**

1. RYMAN, S
2. CRAWFORD, JL
3. KARPOUZIAN, T
4. ALDEN, EC
5. CALLAHAN, BL
6. NGUYEN, TT

Impaired Theta Power and Connectivity During Proactive Cognitive Control in Schizophrenia

Facial Affect Recognition and Memory Impairment in Schizophrenia

Reduced Task-Evoked Pupillary Response on an Executive Control Task in Individuals across the Psychosis Spectrum and Relatives with Elevated Psychosis Spectrum Personality Traits

Verbal working memory and hippocampal surface anatomy in high and low functioning schizophrenia

Early Signs of Dementia in Bipolar Disorder

Apolipoprotein E (APOE) Genotype is Associated with Poorer Executive Function in Bipolar Disorder

1:45–3:15 PM**Paper Session 11. MCI and Dementia****Moderator: Heidi C. Rossetti****Virginia A-C**

1. THOMAS, KR
2. WEIGAND, AJ
3. NATION, DA
4. VAKIL, E
5. OSBORN, KE
6. SHANY-UR, T
7. DEVAUGHN, S

Using Process Scores to Identify Subtle Cognitive Decline and Predict Progression to MCI

Inaccuracy of Subjective Cognitive Complaints in the Diagnosis of Mild Cognitive Impairment

Circulating Progenitor Cells Correlate with Memory, Posterior Cortical Thickness and Hippocampal Perfusion

Facial Expressions Yielding Context Memory Effect: The Additive Contribution of Eye Movements

Verbal Memory Performance Across Preclinical Alzheimer's Disease (AD) and Suspected Non-AD

Pathophysiology Cerebrospinal Fluid Biomarker Profiles

Neuroanatomy of Recognizing Realistic versus Static Emotions in Neurodegenerative Diseases

The Differential Cognitive and Neural Substrates of Episodic Memory Performance in Semantic

Variant Primary Progressive Aphasia and Alzheimer's Disease

1:45–3:00 PM**Poster Session 8. Adult Neurological
Exhibit Hall B North (Exhibition Level)****Behavioral Neurology/Cerebral Lateralization/Callosal Studies**

Adaptive Behavior in Agenesis of the Corpus Callosum: Self and Informant Reports
Fused Dichotic Word test: A comparison of standard vs computer-mediated administration

Epilepsy/Seizures

1. MILLER, JS
2. STEFANATOS, C

3. ALVERSON, WA
4. ALVERSON, WA
5. BUSCH, RM

6. EHRLICH, TJ

7. ELVERMAN, KH
8. FANTO, EJ
9. FIUMEDORA, MM
10. GRANT, A
11. KATZ, N

12. KHURSHID, K
13. LOBLEIN, H
14. LUCCHETTI, A
15. MAIMAN, M
16. MAIMAN, M
17. MAIMAN, M

18. MCCLEARY, KR

19. ONO, K
20. PINJALA, M
21. QUASNEY, EE

22. REALE-CALDWELL, A
23. RESCH, Z
24. SABSEVITZ, DS

25. SALINAS, SL
26. SCHRAEGLE, W

27. SLUGH, M

28. SRNKA, KD

29. STEFANATOS, AK

30. BANERJEE, NS
31. CHANEY, C
32. CROWLEY, SJ
33. HARRIS-RAINS, K
34. HENDERSHOTT, T
35. LARUM, A
36. LOPEZ, FV
37. PLUIM, CF
38. PULASKI, S
39. RAEIN, KL
40. ROSEN, SA
41. SACCÀ, F

Interrelations Among Cognition, Symptom Validity, Depression, and Self-Reported Disability
WHODAS 2.0 and Symptom Validity in an Inpatient Seizure Disorder Sample
ILAE Hippocampal Sclerosis Subtype is Related to Verbal Memory Performance in Temporal Lobe Epilepsy

The Role of Executive Functioning in Quality of Life for Adults with Treatment-Resistant Temporal Lobe Epilepsy

A Cluster Analytic Approach to Exploring Cognitive Phenotypes in Temporal Lobe Epilepsy

The relationship of language and explicit memory in pediatric epilepsy

Self-Report and Objective Memory Deficits in Temporal Lobe Epilepsy

Memory and Executive Functions in Children with Frontal and Temporal Lobe Seizures

Neurocognitive Functioning Pre and Post Surgery in a Male Adult with Epilepsy Secondary to Gun Shot Wound: A Case Study

Olfactory Dysfunction in Epilepsy

The Role of Stigma in Depression and Anxiety in Youth with Epilepsy

Using Epilepsy Risk Factors to Predict IQ in Pediatric Patients

Does Executive Dysfunction Predict Behavioral Problems in Children with Focal Epilepsy?

Does Working Memory Predict Math and Reading Skills in Children with Epilepsy?

Observed sex differences with the Repeatable Battery for the Assessment of Neuropsychological Status (RBANS) in adult epilepsy patients

The Safety and Efficacy of Propofol as a Replacement for Amobarbital in Intracarotid Wada Testing of Pre-surgical Epilepsy Patients

Psychosocial Comorbidities in Children and Adolescents with New Onset Seizures

Relationship of Cognitive Functioning to Quality of Life in Patients with Epilepsy

Wada Language Lateralization Index (LI) and Wada Memory Asymmetry (WMA) Scores as

Predictors of Verbal Memory Decline After Left Anterior Temporal Lobectomy (L-ATL)

Predictive Ability of Verbal Memory Tests in Post-Operative Epilepsy Patients

5-year Longitudinal Change in Attentional Vigilance in Childhood Epilepsy

Does Memory Decline Really Matter Following Epilepsy Surgery? Impact of Memory Decline on Perceived Cognitive Functioning in a Sample of Left Anterior Temporal Lobectomy (ATL) Patients With Well Controlled Seizures

Gender Differences on a Test of Spatial Memory Among Patients with Epilepsy

Neuropsychological Functioning in Youth with Temporal Lobe Epilepsy With or Without Hippocampal Sclerosis: An Unexamined Cognitive Phenotype?

Examining Cutoff Values of Elevated BDI and BAI Scores in Relation to Validity Scales on the MMPI-2-RF in Adults with Epilepsy

Intraindividual Variability Mediates Five Year Longitudinal Relationship With Age of Diagnosis, IQ, and Academic Achievement

Neuropsychological Outcomes of Adolescents Following Hemispherectomy: A Multiple Case Study

Movement and Movement Disorders

Age-related Differences in the Association Between Cardiometabolic Risk Factors and Cognition in Parkinson's Disease

Clinical Utility of Neuropsychological and Olfactory Measures in the Differential Diagnosis of Parkinson's Disease

Cognitive Phenotypes in Early Idiopathic Parkinson's Disease

Title: The Unique Contribution of Motor, Cognitive, and Mood Symptoms to Functional Impairment in Parkinson's Disease

Cognitive and Motor Processes Differentially Affect Visuospatial Performance in HIV Infection and Parkinson's Disease

Non-Motor Symptoms in Men and Women with Parkinson's Disease: Impact on Quality of Life

Medication Management in Parkinson's Disease: Novel Error Analysis Reveals Those with MCI Indicated Taking Fewer Pills than Instructed on a Performance-Based Task

Are Apathy and Fatigue Distinct Symptoms in Parkinson's Disease?

Cognitive Impairment and its Relationship to Perceived Quality of Life in Parkinson's Disease

Patient and Care Partner's Priorities for Cognitive Treatment Outcomes in Parkinson's Disease

The Verbal Series Attention Test (VSAT) as a Measure of Executive Functioning in Parkinson's Disease

Brain Functional Changes and Cognitive Dysfunction in Friedreich's Ataxia

42. SALAZAR, R
43. SARNO, M
44. SCOTT, BM
45. SPLIT, M
46. THORN, J
47. VANDEBUNTE, AM
48. ANAND, D
49. BARLOW-KRELINA, E
50. CHAPMAN, K
51. COSTABILE, T
52. CRIVELLI, L
53. DE SOMMA, E
54. DI BENEDETTO, MC
55. HAGUE, C
56. HAKE, P
57. HOFFMEISTER, J
58. LEBKUECHER, A
59. MEDINA, LD
60. NEUFELD, R
61. PITTERI, M
62. RANDOLPH, J
63. RAPHAEL, A
64. SANCHEZ, O
65. SCHMIDT, ST
66. SPADONI, G
67. SPIROU, A
68. TIRRI, DJ
69. EVANS, J
70. HANSEN, J
71. JAYWANT, A
72. JOHNSON, N
73. KESSELS, RP
74. LEHOCKEY, KA
75. RAMÍREZ, D
76. HIZEL, L
77. SAADATPOUR, L
- Relation of Stigma Perception to Clinical and Demographic Characteristics of Parkinson's Disease
Is Age of Onset Related to Cognition and Mood in Essential Tremor?
Mixed Linear Modeling of Changes in Functional Independence in De Novo Parkinson's Disease
Motor Subtypes
Memory for Positive and Negative Faces and Words in Parkinson's Disease
Associations Between Hallucinations and Sleep Quality in Nondemented Patients with Parkinson's Disease
The Effect of Depression on the Cognition of those with Parkinson's Disease
- Multiple Sclerosis/ALS/Demyelinating Disorders**
- Living under the Shadow of Chronic Illness: Coping and Conflicts in Multiple Sclerosis
Examining Executive Dysfunction as a Contributor to Verbal Reasoning Deficits in Youth and Young Adults with Pediatric-Onset Multiple Sclerosis
Fitness Outcomes After Starting a New Exercise Routine in Persons with Multiple Sclerosis: The Role of Cognition
Exploring Mental Imagery in Relapsing Remitting Multiple Sclerosis
Inhibitory Control Dysfunction in Early Multiple Sclerosis
Disrupted cognitive development following acute demyelinating syndromes: A longitudinal study
Can't Stress it Enough: Examining the Role of Personality, Coping, and Perceived Stress in Multiple Sclerosis
Comparing fatigue in pediatric multiple sclerosis and transvers myelitis
Sensory Processing in Multiple Sclerosis and its Relation to Processing Speed
Reliability and Validity of the Perceived Deficits Questionnaire in Multiple Sclerosis
Say *What?*: The Role of Language and Articulatory Speed in Verbal Fluency of Patients with Progressive Multiple Sclerosis
Disease Modifying Treatments in Multiple Sclerosis and Their Differential Impact on Cognition
The Effect of Cognitive Load on Visuomotor Integration in Youth with Multiple Sclerosis
Switching And Clustering Performance In Verbal Fluency Tasks In A Group Of Multiple Sclerosis Patients Without Cognitive Impairment: Preliminary Investigation With Clinical Implications
Subgroup Analysis of Individuals with MS Showing Increased Resilience and Cognitive Reserve
Examining the Impact of Cognitive and Motor Impairment on Visual Perception in Individuals with Multiple Sclerosis
Minnesota Multiphasic Personality Inventory-2 Restructured Form (MMPI-2 RF) Profiles in Veterans with Multiple Sclerosis
Social Cognition Impairments in Multiple Sclerosis are Associated with Poor Community Integration
Amyotrophic Lateral Sclerosis (ALS) and Primary Lateral Sclerosis (PLS): the Differences in Cognitive Functioning and in Emotional Recognition Giulia Spadoni², Maria Luisa Presenti², Marco Timpano² and Stefania Tocchini^{12 1} Public Health Authority ASL Nordovest della Toscana² University of Pisa
Aversive Motivation is Associated with Greater Learning and Caudate Volume in MS
Examining the Relationship between Resilience, Anxiety, Depression, and Social Integration in MS
- Stroke/Vascular Cognitive Impairment**
- A Pilot Single-Blind Randomised Controlled Trial of Mindful Music Listening to Enhance Cognitive Recovery and Mood After Stroke: Feasibility, Acceptability and Effect Sizes
In the Eye of the Beholder: Investigation of Attentional Patterns in Neglect through Eye Tracking
The Clinical Utility of a 30-Minute Cognitive Screening Battery in Acute Inpatient Stroke Rehabilitation
Racial differences in rates of return to work post-stroke
Accelerated Long-Term Forgetting in Patients with TIA or Minor Stroke: A More Sensitive Measure for Detecting Vascular Cognitive Impairment?
Patients Participating in Inpatient Cardiac Rehabilitation and Stroke Programs are Similarly Impaired on a Brief Cognitive Screening
Decline in Semantic Verbal Fluency is Associated with Cerebrovascular Risk Factors
- Visuospatial Functions/Neglect/Agnosia**
- Post clockface latency as an indicator of executive functioning in Parkinson's disease
A Case of Posterior Cortical Atrophy with Vertical Neglect

3:15–3:30 PM**PM Coffee Break**
Exhibit Halls B North (Exhibition Level)**3:30–5:00 PM****Symposium 10. Teleneuropsychology Coming of Age in Clinical and Research Applications****Chair: Munro Cullum****Discussant: Robert L. Kane****Presenters: Lana Harder, Bert Vargas****Ballroom Salon 2-3**

1. CULLUM, M
2. CULLUM, M
3. CULLUM, M
4. HARDER, L
5. VARGAS, B

Teleneuropsychology Coming of Age in Clinical and Research Applications
 Practical and Ethical Issues in Teleneuropsychology
 Evidence-Based Teleneuropsychology in Adults
 Feasibility, Validity, and Patient Satisfaction of Teleneuropsychology in Pediatric Populations
 Teleconcussion Assessment

3:30–5:00 PM**Paper Session 12. Traumatic Brain Injury****Moderator: Maria T. Schultheis****Ballroom Salon 1**

1. BERNIER, RA
2. VENKATESAN, UM
3. HAJ-HASSAN, S
4. CLARK, AL
5. BRAY, MJ
6. VANUK, JR

Diminishing returns in network plasticity: thresholds for hyperconnectivity as a predictor of cognition after moderate and severe TBI
 Functional Connectivity within Lateral Posterior Parietal Cortex and its Alteration in Traumatic Brain Injury
 The RBANS Effort Scale and Effort Index: Base Rates in an Inpatient Rehabilitation Setting
 Blast Exposure is Associated with Anterior Cortical Thinning in Veterans with Mild Traumatic Brain Injury
 Shifting Perspectives on Post-Traumatic Brain Injury Psychosis: Evidence for a Novel Neurodegenerative Hypothesis
 Short-Wavelength Light Therapy as a Way of Improving Sleep, Cognition, and Amygdala-Prefrontal Connectivity Following a Mild Traumatic Brain Injury

3:30–5:00 PM**Paper Session 13. Alzheimer's Disease****Moderator: Duke Han****Maryland A-C**

1. HAN, D
2. LA CORTE, V
3. GRILLI, MD
4. GUZMAN, VA
5. GAYNOR, LS
6. VESPERMAN, CJ

Detectable Neuropsychological Differences in Early Preclinical Alzheimer's Disease: A Meta-Analysis
 Patterns of cognitive prospection impairment in early Alzheimer's disease and semantic dementia
 Evidence of Reduced Autobiographical Memory Richness in Individuals at Increased Genetic Risk of Alzheimer's Disease
 Is the Alzheimer's disease-associated Increase in Regional White Matter Hyperintensity Volume due to Wallerian Degeneration?
 Translational object discrimination task and associated imaging variables improve prediction of early cognitive impairment related to AD
 Cardiorespiratory Capacity Attenuates Age-Associated Aggregation of White Matter Hyperintensities: Findings from the Wisconsin Registry for Alzheimer's Prevention

3:30–5:00 PM**Paper Session 14. Neurophysiology and Neuroimaging Markers****Moderator: Scott A. Langenecker****Virginia A-C**

1. GEVA, R
2. MCKINNEY, TL
3. OKABE, H
4. WOODARD, JL
5. SKILES, MA
6. RIZVI, B
7. WILLIAMS, VJ

Electrophysiological Changes and Attention Correlates Following Preterm Birth
 The Moderating role of Uncertainty in Fluid Intelligence and Neural Activity
 EEG Correlates of Mental Exertion During Sustained Reaction Time Performance
 Unique and Shared Contributions of Imaging Biomarkers to Prediction of Cognitive Functioning
 The Impact of FreeSurfer Version on Volumetric Analysis
 Fiber Tract-Defined Regional White Matter Hyperintensities and Memory
 Increased Task-related fMRI Activation During a Hyperinsulinemic-Euglycemic Clamp Procedure

3:30–4:45 PM**Poster Session 9. Adult Medical
Exhibit Hall B North (Exhibition Level)****Cancer**

1. AILION, A Double Dissociation of Auditory Attention and Visual Scanning in Long Term Survivors of Childhood Cerebellar Tumor: A Deterministic Tractography Study of the Cerebellar-Frontal and the Superior Longitudinal Fasciculus Pathways
2. CLARK, BE Cancer Patients' Mental Health Concerns, Cognitive Abilities, and Spiritual Well-Being After Chemotherapy
3. CONKLIN, HM Predicting Cognitive Performance in Children Treated for Brain Tumors During Infancy: Preliminary Findings from a Prospective, Longitudinal Trial
4. DASHER, NA Neurocognitive Outcomes in Patients Undergoing Hematopoietic Cell Transplantation (HCT) 100 Days Post-Operatively
5. DUDA, TA Reliable Change in Pediatric Brain Tumor
6. EASTMAN, JA Cancer-Related Cognitive Impairment and Cognitive Function in Older Adults With a Pre-Cancer Baseline Examination
7. EDELSTEIN, K Cancer-Related Cognitive Dysfunction in Young Adults (YA): A Prospective, Longitudinal Trial
8. EVANS, CL Executive Functioning Following Proton Radiation Therapy for Pediatric Brain Tumor
9. FOX, ME The Neurological Predictor Scale as a Predictive Measure of Motor Outcomes in Long-Term Survivors of Childhood Brain Tumors
10. KAUTIAINEN, RJ Neurological Predictor Scale Predicts Academic Achievement Outcomes in Long-Term Survivors of Childhood Brain Tumors
11. OSWALD, K Motor functioning in pediatric Acute Lymphoblastic Leukemia survivors
12. SCHAGEN, SB Improved Processing of Diffusion Tensor Imaging Data Increases Sensitivity to Detect Brain White Matter Changes in Breast Cancer Patients
13. TARKENTON, T School Attitude Associates with Academic Performance Better than Neurocognitive Variables in Pediatric Leukemia Survivors
14. THOMASON, MM Circumscribed Verbal Memory Impairment Following Proton Beam Radiation for Hypothalamic Tumor in an Adolescent Female
15. VAN DYK, K The Effects of Cancer Treatment on Cognitive Functioning in Early Breast Cancer Survivorship
16. VANNORS DALL, TD The Safety Profile of a Genu Avoidance Approach to Whole-Brain Radiotherapy to Prevent Cognitive Decline
17. VANNORS DALL, TD Cognitive Functioning in Cancer Survivors: Analyses of the Women's Health and Aging Study II
18. WIER, R White Matter Integrity in the Inferior Fronto-Occipital Fasciculus Mediates Behavioral Regulation and Internalizing Symptoms in Pediatric Brain Tumor Survivors
19. WILLARD, VW Executive Functioning in School-Aged Survivors of Retinoblastoma

Genetics/Genetic Disorders

20. FEE, RJ Dystrophin gene mutation location and academic achievement in the dystrophinopathies
21. FOY, A Predictors of Social Skills in Children with RASopathies: A Comparison of Noonan Syndrome and Neurofibromatosis Type 1
22. GODFREY, M Identifying Autism Diagnostic Interview- Revised Algorithm Items that Significantly Distinguish Autism Spectrum Disorder and Down Syndrome
23. KHANG, T Neuropsychological Profile of 4 Biological Siblings with Myotonic Dystrophy Type 1
24. LAURENT, R Neuropsychological Impairment in a Patient with Metachromatic Leukodystrophy
25. NAYLON, K Fibromuscular Dysplasia Linked to Adverse Neurological and Neuropsychological Outcomes
26. POWELL, AA Neurodevelopmental Variability in Social Skills Associated with Phelan-McDermid Syndrome
27. SCHARAGA, EA Cognitive Sequelae of Neurofibromatosis Type 1: A Progressive Look
28. SEMERJIAN, C Comparing Executive Functioning and Social Problems in Pediatric Neurofibromatosis Patients with and without comorbid Attention-Deficit/Hyperactivity Disorder
29. YUND, BD Executive Functioning Profiles in Children with NF1 Using Lab-Based and Functional Measures: Influence of ADHD?

HIV/AIDS/Infectious Disease

30. DEVLIN, KN Functional Outcomes Among Latent Subtypes of HIV-Associated Neurocognitive Disorder (HAND)
31. HARDY, DJ Disentangling Measures of Information Processing Speed: A Meta-Analytic Illustration with HIV/AIDS
32. KORDOVSKI, VM The Effects of Aging and HIV Disease on Alternating Semantic Verbal Fluency
33. LEVITCH, CF Neuropsychological Assessment and Management of an Individual with *Listeria* Encephalitis in the Acute Inpatient Rehabilitation Setting
34. MAHMOOD, Z The Effects of Poor Sleep on Cognition Are Greater Among HIV+ versus HIV- individuals
35. MICHEL, S Neurocognitive and Neuropsychiatric Change Due to HIV and Neurosyphilis May Worsen Personality Pathology: A Case Study
36. PAOLILLO, E Depressive Symptoms Are Associated with Cognitive Decline in HIV/AIDS
37. SCOTT, J Evaluation of a Brief Computerized Neurocognitive Battery for the Detection of HIV-Associated Neurocognitive Disorders (HAND)

38. SHEPPARD, DP Intraindividual Neurocognitive Variability is Associated with Lower Physical Quality of Life in West Nile Virus Infected Individuals
39. SUMMERS, A The Relationship Between Sociocultural Factors & Decision-Making in HIV+ Latinx Adults
40. TIERNEY, SM Additive Effects of HIV and Aging on the Unified Parkinson's Disease Rating Scale: Associations with Everyday Functioning and Quality of Life
41. TURESON, K The Impact of Sociocultural Factors on Prospective Memory Function in HIV+ Latinx Adults
42. WILSON, MJ Methods for Determining Neurocognitive Risk Among Veterans with HIV/AIDS in an Interdisciplinary VA Infectious Disease Clinic

Medical/Neurological Disorders/Other (Adult)

43. BELLONE, J Feasibility and Initial Results of Inspiratory Muscle Training on Cognition and Functional Capacity in Older Veterans with Heart Failure
44. BELSER-EHRLICH, J Neurocognitive-Affective Dysfunction in Dandy Walker Malformation Involving the Cerebellum: A Case Study
45. BLOCH, A Characterizing Implicit Sequence Learning Deficits Following Spinal Cord Injury Using an Oculomotor Serial Reaction Time Task among Individuals with Tetraplegia
46. CHOWDHRY, S Reduced White Matter Volume in Metabolic Syndrome
47. CLAWSON, A Cognitive Profile and Rehabilitation in Susac's Syndrome: A Case Study
48. COTHRAN, TP Prediction of Cognitive Change in Normal Pressure Hydrocephalus Following External Lumbar Drain
49. DEMIAN, M Lower Health Literacy Levels are Associated with a Worse Clinical Profile in Renal Transplant Recipients
50. DUCCA, EL Neuropsychological assessment following critical illness for the prediction of long-term functional outcomes
51. FIGUEROA, P Self-Perception of Social Norms and Empathy in Adults After Childhood Right Hemispherectomy
52. HARRISON, C Adult Behavior and Executive Functioning Following Childhood Hemispherectomy: Self-Report
53. ISLAM, RM Unilateral Motor-Symptom Onset in Parkinson's Disease related to Facial Emotional Expression: Right-Hemisphere, Valence, and Motoric Direction Hypotheses
54. KALSCHEUR, E Subjective Cognitive Complaints in Patients with Fibromyalgia: Objective Results Compared to Those of a Neurological Sample
55. KOSMIDIS, MH Neuropsychological Effects of Pesticide Use Among Elderly Farmers
56. LAGEMAN, SK Training Leaders of Neurodegenerative Disease Support Groups: Development of a Support Group Well-Being Measure
57. MATCHANOVA, A Post-Operative Cognitive Function after Cardiac Surgery: A Meta-Analytic Review
58. MERZ, Z Examination of the Construct Validity of the Repeatable Battery for the Assessment of Neuropsychological Status Language Index in a Mixed Neurological Sample
59. PANOS, AH Adult Adaptive Functioning Following Childhood Hemispherectomy
60. PRICE, JS Neuropsychological Assessment Informed Intervention during Liver Transplantation Evaluation: A Case Report
61. ROGERS, S Poor Punctuality Reflects Cognitive Impairment in Neurology Patients
62. SHAH, M 'Brain on Fire' - Autoimmune Encephalitis: A Neuropsychological Case Study
63. SUNDARAM, S Impaired Speed of Information Processing in Older Adults with HIV: A Comparison with Parkinson's Disease
64. VICKERS, KL A Quantitative Review of Neuropsychological Function in Lyme Disease: Current Status and Future Directions
65. WEBER, E Learning and Memory Profile of Individuals with Spinal Cord Injury
66. WYMAN-CHICK, KA Relationship Between Verbal Fluency Performance and Side of Motor Symptoms in Older Adults with Early-Stage De-Novo Parkinson Disease
67. ZUNDEL, CG Rates of Medical Conditions: Do Gulf War Veterans Differ from the General Population?

Other

68. ALKOZEI, A Men, but not Women, Show a Decrease in Implicit Preferences for Low-Calorie Food After 3 Weeks of Chronic Sleep Restriction
69. SANBORN, V Cognitive Impairment is Associated with Poorer Quality of Life in Persons with Severe Obesity
70. ALKOZEI, A Chronic Sleep Restriction Increases Implicit Racial Biases and Affects Actual Decision-Making About People

5:00–6:00 PM

Plenary F (Birch Memorial Lecture). Medial Temporal Lobe Amnesia: Past, Present, and Future Presenter: Mieke Verfaellie Ballroom Salon 2-3

1. VERFAELLIE, M Medial Temporal Lobe Amnesia: Past, Present, and Future

SATURDAY, FEBRUARY 17, 2018**7:20–8:50 AM**

CE Workshop 11. Neuropsychological Research in Hispanics/Latinos Living in the United States: The Case of HIV
Presenter: Maria Marquine
Ballroom Salon 1

1. MARQUINE, M

Neuropsychological research in Hispanics/Latinos living in the United States: The case of HIV

7:20–8:50 AM

CE Workshop 12. Cross-Cultural Neuropsychological Assessment: Challenges and Solutions
Presenters: Alberto L. Fernandez, Jonathan Evans
Maryland A-C

1. FERNANDEZ, AL

Cross-cultural neuropsychological assessment: challenges and solutions

9:00–10:30 AM

Invited Symposium 5. Neuropolitics: Getting ‘Under the Hood’ of Political Attitudes, Identities and Behaviours in a Turbulent World
Chair: Laura Cram
Presenters: Jay Van Bavel, Ingrid Haas, Molly Crocket, Laura Cram
Ballroom Salon 2-3

1. CRAM, L

Neuropolitics: Getting ‘Under the Hood’ of Political Attitudes, Identities and Behaviours in a Turbulent World

2. VAN BAVEL, J

The Partisan Brain: A Value-Based Model of Political Belief

3. HAAS, I

Political Ideology Moderates Neural Evaluation of Incongruent Policy Positions

4. CROCKET, M

Moral Outrage in the Digital Age

5. CRAM, L

Trust, Fairness and Social Belonging: The Neuropolitics of Legitimacy

9:00–10:30 AM

Symposium 11. Investigating Temporal Lobe Epilepsy with High Resolution Magnetic Resonance Imaging and Connectome Approaches
Chairs & Presenters: Mary Meyerand, Bruce Hermann
Presenters: Veena A. Nair, Vivek Prabhakaran
Ballroom Salon 1

1. HERMANN, B

Investigating Temporal Lobe Epilepsy with High Resolution Magnetic Resonance Imaging and Connectome Approaches

2. MEYERAND, M

The Epilepsy Connectome Project

3. PRABHAKARAN, V

Application of Machine Learning to Identify and Characterize Temporal Lobe Epilepsy

4. HERMANN, B

Neurobiological and Cognitive Correlates of Processing Speed in Temporal Lobe Epilepsy

5. NAIR, VA

Epilepsy Connectome Project (ECP) - Gender Differences in Temporal Lobe Epilepsy Patients

9:00–10:30 AM

Paper Session 15. Aging
Moderator: Vonetta M. Dotson
Maryland A-C

1. JAPARDI, K

The Big-C Project: Distinct Language Processes Responsible for Divergent and Convergent Thinking in Big-C Individuals

2. KNUDSEN, K

The Big-C Music Project: Positive Psychopathology and Task Positive Brain Networks

3. MOORE, E

Increased Left Ventricular Mass Index is Associated with Compromised White Matter Microstructure Among Older Adults: The Vanderbilt Memory & Aging Project

4. WALZAK, LC

Theory of Mind in Aging: A Pilot Study Investigating Associations with Risky Decision-Making and Fraud Susceptibility

5. SEELYE, A

Cognitive Correlates of Unobtrusively Monitored Medication Adherence in Older Adults

6. BETTCHER, BM

Increases in a Pro-Inflammatory Chemokine Are Related to Decreases In Episodic Memory Over Time

9:00–10:30 AM

Paper Session 16. Sleep, Stress, and Exercise
Moderator: Justin E. Karr
Virginia A-C

1. O’ SHEA, DM

Discrepancies between crystallized and fluid ability are associated with frequency of social and cognitive engagement in community dwelling adults

2. FOX, E

Baseline Sleep Efficiency Predicts rate of Parahippocampal Volume Loss in Cognitively Normal Older Adults

- | | |
|------------------|--|
| 3. TAIWO, Z | Sleep Fragmentation is Related to Altered Structural Brain Volume among Older Adults Free of Dementia: The Vanderbilt Memory & Aging Project |
| 4. CARBINE, KA | Neural Indices of Food-Related Inhibitory Control: The Influence of a Morning or Evening Exercise Program |
| 5. CASALETTO, KB | Perceived stress potentiates age-related cytokine markers of macrophage inflammation in cognitively normal older adults |

9:00–10:15 AM

Poster Session 10. Cognitive Neuroscience, Neuromodulation, and Rehabilitation
Exhibit Hall B North (Exhibition Level)

Cognitive Intervention/Rehabilitation

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|-------------------------|---|
| 1. CHIPMAN, K | Using Goal Management to Support Transfer of Memory Training to Everyday Life in Mild Cognitive Impairment |
| 2. CORNETT, K | Efficacy of Interdisciplinary Post-Acute Rehabilitation for Impairments in Attention and Processing Speed in Traumatic Brain Injury |
| 3. DE WIT, L | Cognitive Functioning and Self-Efficacy as Predictors of Memory Support System Training Responsiveness in Mild Cognitive Impairment |
| 4. DIGIOVANNI, C | Traumatic Brain Injury (TBI) Facebook Support Groups: How Online Supportive Exchanges Relate to Subjective Well-Being as a Function of TBI Sequelae |
| 5. FARRIS, P | Work-Family Conflict and Cognition Among Older Adults Working Full-Time |
| 6. FISHER, EL | Improvements in Adaptive Functioning among Children with Medical Disorders Following Cognitive Remediation Program: An item-level analysis |
| 7. JEAN, K | The Effect of a Dual Driving/Distracted Task Game on Visuospatial Skills in Older Adults |
| 8. MANGAL, PC | Mindfulness and Cognitive Training Interventions in Older Adults Improve Performance in Cognitive Control |
| 9. NOVAKOVIC-AGOPIAN, T | Training in Attention Regulation Applied to Participant Defined Goals for Veterans with PTSD and mild TBI |
| 10. OJEDA, N | Social Cognition and Functional Outcome after Cognitive Rehabilitation in Neuropsychiatric Pathology, Neurodegenerative Diseases and Healthy Elderly Population |
| 11. SADEGHI, M | Understanding Engagement and Experience with Computerized Cognitive Training in Youth with ADHD |
| 12. SHOJI, K | Application of Cognitive Stimulation Therapy for Dementia in a Veteran Population |
| 13. SIMON, SS | Special Interest Group - Brazil (SIG-BRA) on Neuropsychological Rehabilitation: Who works with NR in Brazil? Towards to professionals profile |

Connectomics

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| 14. PASCOE, L | Whole-Brain Structural Connectivity Relates to Intrinsic Motivation in Children born Extremely Preterm: Insights Using Graph Theory |
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Cognitive Neuroscience

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| 15. GRAVANO, J | Associations Between Resting-State Connectivity and Cognition in Mild Traumatic Brain Injury and Posttraumatic Stress Disorder |
| 16. HAWKSHEAD, BE | Hormonal Effects on Cognition in Oral Contraceptive Users and Naturally-Cycling Women |
| 17. KILLGORE, WD | Default Mode Activation and the Ability to Resist Sleep Deprivation |
| 18. KILLGORE, WD | Personality Traits Predict the Ability to Sustain Executive Function Abilities During Sleep Deprivation |
| 19. KING, M | Neural Correlates of Improvements in Personality and Behavior Following a Neurological Event: A Neuropsychological Approach |
| 20. MCLAREN, ME | Frontal Structural Neural Correlates of Processing Speed Performance in Older Adults |
| 21. MUSTAFA, N | Cognitive Profile Prior to Deep Brain Stimulation Surgery: A Case Study on Adult-Onset Leukodystrophy with Essential Tremor |
| 22. RUBINOW, D | Working Memory of Highly Self-Critical Men is Impaired by Failure |
| 23. SMITH, HA | An assessment of cognitive control differences among individuals with psychopathology: Congruency sequence effects in depression, generalized anxiety, and OCD |
| 24. TAGHDIMI, M | Schizotypy, Attachment Styles, and Attentional Biases Toward Substance Related Stimuli in Young Adults |
| 25. TAGHDIMI, M | Relationship between PTSD Symptom Severity and Cognitive Functioning |
| 26. URGESI, C | Dissociated Alterations of Self-Body Schema and Others' Body Holistic Perception in Children with Supratentorial and Infratentorial Tumor |
| 27. WATSON, EM | Poor Sleepers Have Delayed Behavioral Responses to Positive Sleep Imagery |
| 28. TSAPANOU, A | Subjective cognitive complaints and sleep problems in the elderly |

Neuroimaging

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|-------------------|---|
| 29. TSAPANOU, A | Sleep medication and brain morphology in the elderly |
| 30. ALEKSONIS, HA | Using Diffusion Tensor Imaging to Assess Associations of White Matter Integrity and Memory in Pediatric Brain Tumor Survivors |

31. ALFINI, AJ Effects of Acute Exercise on Conflict-Dependent Functional Activation in the Aging Brain
 32. ALKOZEI, A A Voxel-Based Morphometric Analysis of Resilience to Vigilant Attention Impairment during Sleep Deprivation
 33. ARRINGTON, C Examining Individual Differences in Reading and Attention Networks Using an Oddball Paradigm fMRI Task
 34. BEDNARZ, H Relationship between cerebellar functional connectivity and symptoms of attention-deficit/hyperactivity disorder
 35. BOUTZOUKAS, EM Verbal Working Memory Contributes to Atypical Language Dominance in Pediatric Epilepsy As Shown by fMRI
 36. EBRAHIMI, CT An Investigation of the Various Domains of Gifted Children Intelligence: Emotional vs. Exceptional Intellectual Intelligence
 37. GARCIA-EGAN, PM Cerebellar morphometry abnormalities associated with early life stress
 38. GATES, T What is the Magnitude of Structural Brain Changes in Virally-Suppressed HIV-Infected Persons?
 39. GULLETT, JM White Matter Disease in Amnesic Mild Cognitive Impairment: Contributions to White Matter Integrity
 40. JOSEPH, A Functional Connectivity in TBI Patients with Comorbid PTSD or Depression
 41. KIM, J Neurocognitive Function is Predicted by Striatal Dopamine D2/D3 Receptor Availability in Medication-Free Major Depressive Disorder Patients
 42. KLING, LR Recent Binge Drinking Dampens Response to Anticipation of Potential Monetary Loss
 43. LINDBERGH, CA White Matter Hyperintensities Relate to Functional Ability in Individuals with Mild Cognitive Impairment and Dementia
 44. SALINAS, SL Dissociable Patterns of Neural Activity for Semantically and Arbitrarily Related Word Pairs
 45. SIDEMAN, N Task Specific Network Refinement: Multiple Cognitive Tasks Prune from a Broader Resting State Network
 46. TANNER, JJ Reliability and Validity of White Matter Cerebrovascular Disease Segmentation from T1
 47. TART-ZELVIN, A Cognitive Strategy Use Reveals Neural Efficiency on a Working Memory Task
 48. TRAN, S Functional Connectivity of Attention Nodes at Midlife
 49. YUAN, J HbO₂ Variability and Gait Performance in Older Adults
 50. ZANE, KL Diffusion Tensor Imaging Findings in Adults with Mild to Severe Chronic Traumatic Brain Injury
- Neurophysiology/EEG/ERP**
51. HOLLAND, AK Evidence for Reduced Left Frontal Inhibitory Control in the Absorption Phase Relative to the Cephalic Phase of Food Intake
 52. JUAN, R Relationship Between Task-Specific QEEG Peak Frequency Values and Rey-Osterrieth Complex Figure Performance
 53. LEHOCKEY, KA The Relationship Between Electrophysiology, Behavioral Activation, and Continuous Positive Airway Pressure Nonadherence in a Sample of Adult Patients with Obstructive Sleep Apnea
 54. MODERSITZKI, E Neural Indices of Food-related Inhibitory Control and Attention: Accurate Prediction of Dietary Intake?
 55. PIMENTEL-RODRÍGUEZ, LF Effects of Sleep Deprivation on Attention and EEG Delta Power
 56. REYNOLDS, J Changes in Cerebral Laterality in the Cephalic and Absorption Phases of Food Ingestion as a Function of BMI Classification: Neurophysiological Evidence of Reduced Cognitive Control in Overweight Men
 57. SCAVONE, A Mindfulness Induction and Parasympathetic Tone
 58. VACCARIELLO, E Behavioral and EEG Correlates of Mental Effort and Mind-wandering
 59. WINTERS, AR Behavioral Inhibition Subscales Relate to Resting Frontal Asymmetry and Sleep
- Neurostimulation/Neuromodulation**
60. BRYANT, AM Does Surgery Side Matter? Verbal Fluency Decrements Following Deep Brain Stimulation for Treatment of Parkinson's Disease and Essential Tremor
 61. EDWARDS, M White Matter Integrity Before and After Repetitive Transcranial Magnetic Stimulation in Individuals with Comorbid PTSD and Depression
 62. GARCIA, SL Variable behavioral and neurophysiological response to HD-tDCS in Primary Progressive Aphasia: Preliminary data from a case series
 63. MECHANIC-HAMILTON, D Pilot M.I.N.D.S. Study: Modulating Intellect with Noninvasive DC Stimulation
- Cognitive Neuroscience**
64. WILLIAMS, M New Methods to study Cognitive Development using Diffusion Tensor Imaging
 65. WILLIAMS, M Reducing Error in DTI: Methods to Combine Fractional Anisotropy and Mean Diffusion
 66. TART-ZELVIN, A Brain Development and Language Mediation of Behavior Control >
 67. OSIPOWICZ, K Examining Sex Differences in Language and Brain Development
 68. ELINE, EE Applying New DTI Measures to Autism Spectrum Disorder
 69. GENOVA, HM Social Cognition: Innovative Approaches to its Examination and Assessment
 70. RIZZO, A Can Automated Conversational Virtual Human Interviewers Elicit More Self-Disclosure About Clinical Symptoms?
 71. ANDERSON, VA Evaluating social competency using PEERS with paediatric clinical populations
 72. MCDONALD, S Development of the Complex Assessment of Audio-Visual Emotions (CAVEAT)
 73. GENOVA, HM Utilization of Neuroimaging to Examine Social Cognition in Traumatic Brain Injury

Executive Functions/Frontal Lobes

74. CHIOU, KS Dynamic Evaluations of Self: New Insights to Understanding the Multi-Dimensionality of Self-Awareness
75. GIOVANNETTI, T Everyday Error Monitoring in Older Adults
76. COSENTINO, S Measuring Metacognition to Improve the Utility of Subjective Cognitive Decline
77. CHIOU, KS Investigation of Retrospective Monitoring and Functional Living Skills After Traumatic Brain Injury
78. LARSON, M Neuroimaging Approaches to Understanding Deficits in Awareness and Relationships with Illness Severity and Daily Functioning
79. DOCKREE, P Assays of Metacognition Across Different Patient Populations: Implications for Understanding Impaired Self-Awareness

10:30–10:45 AM**AM Coffee Break
Exhibit Halls B North (Exhibition Level)****10:45 AM–12:15 PM****Symposium 12. Health-Promoting Activities as Protective Factors Underlying Disease Outcomes in MS****Chair & Discussant: Peter Arnett****Presenters: Margaret Cadden, Brian Sandroff, Robert Motl, Cristina A.F. Roman****Ballroom Salon 2-3**

1. ARNETT, P Health-Promoting Activities as Protective Factors Underlying Disease Outcomes in MS
2. CADDEN, M Cognitive Reserve, Depression, and Cognition in Multiple Sclerosis
3. SANDROFF, B Exercise and Cognition in Persons with Multiple Sclerosis
4. MOTL, R Exercise and Its Benefits in Persons with Multiple Sclerosis
5. ROMAN, CA Exercise and Structural Connectivity in Multiple Sclerosis: A Graph Theoretical Perspective

10:45 AM–12:15 PM**Paper Session 17. Cancer Across the Lifespan****Moderator: Jeffrey S. Wefel****Ballroom Salon 1**

1. SHARKEY, CM Relations Between Observer- and Performance-Based Outcomes in Pediatric Cancer Survivors: Differences as a Function of Disease and Informant
2. VAN DER WILLIK, K Mild Cognitive Impairment and Dementia Show Contrasting Associations with Risk of Cancer
3. TONNING OLSSON, I Neurocognitive Outcomes in Long-Term Survivors of Childhood Wilms Tumor
4. BANERJEE, P Anesthesia Exposure, Neurocognitive Function, and Neuroimaging Outcomes in Long-Term Survivors of Childhood Acute Lymphoblastic Leukemia

10:45 AM–12:15 PM**Paper Session 18. Memory Function****Moderator: Amanda Gooding****Maryland A-C**

1. SULLIVAN, KL Intraindividual Variability in Neuropsychological Test Performance Is Associated With Time-Based Prospective Memory in Older Adults
2. HOKKANEN, L Prospective Memory – an Evaluation of the PROPS Test and the Impact of Low Birth-Weight and Other Perinatal Risks in Adulthood
3. ALKOZEI, A Exposure to Blue Wavelength Light During Memory Consolidation Improves Long-Delay Verbal Memory Performance
4. BEATTIE, JF Hippocampal Dentation in Healthy Children and Adolescents: Associations with Age and Verbal Episodic Memory
5. KUHN, T Early Intellectual Giftedness is Associated with White Matter Integrity in Regions Subserving Episodic Memory
6. WOODWARD, LJ Visuospatial Working Memory Impairments in Very Preterm Survivors Persist from Childhood to Adulthood

10:45 AM–12:15 PM**Paper Session 19. Cerebrovascular Issues and Epilepsy****Moderator: Michael Williams****Virginia A-C**

1. MAHON, S Long-Term neuropsychological impairment in 4 year stroke survivors
2. LEAFFER, EB Distinct Neuropsychological Profile and Associated Neurochemical Changes in Patients with Mitochondrial Encephalomyopathy, Lactic Acidosis, and Stroke-Like Episodes (MELAS)
3. YEW, B Increased Cerebrovascular Resistance Correlates With Worse Cognitive Performance in Older Adults Exhibiting Normal Cerebral Blood Flow

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| 4. | REYES, A | Does bilingualism increase cognitive reserve in patients with temporal lobe epilepsy? |
| 5. | BLACKMON, K | Temporal lobe gray-white blurring and Wada memory impairment in MRI-negative temporal lobe epilepsy |
| 6. | COULEHAN, K | Decline in Activities of Daily Living in Epilepsy and MND: Risk Factor for Future Dementia? |

10:45 AM–12:00 PM**Poster Session 11. Executive Function, Language, and Memory
Exhibit Hall B North (Exhibition Level)****Executive Functions/Frontal Lobes**

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| 1. | AINGER, TJ | Enhancing The Understanding of Executive Functioning of Individuals with Schizophrenia |
| 2. | AL-KHARAFI, HT | The Neurobehavioral Examination: Exploring the Differences Between Controls, Alzheimer's Disease and Parkinson's Disease Groups |
| 3. | BAIRD, AD | Getting Things Done: Coaching Undergraduates with Attentional Complaints |
| 4. | BERL, M | Data Driven Profiles of Executive Function Distinguish Psychiatric Behaviors in Pediatric Populations |
| 5. | BLAIR, MA | Neuropsychological Correlates of Adaptive Risk-Taking in Adolescence |
| 6. | CIPOLOTTI, L | Inhibition, Estimation and Response Generation: Evidence from Patients with Prefrontal Cortex Lesions |
| 7. | CLARK, SV | Cerebellar Contributions to Inhibitory Control in the Stop Signal Task: A Systematic Review |
| 8. | CORDEAUX, C | Trauma and Executive Functioning: Predictors of Length of Stay in Inpatient Children |
| 9. | COLBY, KA | Executive Dysfunction in Eating Disorders: A Meta-Analytic Comparison of Anorexia Nervosa and Bulimia Nervosa |
| 10. | COLBY, KA | Executive Functioning Deficits in Children and Adults with Anorexia Nervosa: A Meta-Analysis |
| 11. | CRAUN, E | PTSD symptoms, traumatic experiences, and their relationship with neurocognitive functioning among inmates |
| 12. | DOWNES, M | Executive Development in Preschool Children with Sickle Cell Disease: Shifting the Focus from Disease to Environment in Future Research |
| 13. | DOYLE, L | Impact of Comorbid Oppositional Behavior on Executive Function Among Youth with Histories of Heavy Prenatal Alcohol Exposure |
| 14. | ENEVA, K | Executive Functioning in Women with Binge-eating Disorder Across Weight Groups |
| 15. | EVERETT, LS | Examining the Influence of Post-Deployment Family Support on Executive Functioning in Post-9/11 African-American Veterans |
| 16. | FISCHER, M | Self-Reported Executive Functioning Deficits in TLE Relate to Both Working and Episodic Memory |
| 17. | GRAVES, B | Another Ineffective Performance-Based Task of Executive Functioning: Where Do We Go From Here? |
| 18. | HUBER, RS | Executive Functioning and Anterior Cingulate Volume in Adolescent Bipolar Disorder |
| 19. | KAIS, LA | The Influence of Affect on Interference Processing in Blocked and Mixed Presentations of a Stroop Color-Word Task |
| 20. | LABODE, VM | Impulsivity as a Moderator of the Relationship Between Stressful Life Events and Binge Eating |
| 21. | MASSONI, SG | Exposure to family violence and executive functions: a pilot study |
| 22. | MCGLADE, E | Impulsivity and Aggression: The Relationship to Suicidal Behaviors in US Veterans |
| 23. | MIETCHEN, JJ | Moderating Variables of Sleep Disordered Breathing and Executive Functioning: A Meta-Analysis |
| 24. | MORGAN, B | The Relationship of Craving and Negative Affect to Impulsive Decision-Making During Heightened mood Conditions |
| 25. | NGUYEN, CM | The Contribution of Executive Functioning to Performance on the Texas Functional Living Scale |
| 26. | NICHOLS, A | A Cluster Analytic Approach to Defining Executive Dysfunction Subtypes |
| 27. | NIXON, KH | Learning and Executive Functioning in Humanitarian Aid Workers During Times of Overwhelming Stress |
| 28. | ORR, BC | Is Verbal Fluency a Language Measure? |
| 29. | PAGAN, CR | Culture and English Fluency on Measures of Executive Functioning in Ethnically Diverse Groups |
| 30. | POLNASZEK, KL | Inhibitory Control and Psychological Symptoms Influence Pain Symptomatology in Emerging Adults |
| 31. | POMMY, J | Executive Function in the Context of Intimate Partner Violence |
| 32. | REYNOLDS, BW | Gambler's Ruin: Negative Affect Guides Pursuit of Punishing Choices on the IGT |
| 33. | RYU, K | Relationship Between Naming Ability And Other Neuropsychological Functions |
| 34. | SANTOS, OA | Investigating the Effect of Bilingualism and Nonverbal Intelligence on Executive Functions |
| 35. | SCHMIDT, AT | Exploratory Factor Analysis of Neuropsychological Test Data Suggests a Four Factor Model of Executive Functioning in an Undergraduate Sample |
| 36. | SHIELDS, BJ | Impact of Early Neurologic Insult on Executive Functioning Development in Preschool Children |
| 37. | SKEEL, R | Understanding the Relationship Between Working Memory, Impulsivity, and Aggression |
| 38. | TESSIER, J | Sleep and Executive Functioning in Post-9/11 Combat Veterans With and Without Posttraumatic Stress Disorder |
| 39. | VANDEN BUSSCHE, A | Cognitive Underpinnings of Frontolimbic Dysfunction in PTSD and Impact on Quality of Life |
| 40. | WELSH, M | Child Maltreatment and Hot Executive Function as Predictors of College GPA |
| 41. | WELSH, M | Trauma-specific Symptoms and General Mental Health Status each Predicts Hot Executive Function Performance in a College Sample |
| 42. | XU, J | Predicting Performance in the Alternate Uses Task |
| 43. | ZIEMNIK, RE | Office-based measures of medication management as predictors of real-world medication management |

Language and Speech Functions/Aphasia

44. CROOK, CL Sleep and Language Functioning in Young Adulthood
 45. DEKHTYAR, M Cognitive Control and its Relationship with Cognition and Language in Monolingual and Bilingual Aphasia
 46. MCCULLAGH, J Relationships Between Cognitive, Language, and Central Auditory Processing Assessments in Children
 47. OLIVIER, TW Impact of Ototoxicity on Reading-Related Skills in Patients Treated for Pediatric Medulloblastoma
 48. RAYMER, AM Influence of Noise and Visual Information on Auditory Processing in Aphasia

Memory Functions

49. ANDERSON, JR Variability in Actigraphic Sleep Duration Predicts Word List Recall Performance: A Bayesian Variability Analysis
 50. BEZDICEK, O The learning/encoding versus retrieval deficit hypothesis in Parkinson disease revisited
 51. CARVALHO, JO Does Perceived Control over Memory Affect Performance?
 52. DION, C Sex Differences in the Contribution of Physical Activity to Verbal Learning and Memory in Older Adults
 53. GRILLI, MD The Fractionation of Personal Semantic Memory: Evidence from Two Individuals with Anterior Lateral Temporal Lobe Lesions
 54. JACOBSON, B The Effect of Subsyndromal Symptomatic Depression on Verbal Learning and Memory
 55. KALSCHUR, E Duration of Fame and Extent of Semantic Knowledge of Famous Names in Cognitively Intact Older Adults
 56. PRIMOSCH, M An investigation of the effects of depressive-rumination on prospective memory
 57. MCFARLAND, CP What if time isn't on my side?: Depressive symptoms and psychological distance from past and future events
 58. MEMEL, MB Visual Integration of Objects and Scenes Results in Age-Specific Changes in Hippocampal and Parahippocampal Contributions to Successful Memory Retrieval
 59. PIOLINO, P Does Virtual Reality Have a Future for the Study of Episodic Memory in Clinical Neuropsychology?
 60. REITER, K Developmental amnesia: A case series of adults with congenital heart disease
 61. STEWART, BT An Investigation of the Relations Between Stress and Prospective Memory
 62. STRANG, J May I Have Your Keys? Prospective Memory and Remembering to Remember
 63. WILKISON, C Omission Neglect as Insensitivity to Missing Information: Effect of Episodic Simulation and Relationship with Neuropsychological Measures
 64. YEUNG, RC Enhanced Memory for Threat Distractors in High Social Anxiety

Assessment/Psychometrics/Methods (Child)

65. OTERO, TL Virtual Reality as a Method of Phenotyping Neurocognitive Function in Children and Youth

12:15–1:15 PM**Plenary G (Kaplan Memorial Lecture). Disembodied Minds and Embodied Brains****Presenter: Vilayanur Ramachandran**
Ballroom Salon 2-3

1. RAMACHANDRAN, V

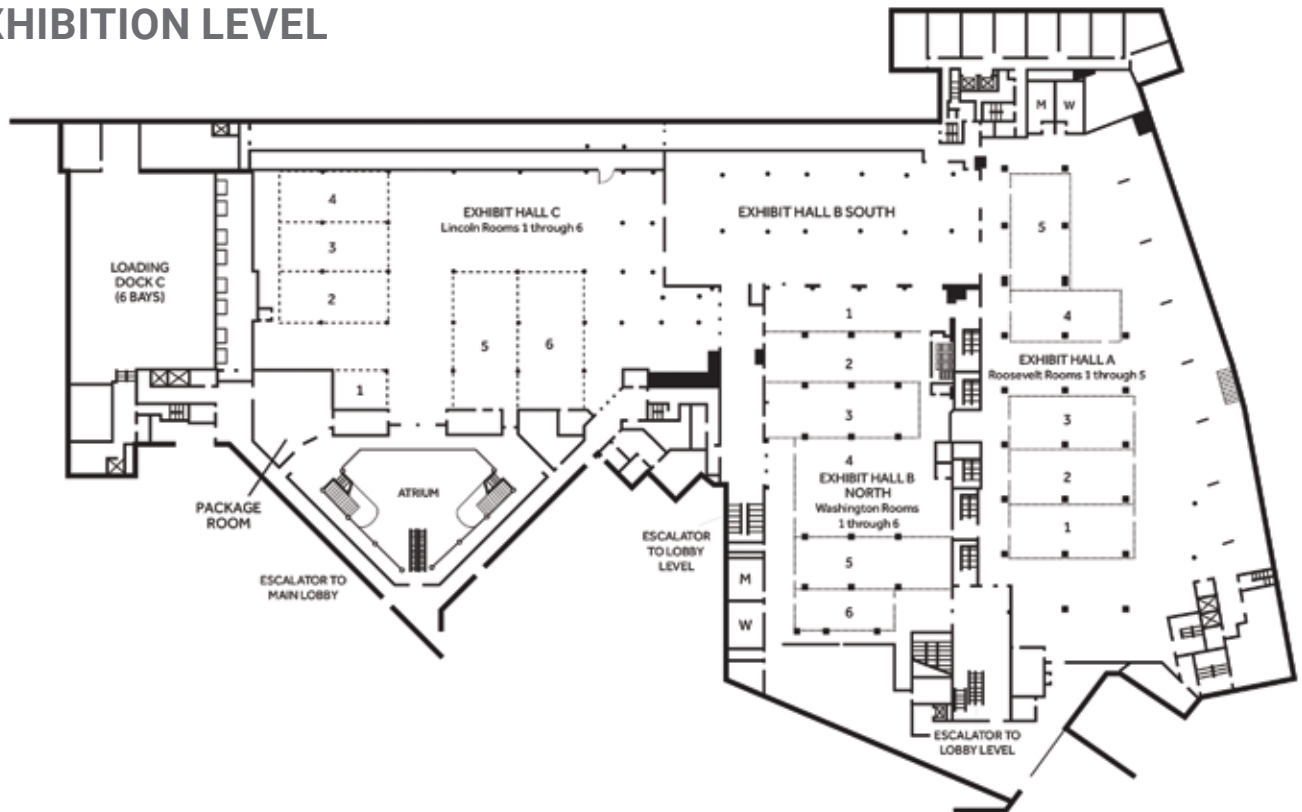
Disembodied Minds and Embodied Brains

1:15–2:15 PM**Kaplan Lecture Luncheon**
Ballroom Salon 1

NOTES

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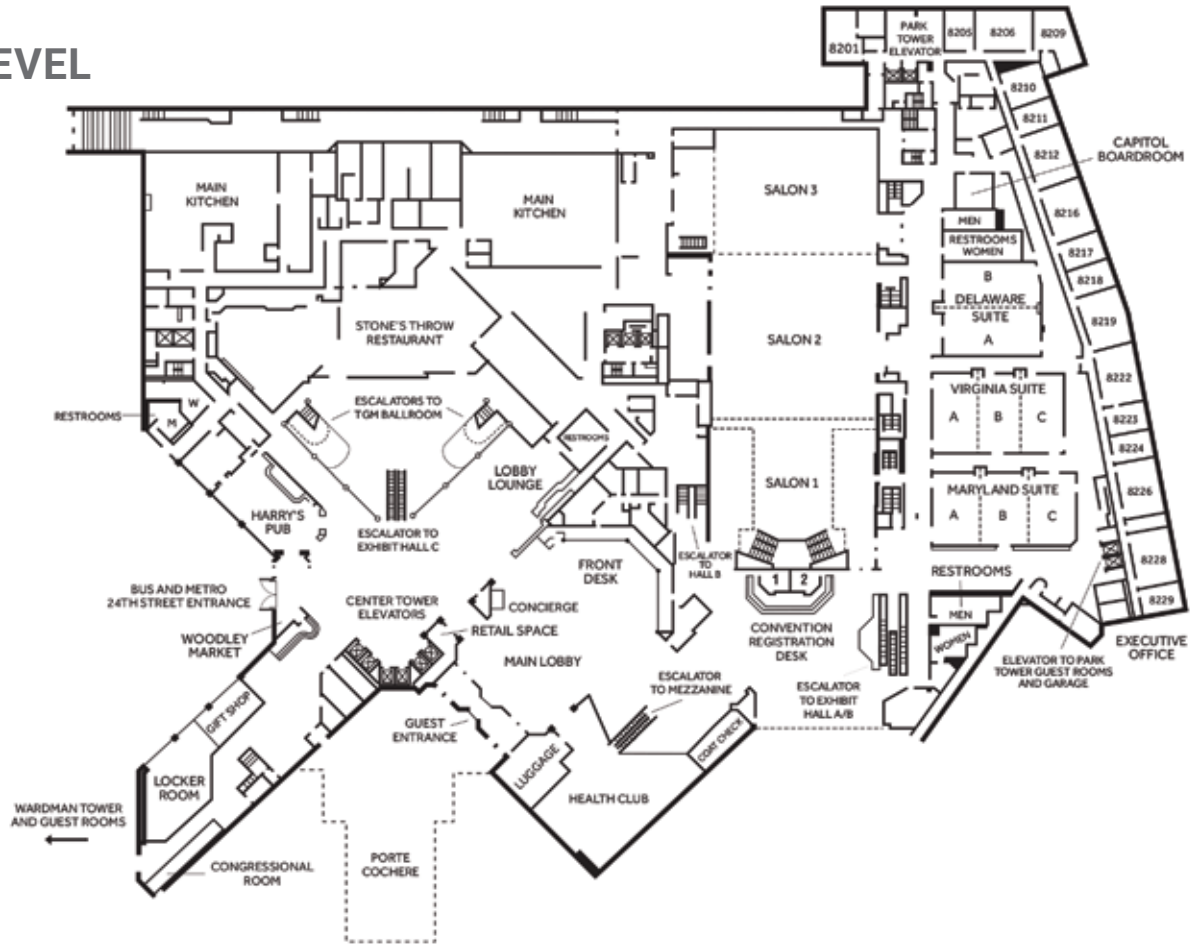


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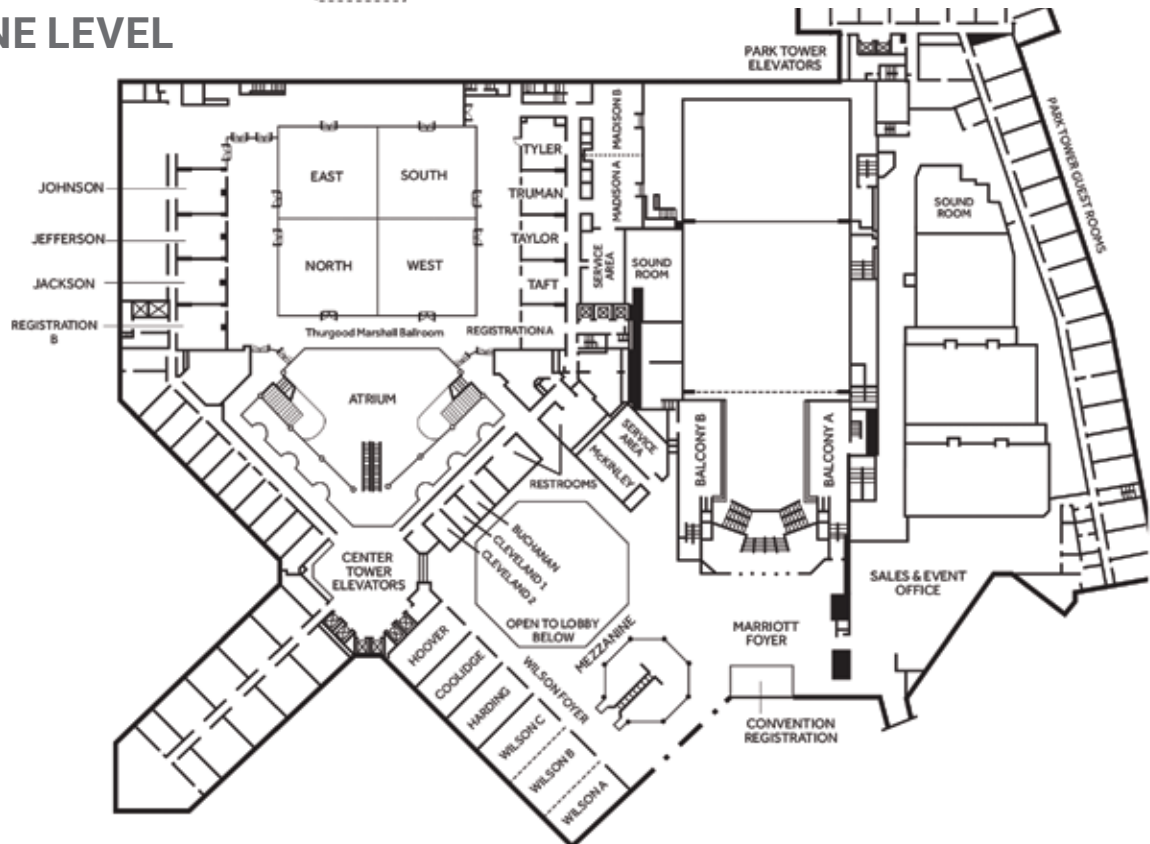
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