INTERNATIONAL
NEUROPSYCHOLOGICAL
SOCIETY

2015 Annual Meeting

Denver, Colorado

February 4–7, 2015
Hyatt Regency Denver
at Colorado Convention Center

Networks, Connectivity, & Neuropsychology

International Neuropsychological Society
INS
Founded 1967

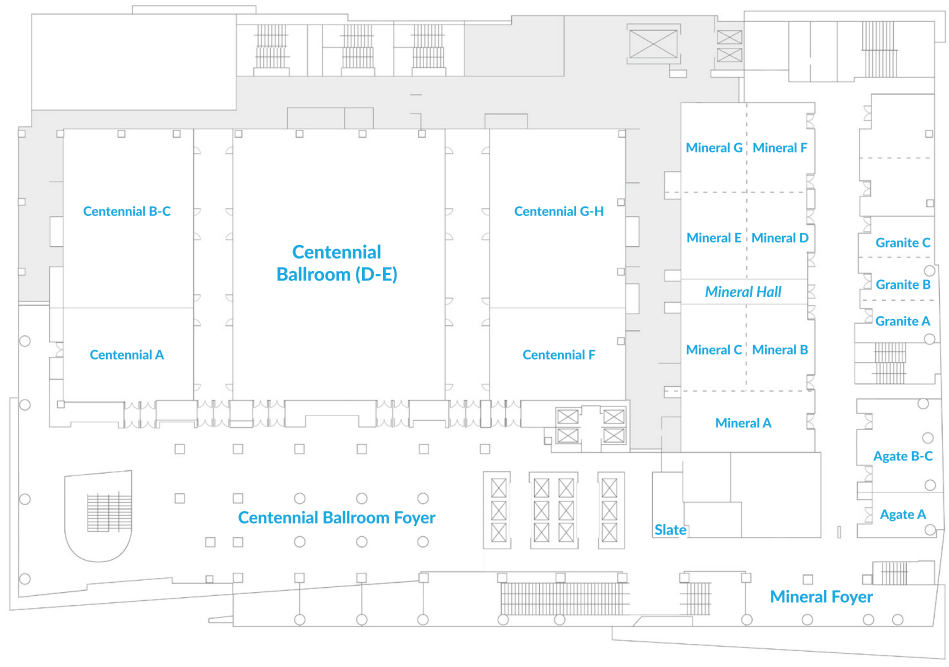
INTERNATIONAL NEUROPSYCHOLOGICAL SOCIETY

2015 Annual Meeting

February 4-7, 2015
Denver, Colorado, USA

Hyatt Regency Denver
at Colorado Convention Center

650 15th Street, Denver CO 80202
Phone: 303.436.1234 | Fax: 303.486.4450



WEDNESDAY FEBRUARY 4

9:00am-12:00pm
Morning CE Workshops
3.0 CE / .3 CEU credits
CE 1 (Silver) *Centennial G-H*
CE 2 (Pennington) *Centennial B-C*
CE 3 (Laird, Robinson) *Centennial A*

1:00-4:00pm
Afternoon CE Workshops
3.0 CE / .3 CEU credits
CE 4 (Yurgelun-Todd) *Centennial A*
CE 5 (Feinstein) *Centennial B-C*
CE 6 (Hermann, Loring, Berl) *Centennial G-H*

1:00-4:00pm
INS Student Liaison Committee Workshop
Brain-Behavior Relationships in the Developing Child: A Primer in Pediatric Neuropsychology (Taylor, Mahone)
Centennial F

4:15-4:30pm
Welcome Address (Cobia)
Centennial Ballroom (D-E)

4:30-5:30pm
Plenary A (Feinstein)
Looking Behind the Smokescreen: Cannabis, Cognition and Multiple Sclerposis
Centennial Ballroom (D-E)

5:30-6:30pm
INS Awards Ceremony with Opening by Phamaly
Centennial Ballroom (D-E)

6:00-7:30pm
Poster Session 1, Poster Symposium (Shura)
Centennial Foyer

6:30-7:30pm
Welcome Reception
Centennial Foyer

THURSDAY FEBRUARY 5

7:20-8:50am
CE Workshops
1.5 CE / .15 CEU credits
CE 7 (Kirkwood) *Centennial G-H*
CE 8 (Stern) *Centennial B-C*

9:00-10:00am
Plenary B (Barch)
Connectomics and Cognition: A Tale of Many Regions
Centennial Ballroom (D-E)

10:00-10:15am
Coffee Break
Centennial Foyer

10:15-11:45am
Breakout Sessions
INS Early Career Award Presentation (Beauchamp)
Centennial Ballroom (D-E)
Paper Session 1: TBI - DTI *Centennial A*
Symposium 1 (Okonkwo) *Centennial B-C*
Paper Session 2 *Centennial F*
Symposium 2 (Grote) *Centennial G-H*

10:15-11:45am
Poster Session 2, Poster Symposium (Sanz)
Centennial Foyer

12:00-1:00pm
Plenary C (Fein)
The Birch Memorial Lecture: Optimal Outcome in Autism Spectrum Disorders
Centennial Ballroom (D-E)

1:30-3:00pm
Breakout Sessions
Invited Symposium (Yurgelun-Todd) *Centennial Ballroom (D-E)*
Paper Session 3: Sleep *Centennial A*
Symposium 3 (Horowitz) *Centennial B-C*
1:30-3:15pm: Symposium 4 (Hillary) *Centennial G-H*

1:30-3:00pm
Poster Session 3
Centennial Foyer

3:00-3:15pm
Coffee Break
Centennial Foyer

3:15-4:45pm
Breakout Sessions
Invited Symposium (Rogalski) *Centennial Ballroom (D-E)*
3:15-4:15pm: INS Mid-Career / Benton Award Presentation (Levine) *Centennial A*
Symposium 5 (Beauchamp) *Centennial B-C*
Symposium 6 (Poulsen) *Centennial G-H*

3:15-4:45pm
Poster Session 4
Centennial Foyer

5:00-6:00pm
Plenary D (Gazzaniga)
Tales from Both Sides of the Brain
Centennial Ballroom (D-E)

6:00-6:45pm
INS Town Hall
Centennial Ballroom (D-E)

7:00-9:00pm
Student Social, Hosted by the INS Student Liaison Committee
Stout St. Social (1400 Stout St)

FRIDAY FEBRUARY 6

7:20-8:50am
CE Workshops
1.5 CE / .15 CEU credits
CE 9 (Aloia) *Centennial G-H*
CE 10 (Kessels) *Centennial B-C*

9:00-10:00am
Plenary E (Hokkanen)
Lifetime Trajectories of Cognition—from Birth Cohorts to Aging Studies
Centennial Ballroom (D-E)

10:00-10:15am
Coffee Break
Centennial Foyer

10:15-11:45am
Breakout Sessions
Paper Session 4 *Centennial A*
Symposium 7 (Dewey) *Centennial B-C*
Paper Session 5 *Centennial F*
Symposium 8 (Arnett) *Centennial G-H*

10:15-11:45am
Poster Session 5
Centennial Foyer

12:00-1:00pm
Plenary F (Catani)
Disconnection in the Connectome Era
Centennial Ballroom (D-E)

1:00-3:00pm
Invited Geschwind Symposium (Filley)
Norman Geschwind and the Lasting Influence of Disconnection
Centennial Ballroom (D-E)

1:30-3:00pm
Breakout Sessions
Symposium 9 (Mabbott) *Centennial B-C*
Symposium 10 (Thames) *Centennial G-H*

1:30-3:00pm
Poster Session 6, Poster Symposium in Honor of Maureen Dennis
Centennial Foyer

3:00-3:15pm
Coffee Break
Centennial Foyer

3:15-4:45pm
Breakout Sessions
Invited Symposium in Honor of Maureen Dennis (Fletcher, Spiegler) *Centennial Ballroom (D-E)*
Paper Session 6 *Centennial A*
Symposium 11 (Royall) *Centennial B-C*
SLC Panel Discussion (Libon, Reynolds, Heaton, Weintraub) *Centennial F*
Symposium 12 (Padgett) *Centennial G-H*

3:15-4:45pm
Poster Session 7, Poster Symposium (Williams)
Centennial Foyer

5:00-6:00pm
Plenary G (Bigler)
INS Presidential Address: Networks, Neural Connectivity and Neuropsychology
Centennial Ballroom (D-E)

6:00-6:30pm
INS Business Meeting
Centennial Ballroom (D-E)

6:30-7:30pm
Friday Evening Reception
Capital Ballroom (Level 4)

SATURDAY FEBRUARY 7

7:20-8:50am
CE Workshops
1.5 CE / .15 CEU credits
CE 11 (Nadeau) *Centennial G-H*
CE 12 (Rankin) *Centennial B-C*

9:00-10:30am
Breakout Sessions
Invited Symposium (Andrews-Hanna) *Centennial Ballroom (D-E)*
Paper Session 7 *Centennial A*
Symposium 13 (Tulsky) *Centennial B-C*
Paper Session 8 *Centennial A*

9:00-10:30am
Poster Session 8
Centennial Foyer

10:30-10:45am
Coffee Break
Centennial Foyer

10:45am-12:15pm
Breakout Sessions
Paper Session 8 *Centennial A*
Symposium 14 (Haaland, Bauer) *Centennial B-C*

10:45am-12:15pm
Poster Session 9
Centennial Foyer

12:30-2:00pm
Breakout Sessions
Paper Session 10 *Centennial A*
Symposium 15 (Ewing-Cobbs) *Centennial B-C*
Symposium 16 (Smith) *Centennial G-H*

12:30-2:00pm
Poster Session 10
Centennial Foyer

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Section 1

Section 2: Final Program

Photos courtesy of VISIT DENVER (Denver Airport photo by Rich Grant, bottom & middle left photos by Stevie Crecelius)

Dear Colleagues,

It is our great pleasure to welcome you to the 43rd Annual Meeting of the International Neuropsychological Society in the heart of the Rocky Mountains. Denver is a vibrant location where urban sophistication meets outdoor adventure. The Mile High City has stunning architecture, award-winning dining and unparalleled views all within walking distance from the 16th Street pedestrian mall located a couple of blocks from the Hyatt Regency Denver. We hope you find time to explore this thriving and beautiful city.

Recent and exciting developments in understanding the integrative and dynamic processes of the brain have inspired the theme for this year — *"Networks, Connectivity, and Neuropsychology."* With new discoveries of the connected brain rapidly unfolding, new challenges await the field of neuropsychology.

Invited speakers were specifically selected with this theme and challenge in mind. We were quite fortunate to recruit exceptional individuals whose work has been critical to our understanding of the cognitive aspects of the connected brain and its various disorders. Keynote speakers include **Michael Gazzaniga** who will provide a historical perspective on brain connectivity and his seminal contributions over the years from split-brain research; the Birch Lecturer **Deborah Fein** on pathways for positive outcomes in autism; **Deanna Barch** on the importance of functional connectivity for understanding cognition from her involvement in the Human Connectome Project; **Anthony Feinstein** on the cognitive impact of cannabis use in MS; **Marco Catani** on the modeling of cognitive and psychiatric disorders as disconnection syndromes, and **Laura Hokkanen** on the importance of longitudinal studies to understanding abnormal cognitive development.

Invited symposiasts were diverse, yet engaging, in their topics, which include exploring the brain's default network, refining our expectations of cognitive aging, and understanding the effects of cannabis in vulnerable populations. Special symposium programming was also organized to celebrate the 50th anniversary of INS's fourth President, **Norman Geschwind**'s 1965 seminal "disconnexion" papers in Brain, and will include important insights and retrospectives into his work by former trainees. In addition, both invited and special poster symposia were planned by former trainees and colleagues to honor the late **Maureen Dennis** and showcase her contributions to pediatric neuropsychology.

Acknowledgment of Raul Gonzalez's significant efforts as the INS Chair of Continuing Education should also be recognized. Along with his committee, he has once again formed a stimulating CE program in line with the conference theme and done so with great enthusiasm.

Other highlights for the meeting include our Society's first meeting mobile app for smart devices. Developed in conjunction with TripBuilder, the app will allow participants to get the most out of their attendance. Highlighted features include: full detailed listing of each event, an electronic copy of the Program Guide, customizable schedule, interactive map, session-by-session surveys, information on local entertainment/ restaurants, as well as discounts for INS attendees. Download and let us know what you think!

We are excited and pleased to have organized the 2015 Annual Meeting for the INS membership and hope you enjoy your time in Denver!

Erin Bigler
INS President

Derin Cobia
Program Chair

INS 43rd Annual Meeting
Denver 2015 Program Committee

INS President
Erin D. Bigler

Program Chair
Derin J. Cobia

Program Planning Committee

Alan Anticevic
Melissa Armstrong
Sarah Banks
Russell M. Bauer
Robert Bilder+
Douglas Bodin
Beth Borosh
Adam Brickman
Michael Brook
Angela Capps
J. Mimi Castelo‡
Jimmy Choi
Howard Cleavinger
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Tamar Gefen
Don Gerber‡
Jeffrey Gfeller
Kim Gorgens‡
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Marc Haut+
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Ramona Hopkins
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William MacAllister
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Meghan Mitchell
Kelli L. Netson
Ozioma Okonkwo
Jennie Ponsford
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Jennifer Queally
James Reilly+
Emily Rogalski
P. Tyler Roskos
Phillip Ruppert
Lauren Schwarz
Michael Sharland
Traci Sitzer
Lisa Stanford
Ioan Stroescu
Jared Tanner
David Tate
Eli Vakil
Neeltje van Haren
Jennifer Vasterling+
Elisabeth Wilde
David J. Williamson
Trevor Wu

+ *Member of Program Planning Executive Committee*
‡ *Member of Local Arrangements Committee*

Photo courtesy Ron Ruscio, VISIT DENVER.

Meeting Information

Badge & Registration

The official INS name badge must be worn at all sessions and events at the Annual Meeting, including ancillary events and meetings.

Your INS badge is required for admittance to all CE workshops, and will be checked by a volunteer proctor upon entry to CE sessions.

INS Registration Desk

The INS Registration Desk is located in the Mineral Foyer on Level Three. All authors, invited speakers, and exhibitors must visit the Registration Desk upon arrival to pick up their name badges and registration materials.

INS Registration Desk Hours:

Tuesday, February 3	3:00 PM–6:00 PM
Wednesday, February 4	8:00 AM–5:30 PM
Thursday, February 5	7:00 AM–5:00 PM
Friday, February 6	7:00 AM–5:00 PM
Saturday, February 7	7:00 AM–1:00 PM

General Information

The venue for the INS 43rd Annual Meeting is the Hyatt Regency Denver at Colorado Convention Center.

Attendance Certificates

If you require a certificate documenting your attendance, please inquire at the INS Registration Desk in Mineral Foyer.

Internet Access

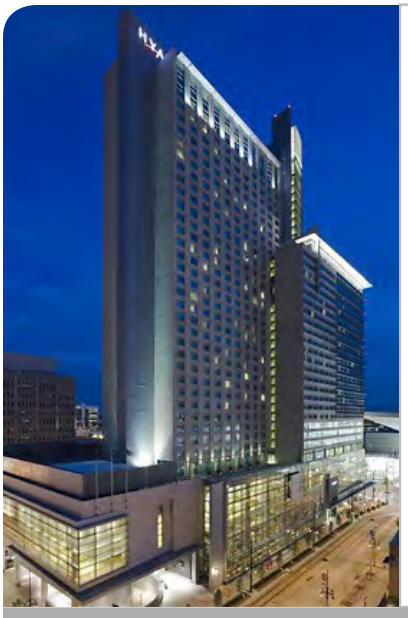
There is complimentary Wi-Fi in the hotel lobby as well as in the guest rooms.

Interviews

Granite Rooms A, B, and C are designated as interview rooms. The rooms will be open beginning Tuesday, February 3rd at 7:00 AM through Saturday, February 8th at 2:00 PM.

Please check the message boards for posted interviewing opportunities.

Interviews are arranged independently between interviewers and candidates. INS is not responsible for coordinating interviews.



Official Venue & Headquarter Hotel

The venue for the INS 43rd Annual Meeting is the **Hyatt Regency Denver *at Colorado Convention Center***.

The **Hyatt Regency Denver** is mere steps from ***The Mile-High City's*** incredible selection of shopping, entertainment, arts and culture, and countless other attractions.

Photo courtesy VISIT DENVER, Hyatt Regency Denver

Hyatt Regency Denver at Colorado Convention Center

650 15th Street, Denver CO, USA, 80202
Phone: 303 436 1234, Fax: 303 486 4450
denverregency.hyatt.com

INS Mobile Meeting App

For the first time in 2015, you can take the INS Annual Meeting in your pocket with our new meeting app for mobile phones, tablets, and computers.

The INS mobile meeting app lets you view the complete Denver program schedule, including the electronic program book, invited speaker bios and abstracts, Denver travel and destination information—including special deals coordinated for registered INS attendees by the Local Arrangements Committee—and much more.

You can even view (or upload) poster author handouts in PDF format. Just click on the Posters icon and select the presentation you wish to view. PDF uploads are limited to 1MB or smaller.

To get started, scan the QR code below, search for "INS 2015" at the Apple Store or Android Market, or visit **www.tripbuildermedia.com/apps/ins15**.

Scan the QR code to go to the INS Mobile Meeting App Website Now or visit ***www.tripbuildermedia.com/apps/ins15***

What is Included in Registration?

The ***General Registration Fee*** includes attendance at all Plenary and invited lectures, and all other general sessions at the 43rd Annual Meeting. It includes all coffee breaks and receptions, and allows attendance at ancillary meetings (some by invitation only), social functions, and special events.

CE Workshops

The only sessions not included in the *General Registration Fee* are 1.5 and 3-hour CE Workshops; in order to attend these workshops you must pre-register and pay an additional course fee.

General Sessions

The heartbeat of the Annual Meeting scientific program, general sessions include all presentations by submitting abstract authors—including paper and symposia sessions, poster symposia, and poster sessions—as well as all plenary sessions, invited symposia, and events hosted by INS.

Plenary Sessions

Plenary sessions are open to ALL registered attendees of the 43rd Annual Meeting—plenary sessions do NOT require advance registration. All plenary sessions are, in addition, offered for one hour of continuing education (CE) credit for those who complete all CE requirements and submit the separate CE registration and fee.

Please Note: Volunteer proctors will be posted at the entry to the Grand Ballroom during all Plenary Sessions to distribute continuing education (CE) attendance slips. **Attendees do not need to complete and submit a CE attendance slip unless they plan to seek CE credit for their participation in the session.**

Social Events & Exhibit Hall

Your INS meeting badge allows entry to all official social events at the 43rd Annual Meeting, including daily networking during coffee breaks and evening receptions, and the **Exhibit Hall** located in the Centennial Ballroom Foyer.

Evening Receptions

Don't miss the **INS Welcome Reception** on Wednesday February 4th from 6:30–7:30 PM in the Centennial Ballroom Foyer, in conjunction with the Exhibit Hall grand opening and the first poster session.

On Friday February 6th, join us for the **Friday Reception** from 6:30–7:30 PM in the Capitol Ballroom, upstairs on Level Four. *Enjoy the piano and violin by a young brother and sister prodigy team courtesy of Phamaly Theatre company.*

Receptions are intended for registered INS meeting attendees only.

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

Calling all students! Trainees of all levels are welcome to join the INS SLC at the bi-annual **INS SLC Student Social** for an opportunity to network with SLC members and INS Governing Board members. Light refreshments will be served! The Social will be held on Thursday February 5th from 7:00–9:00 PM at Stout St. Social, at 1400 Stout Street in downtown Denver.

Scientific Program & Abstract Publication

The complete program and abstracts listing will be published in an online supplemental issue of the ***Journal of the International Neuropsychological Society***, Volume 21 (forthcoming during 2015). All supplemental issues of JINS are freely available online, without a subscription.

Prior to publication in JINS, the 43rd Annual Meeting program and abstracts listing may be viewed or downloaded in PDF format at **http://tinyurl.com/INS2015**, or by scanning the QR code below.

Scan the QR code to download the Final Program PDF (with author and keyword indices) or visit ***tinyurl.com/INS2015***

Go Green with INS!

INS is striving to reduce its footprint and select more eco-friendly meeting products in 2015.

Electronic Program Book

Many attendees chose to opt-out of receiving a printed program book in an effort to reduce the amount of paper waste generated by the Annual Meeting. This option will continue to be available at future INS meetings.

INS Delegate Bags & Supplies

For 2015, all INS meeting supplies are 100% recyclable and reusable.

The INS water bottles are made from food-safe, BPA-free PETE plastic, and the barrel of the ballpoint stylus is made of recycled paper.

After the meeting, the INS delegate bag can be recycled, along with the water bottle and paper materials.

Recycling Stations Available Onsite

Recycling bins are provided throughout the meeting facility and in meeting rooms. Please re-use or recycle any INS meeting supplies you do not wish to keep!

About the INS

The International Neuropsychological Society (INS) is a multi-disciplinary, 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.

Founded in 1967, INS now has more than 4800 members representing more than 60 different countries worldwide.

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 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.

New Members Welcome!

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

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**

Future INS Meetings

5th INS/ASSBI Pacific Rim Meeting	1-4 July 2015	Sydney, NSW, Australia
44th Annual Meeting	3-6 February 2016	Boston, Massachusetts, USA
2016 Mid-Year Meeting	5-8 July 2016	London, England, UK
45th Annual Meeting	1-4 February 2017	New Orleans, Louisiana, USA

Speaker Ready Room

The Speaker Ready Room is located in the **SLATE ROOM** on Level Three, between the Mineral Foyer and the Centennial Ballroom Foyer.

Speakers are not permitted to use their own computers or devices for their presentation. Please also note that internet access is not available for presentations, and no paper handouts will be distributed. Presenters will have access to a laptop, mouse, laser pointer, and microphone in the lecture hall.

Speaker Ready Room Hours:

Wednesday, February 4	8–10 AM, 12–1 PM, and 3–5 PM
Thursday, February 5	7–11 AM and 12:30–5 PM
Friday, February 6	7–10 AM and 12-4 PM
Saturday, February 7	7–11:30 AM

ALL SPEAKERS (INCLUDING PAPER, SYMPOSIA, AND INVITED & CE SPEAKERS) are REQUIRED TO CHECK-IN at the SPEAKER READY ROOM by no later than ONE HOUR prior to their assigned session, or preferably, the day before their presentation.

Speakers are not permitted to use their own computers or devices during their presentation. A technician will be available during posted room hours to assist in uploading speaker presentations to a central computer. This will ease transitions between sessions where time is extremely tight. Speakers are strongly encouraged to check-in well in advance of their scheduled presentation, preferably the day before if possible.

Paper Presenters

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

All paper sessions are 90 minutes and will consist of 4-6 presentations. Each session has a moderator selected from the Program Committee, who will introduce each speaker, help solve any problems, and keep the session on time.

Depending on the number of authors in your session, you will have between 10-15 minutes to present your paper, including time for introductions and transitions. **Please stay within your allotted time, as each session is under a strict time limitation.** A brief discussion period will follow each presentation.

Poster Symposia Presenters

All poster symposia will take place in the Centennial Ballroom Foyer on Level Three. **Please arrive 10 minutes prior to the start of your assigned poster session.**

Poster symposia will occur during regular poster sessions, but symposia posters will be grouped together and positioned in such a way as to provide a cohesive presentation on their selected topic.

Please follow the instructions listed here for Poster Presenters.

Poster Presenters

All poster sessions will take place in the Centennial Ballroom Foyer on Level Three. **Please arrive 10 minutes prior to the start of your assigned poster session.**

Please refer to the final program in Section II to find the poster number assigned to your poster (the number that appears to the left of the presenting author's name). Please mount your poster on the poster board labeled with the same number.

A volunteer will be available to distribute INS-approved velcro fasteners 10 minutes prior to the start of each poster session. **Fastening devices other than those distributed by INS are NOT permitted** (such as tape, push pins, or staples).

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.

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, 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.**

Daily Program Overview

Wednesday, February 4, 2015

9:00am-12:00pm
Morning CE Workshops

CE 1: Persistent Neuropsychiatric Symptoms After Concussion: Evaluation, Effort, and Ethics
Jonathan M. Silver
Centennial G-H

CE 2: Genes, Brain, and Behavior in Neurodevelopmental Disorders: Science and Practice
Bruce F. Pennington
Centennial B-C

CE 3: Neurocognitive Networking: Modern Neuroimaging Methods for Understanding Neurocognition
Angela R. Laird and Jennifer Robinson
Centennial A

1:00-4:00pm
Afternoon CE Workshops

CE 4: Impact of Marijuana on the Developing Brain
Deborah Yurgelun-Todd
Centennial A

CE 5: The Neuropsychiatry of Multiple Sclerosis
Anthony Feinstein
Centennial B-C

CE 6: Primary and Treatment Related Comorbidities in Pediatric and Adult Epilepsies: Revising our Understanding of the Relationships
Bruce P. Hermann, David W. Loring, and Madison Berl
Centennial G-H

1:00-4:00pm
INS Student Liaison Committee Workshop: Brain-Behavior Relationships in the Developing Child: A Primer in Pediatric Neuropsychology
H. Gerry Taylor, E. Mark Mahone
Centennial F

4:15-4:30pm
Welcome Address
Derin J. Cobia, Denver Program Chair
Centennial Ballroom (D-E)

4:30-5:30pm
Plenary A: Looking Behind the Smokescreen: Cannabis, Cognition and Multiple Sclerosis
Anthony Feinstein
Centennial Ballroom (D-E)

5:30-6:30pm
INS Awards Ceremony With Opening by Phamaly Theatre Company
Centennial Ballroom (D-E)

6:00-7:30pm
Poster Symposium & Poster Session 1

Poster Symposium: Cognitive and Neuropsychiatric Functioning of OIF/OEF/OND Veterans
Chair: Robert D. Shura
Centennial Foyer

Poster Session 1: ABI-Adult & Emotional Processes
Centennial Foyer

6:30-7:30pm
Welcome Reception
Centennial Foyer

Thursday, February 5, 2015

7:20-8:50am
CE Workshops

CE 7: Pediatric Mild TBI: Who Gets Better, Who Doesn't, and What's Neuropsychology Got To Do With It
Michael Kirkwood
Centennial G-H

CE 8: Cognitive Reserve, From Theory to Intervention
Yaakov Stern
Centennial B-C

9:00-10:00am
Plenary B: Connectomics and Cognition: A Tale of Many Regions
Deanna M. Barch
Centennial Ballroom (D-E)

10:00-10:15am
Coffee Break
Centennial Foyer

10:15-11:45am
INS Early Career Award Presentation: Brain, Behavior and Beyond: Tracing the Social Landscape of Pediatric TBI
Miriam Beauchamp, INS Early Career Award Winner
Centennial Ballroom

10:15-11:45am
Breakout Sessions

Paper Session 1: TBI - DTI
Moderator: Elisabeth Wilde
Centennial A

Symposium 1. Investigating Preclinical Alzheimer's Disease: The Wisconsin Registry for Alzheimer's Prevention Experience
Chair: Ozioma Okonkwo
Centennial B-C

Paper Session 2: Pediatric Neuropsychology & Neuroimaging
Moderator: Dalin Pulsipher
Centennial F

Symposium 2: International Perspectives on Education and Training in Clinical Neuropsychology
Chair: Chris Grote
Centennial G-H

10:15-11:45am
Poster Symposium & Poster Session 2

Poster Symposium: Executive Function in Pediatric Medical Conditions
Chair: Jacqueline Sanz
Centennial Foyer

Poster Session 2: EF/Frontal, Forensic, & Malingering
Centennial Foyer

12:00-1:00pm
Plenary C—The Birch Memorial Lecture: Optimal Outcome in Autism Spectrum Disorders
Deborah A. Fein
Centennial Ballroom (D-E)

1:30-3:00pm
Invited Symposium: Cannabis Effects in Vulnerable Populations
Chair: Deborah Yurgelun-Todd
Centennial Ballroom (D-E)

1:30-3:00pm
Breakout Sessions

Paper Session 3: Sleep
Moderator: Angela Jefferson
Centennial A

Symposium 3: A New Look at Chemobrain: Conceptualizing and Measuring Cognition in Cancer Patients
Chair: Todd Horowitz
Centennial B-C

Symposium 4 (**1:30-3:15pm**): Using Neuroimaging and Connectivity Modeling to Understand Network Plasticity After Brain Injury: Advancing Theory and Methods
Chair: Frank Hillary
Centennial G-H

1:30-3:00pm
Poster Session 3: Aging & Epilepsy
Centennial Foyer

3:00-3:15pm
Coffee Break
Centennial Foyer

3:15-4:15pm
INS Mid-Career (Arthur Benton) Award Presentation: A Glimpse Behind the Veil: Multimodal Assessment and Rehabilitation of Memory and Executive Functioning
Brian Levine, INS Benton Award Winner
Centennial A

3:15-4:45pm
Invited Symposium: Refining Our Expectations and Understanding of Cognitive Aging
Chair: Emily Rogalski
Centennial Ballroom (D-E)

3:15-4:45pm
Breakout Sessions

Symposium 5: Biological Markers of Social and Emotional Impairment After Traumatic Brain Injury
Chair: Miriam Beauchamp
Centennial B-C

Symposium 6: Functional Mapping for Presurgical Planning Using dEEG Source Localization and Transcranial Stimulation
Chair: Catherine Poulsen
Centennial G-H

3:15-4:45pm
Poster Session 4: Cross Cultural, Drugs, Genetics, HIV/AIDS, & MS/ALS
Centennial Foyer

5:00-6:00pm
Plenary D: Tales from Both Sides of the Brain
Michael S. Gazzaniga
Centennial Ballroom (D-E)

6:00-6:45pm
INS Town Hall
Centennial Ballroom (D-E)

Friday, February 6, 2015

7:20-8:50am
CE Workshops

CE 9: Sleep: A Silent Contributor to Cognitive Problems
Mark S. Aloia
Centennial G-H

CE 10: Learning from Your Mistakes? Errorless Learning in Amnesia and Dementia
Roy P. Kessels
Centennial B-C

9:00-10:00am
Plenary E: Lifetime Trajectories of Cognition—from Birth Cohorts to Aging Studies
Laura Hokkanen
Centennial Ballroom (D-E)

10:00-10:15am
Coffee Break
Centennial Foyer

10:15-11:45am
Breakout Sessions

Paper Session 4: Alzheimer's Disease
Moderator: Munro Cullum
Centennial A

Symposium 7: Developmental Motor Disorders: From Genes to Brains to Behavior
Chair: Deborah Dewey
Centennial B-C

Paper Session 5: Alcohol-Related Dysfunction
Moderator: William MacAllister
Centennial F

Symposium 8: Behavioral Genetics in Neuropsychology: Exploring New Frontiers in MS and mTBI
Chair: Peter Arnett
Centennial G-H

10:15-11:45am
Poster Session 5: Imaging (Structural & Functional) & Psychopathology/Neuropsychiatry
Centennial Foyer

12:00-1:00pm
Plenary F: Disconnection in the Connectome Era
Marco Catani
Centennial Ballroom (D-E)

1:00-3:00pm
Invited Geschwind Symposium: Norman Geschwind and the Lasting Influence of Disconnection
Chair: Chris M. Filley
Centennial Ballroom (D-E)

1:30-3:00pm
Breakout Sessions

Symposium 9: The Role of Physiological Factors and Novel Interventions in Mitigating Poor Neuropsychological Outcomes in Pediatric Brain Tumor Survivors
Chair: Donald Mabbott
Centennial B-C

Symposium 10: Stepping Out from Silence: Initiating Difficult Dialogues about Diversity in the Context of Neuropsychological Education, Training, and Leadership
Chair: April Thames
Centennial G-H

1:30-3:00pm
Poster Symposium & Poster Session 6

Poster Symposium in Honor of Maureen Dennis
Centennial Foyer

Poster Session 6: Assessment-Child, Dementia (AD), & Medical/Neurological Disorders-Child
Centennial Foyer

3:00-3:15pm
Coffee Break
Centennial Foyer

3:15-4:45pm
Invited Symposium: The Young Damaged Brain: A Symposium in Honor of Maureen Dennis
Organizers: Jack M. Fletcher and Brenda Spiegler
Discussant: Erin D. Bigler
Centennial Ballroom (D-E)

3:15-4:45pm
Breakout Sessions

Paper Session 6: TBI - Functional Imaging
Moderator: Michael Larson
Centennial A

Symposium 11: The Psychometric Assessment of Dementia and Related Conditions using the Latent Variable "δ"
Chair: Donald Royall
Centennial B-C

Panel Discussion: The Use of Neuropsychological Instruments in Research, Presented by the INS Student Liaison Committee
David Libon, Sandra Weintraub, Robert Heaton, Cecil Reynolds
Centennial F

Symposium 12: How Your Network Shapes Your Science and Vice Versa: New Ways to Think about Advancing Your Research Career and Obtaining Funding
Chair: Lynne Padgett
Centennial G-H

3:15-4:45pm
Poster Symposium & Poster Session 7

Poster Symposium: Anterograde Memory Disorder As Disconnection Syndrome
Chair: J. Michael Williams
Centennial Foyer

Poster Session 7: Behavioral Neurology, Dementia (Subcortical), & Medical/Neurological Disorders-Adult
Centennial Foyer

5:00-6:00pm
Plenary G—The INS Presidential Address: Networks, Neural Connectivity and Neuropsychology
Erin D. Bigler, INS President
Centennial Ballroom (D-E)

6:00-6:30pm
INS Business Meeting
Centennial Ballroom (D-E)

6:30-7:30pm
Friday Evening Reception
Capitol Ballroom (Level Four)

Saturday, February 7, 2015

7:20-8:50am
CE Workshops

CE 11: How Neurons Enable Language and Cognition
Stephen E. Nadeau
Centennial G-H

CE 12: Neurobiology of Socioemotional Behavior in Health and Neurologic Disease
Katherine P. Rankin
Centennial B-C

9:00-10:30am
Invited Symposium: Exploring the Function and Dysfunction of the Brain's Default Network
Chair: Jessica Andrews-Hanna
Centennial Ballroom (D-E)

9:00-10:30am
Breakout Sessions

Paper Session 7: Veteran Populations
Moderator: David Tate
Centennial A

Symposium 13: Using the NIH Toolbox for Neuropsychological and Behavioral Functioning in Individuals who have Disabilities
Chair: David Tulsky
Centennial B-C

Paper Session 8: Aging
Moderator: Katherine Gifford
Centennial A

9:00-10:30am
Poster Session 8: ABI-Child, Autism, Cognitive Neuroscience, & Electrophysiology/ EEG
Centennial Foyer

10:30-10:45am
Coffee Break
Centennial Foyer

10:45am-12:15pm
Breakout Sessions

Paper Session 8: Cognitive Neuroscience
Moderator: Scott Langenecker
Centennial A

Symposium 14: The Many Faces of Memory Disorders: Video Case Examples and Neuroanatomical Correlations
Organizers: Kathy Haaland, Russell Bauer
Discussant: Michael Kopelman
Centennial B-C

10:45am-12:15pm
Poster Session 9: Assessment-Adult, Cognitive Intervention/ Rehab, & Visuospatial/Neglect
Centennial Foyer

12:30-2:00pm
Breakout Sessions

Paper Session 10: Autism
Moderator: Melissa Armstrong
Centennial A

Symposium 15: Disruption of Neural Connectivity After Traumatic Brain Injury in Children: Contribution of Neuroimaging to Understanding Long-Term Cognitive and Behavioral Outcomes
Chair: Linda Ewing-Cobbs
Centennial B-C

Symposium 16: Exercise as Brain Medicine: State of the Science
Chair: J. Carson Smith
Discussant: Steve Rao
Centennial G-H

12:30-2:00pm
Poster Session 10: ADHD/Attention, Cancer, Language/Aphasia, Learning Disabilities/Academic, & Memory
Centennial Foyer

The INS Awards Program

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

INS Awards Ceremony

Join us in support of your deserving colleagues at the INS Awards Ceremony on Wednesday, February 4th at 5:30pm, where the recipients of this year's awards will be honored. The ceremony will kick off with a special performance by Denver's own **Phamaly Theatre Company**, and will be followed by a Welcome Reception and the meeting's inaugural poster session.

INS Awards

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 Awards Ceremony With Opening Performance By Phamaly Theatre Company

Wednesday February 4th, 5:30 to 6:30 PM
Centennial Ballroom (D-E)

WHAT IS Phamaly? Formerly known as the Physically Handicapped Actors & Musical Artists League, Phamaly was the first theatre company in the United States to exclusively cast actors with disabilities across the spectrum (physical, cognitive, emotional, blindness, deafness, etc.). The organization now serves as a model and catalyst for start-up theatre companies across the country.

INS Program Awards

INS Program Awards are selected by the Program Committee to recognize the most outstanding scientific contributions at the INS Annual (and Mid-Year) Meetings. These include the ***Nelson Butters Award*** for outstanding submission by a postdoctoral fellow, the ***Phillip M. Rennick Award*** for 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 biannual INS meeting through the selection of the ***SLC Student Research Awards***.

Previous Award Winners

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

www.the-ins.org/ins-awards

Nominations for 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*.

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

To inquire about awards nominations, please contact **INS@utah.edu**.

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.

Robert K. Heaton is Chair of the Awards Committee.

Paul Satz-INS Career Mentoring Award

Sponsored by Psychological Assessment Resources, Inc.

David J. Libon

David J. Libon is a pioneer in the study of neuropsychological syndromes associated with vascular disease and vascular dementia with continued research interests revolving around vascular co-morbidities as related to insidious onset dementia. All of Dr. Libon's professional activities have truly been a collaborative effort.

Dr. Libon received his doctorate in psychology from the University of Rhode Island and subsequently went on for training in clinical neuropsychology at the Boston VA Medical Center with Edith Kaplan. It was at the Boston VA that Dr. Libon began a 30 year collaborative relationship with Rod Swenson.

Dr. Libon's mentoring activities began in 1991 where, for a time, the Libon lab was the only neuropsychology lab in the United States looking at vascular disease and the effects of MRI evidence of vascular disease on the phenotypic expression of dementia. It was during this time that Dr. Libon had the privilege of working with Tania Giovannetti, Melissa Lamar, Catherine Price, Kelly Davis Garrett, Angela Jefferson, and Stephanie Cosentino, all of whom have gone on to establish their own laboratories, conducting their own independent neuropsychological research, and mentoring a new generation of neuropsychologists.

In 2007, Dr. Libon established an active neuropsychology service at the Department of Neurology, Drexel University, College of Medicine. Since then, he and his co-workers have written a series of papers that have operationally defined important cognitive constructs known to affect a wide variety of dementia syndromes.

In conjunction with Mark Bondi and many of his colleagues from the University of California, San Diego, including Lisa Delano-Wood, Daniel A. Nation, and Kate Bangen, this work has recently been extended to include research using statistical modeling techniques to define phenotypic syndromes associated with mild cognitive impairment (MCI).

Dr. Libon has co-edited a book detailing the history and clinical science of the Boston Process Approach, has served on the editorial board of the *Journal of the International Neuropsychological Society*, and is currently an Associate Editor of the *Journal of Alzheimer's Disease*.

Throughout his career Dr. Libon has thrived on collaborative relationships between mentor and mentee, encouraging students to develop their ideas and follow their own interests. If the Libon lab has any claim for originality and the elucidation of new constructs that contribute to our knowledge of brain and behavior as related to dementia, it is because of the collective effort of many talented and hard-working people.

In many ways Dr. Libon modeled his mentor style based on the mentorship he received from his own teachers, including Edith Kaplan, Murray Grossman, Kenneth M. Heilman, Robert J. Schwartzman, and Dominic Valentino. In this sense the Libon lab has attempted to give to new generations of neuropsychologists a sense of history from which new discoveries can be made.

Career Awards

Miriam H. Beauchamp

INS Early Career Award Presentation: Brain, Behavior and Beyond: Tracing the Social Landscape of Pediatric TBI

Thursday, February 5th
10:15 to 11:15 AM
Centennial Ballroom (D-E)

Abstract

Through a journey from toddlerhood to adolescence, this talk will provide a multimodal perspective of the impact of pediatric traumatic brain injury (TBI) on social functioning. The emergence of socially meaningful interactions, better perspective taking, greater social independence and more complex societal roles and responsibilities are key milestones of social development. Brain disruptions occurring at any stage along this path can disturb the delicate balance of environmental, cerebral, and cognitive processes underlying social competence, leading to inappropriate social behaviors. However, our ability to foresee adverse social outcomes after pediatric TBI is challenged by the complexity of factors underlying socio-cognitive development and limitations in the tools used for detecting brain lesions and their associated sequelae. Using sensitive neuroimaging tools and drawing on a variety of ecological social assessment approaches has the potential to improve prognosis and the early identification of youth at-risk for engaging in socially maladaptive behaviors after pediatric TBI.

Brian Levine

INS Mid-Career / Benton Award Presentation: A Glimpse Behind the Veil: Multimodal Assessment and Rehabilitation of Memory and Executive Functioning

Thursday, February 5th
3:15 to 4:15 PM
Centennial A

Abstract

In assessing human behavior, psychologists attempt to approximate the real life experiences and functional abilities of their subjects. This is perhaps most challenging for higher-order cognitive capacities, including memory and executive functions. Changes in these functions are central to society's most costly clinical disorders, such as the dementias, neuropsychiatric conditions, and traumatic brain injury. Improving assessment of such disorders requires an interdisciplinary approach combining cognitive sciences, neuropsychology, and multimodal neuroimaging. Autobiographical memory, or memory for events and facts from one's own life, can be dissociated from memory function as assessed by laboratory-based tests assessing learning and memory for words or pictures. Analysis of autobiographical memory function and dysfunction respects the distinction between episodic autobiographical memory, characterized by perceptual richness and a subjective sense of recollection, from semantic memory, or knowledge of factual information pertaining to oneself or the world. Using novel behavioral measures and neuroimaging methods, I will describe how these two types of autobiographical memory are differentially affected by neurological and psychiatric conditions. I will also describe how individual differences in healthy adults' orientation to the past (i.e., through episodic or semantic mnemonic styles), are reflected in measures of brain function and other non-mnemonic behaviors. Novel neuroimaging measures of network function are well suited to characterize the diffuse lesion of traumatic brain injury, an issue that has received elevated public attention in relation to proposed linkages between dementia and remote traumatic brain injury, including sports concussion. Data from a sample of National Hockey League alumni will show how multimodal neuroimaging and comprehensive behavioral assessment can be used to assess age-related brain changes in individuals at elevated risk for neurodegenerative disease. Finally, I will describe application of a theory-based intervention for executive dysfunction, Goal Management Training® towards everyday functional deficits in patients with brain disease.

Dean Delis

Dean Delis is currently a Professor Emeritus of Psychiatry at the University of California San Diego School of Medicine, where he has been on the faculty for the past 29 years. During this time, he also served as the Director of the Psychological Assessment Unit at the VA San Diego Healthcare System, and an Adjunct Professor of Psychology at San Diego State University.

In the 1980s, as a young assistant professor, he was on the inaugural curriculum committee of the newly formed UCSD/SDSU Joint Ph.D. Program in Clinical Psychology, and he played a key role in shaping the Neuropsychology Tract of this now premier Ph.D. program. Since 1987, he and Robert Heaton have co-taught the same course on Advanced Neuropsychological Interpretations to the Ph.D. students in this program, a course they continue to teach to this day. In addition, Dean was the chief architect and one of the primary supervisors of the "VA Neuropsychology Rotation" in the VA/UCSD doctoral internship consortium.

Over the years, he has served as a primary supervisor in neuropsychological assessment for several hundred pre-doctoral and post-doctoral students, many of whom have gone on to become leaders in the field. Dean has always had an active research career, with over 200 published peer-reviewed articles, book chapters, books and tests. He is best known for his lifelong collaboration with his mentor and beloved friend, the late Edith Kaplan, in developing new, process-oriented neuropsychological tests. He has published over 15 neuropsychological tests for children and adults that are used nationally and internationally by clinicians and researchers alike, including the California Verbal Learning Test, the Delis-Kaplan Executive Function System, and the Delis-Rating of Executive Functions. His tests have had a major impact on the field, where they have been used in over a thousand published, peer-reviewed studies to date. Dean's current research is centered on developing a new battery of process-oriented neuropsychological tests that will be administered and scored on tablets such as the iPad.

Dean has been an active member of the International Neuropsychological Society since 1978 and served on several of its early program committees. In addition, he was elected and served on the Governing Board of the American Board of Clinical Neuropsychology from 1998 to 2000. Dean has been the recipient of several awards, including the Edith Kaplan Award for Distinguished Contribution to Neuropsychological Test Development presented in 2005 by the Massachusetts Neuropsychological Society, the Teacher of the Year Award presented in 2010 by the VA/UCSD Psychology Internship Program, and the Distinguished Lifetime Contribution to Neuropsychology Award presented in 2013 by the National Academy of Neuropsychology.

Jason Brandt

Jason Brandt, PhD, ABPP is a gifted neuropsychologist whose contributions have shaped our field as a science and as a profession. Originally from Brooklyn, New York, Jason received his formative undergraduate education at Brooklyn College. He then completed master's and doctoral degrees in experimental and physiological psychology at Boston University. There, he trained with Allan Mirsky at the School of Medicine and Nelson Butters (and a host of other neuropsychology luminaries) at the Boston VA Medical Center.

In 1981, Dr. Brandt joined the faculty of the Johns Hopkins University, where he cultivated productive collaborations with colleagues throughout the university. He has served as Director of the Division of Medical Psychology since 1987, and he has held the rank of Professor in the Department of Psychiatry and Behavioral Sciences for the past 20 years. He is jointly appointed in the Department of Neurology in the School of Medicine and the Department of Mental Health in the Bloomberg School of Public Health. He also serves as Director of the Copper Ridge Institute, a not-for-profit dementia education and research organization.

Dr. Brandt is a prolific researcher whose contributions span a broad range of topics and methods. His research has focused on the neuropsychology of memory and other cognitive disorders as they appear in Alzheimer's disease, Huntington's disease, Parkinson's disease, and other dementia syndromes. He conducted pioneering work on the psychological consequences of genetic testing for HD and helped develop algorithms to predict proximity to disease onset in persons with huntingtin gene mutation. He currently is investigating the cognitive effects of surgical interventions for epilepsy and Parkinson's disease, was well as Internet-based screening for dementia. Dr. Brandt has authored two widely-used neuropsychological tests — the Hopkins Verbal Learning Test and the Telephone Interview for Cognitive Status. He has published over 300 articles and book chapters to date. Much of his research translates directly to improvements in patient care; as a consequence, Dr. Brandt is a much sought-after consultant and clinician.

In 1989, Dr. Brandt organized one of the earliest formal, postdoctoral residency programs in clinical neuropsychology in the Johns Hopkins Department of Psychiatry & Behavioral Sciences. As training director for the past 25 years, he has shaped the professional development of dozens of clinical neuropsychologists, many of whom have emerged as leaders in their own right. Like his own mentor, Nelson Butters, Dr. Brandt is known for his meticulous reasoning, high expectations, and ability to temper incisive criticism with humor. Thus, a quarter century of mentorship must be counted among his distinguished contributions to neuropsychology.

Finally, Dr. Brandt has made seminal contributions to neuropsychology as a profession. Board-certified by the American Board of Clinical Neuropsychology for 25 years, he has served on the governing boards of the International Neuropsychological Society and the American Academy of Clinical Neuropsychology. He was President of the APA's Society for Clinical Neuropsychology from 2001 to 2002 and President of the International Neuropsychological Society from 2004 to 2005. He was a member of the original editorial board of the *Journal of the International Neuropsychological Society (JINS)*. He currently is a senior editor for the *Journal of Alzheimer's Disease* and member of the editorial boards for the *Journal of Clinical and Experimental Neuropsychology*, *Cognitive and Behavioral Neurology*, and *Alzheimer's & Dementia*. In short, from teaching to research to professional service, Dr. Brandt's singular contributions define a distinguished career in neuropsychology.

Denver Program Awards

The Nelson Butters Award for best submission by a postdoctoral fellow

Christopher C. Bosworth, St. Louis Children's Hospital, Pediatric Neuropsychology

69. Factors Associated with Default Mode Network Functional Connectivity in Traumatic Brain Injury

C. C. Bosworth, K. Krishnan, S. Aslan, J. Spence, D. Krawczyk, M. Cullum, C. Marquez de la Plata

Objective: Traumatic brain injury (TBI) is believed to result in alterations in functional connectivity in intrinsically connected networks. One such network is the default mode network (DMN), which displays increased activation in absence of an externally-imposed task and decreased activation during cognitively demanding tasks. Studying factors associated with post-TBI functional connectivity in the DMN may help further elucidate the role of this network, as well as the effects of TBI on functional connectivity in general.

Participants and Methods: Participants (n=63) sustained a mild-to-moderate TBI at least six-months prior to participating in the study. Each participant completed a cognitive assessment battery consisting of measures of executive functions, language, nonverbal reasoning, memory, mood symptoms, functional status, and estimates of intelligence. Participants were scanned using resting-state fMRI and structural imaging. DMN resting-state functional connectivity was assessed using an accepted seed-based methodology. A stepwise multiple linear regression analysis was used to develop a predictive model for post-TBI DMN functional connectivity. Factors entered into the model included the aforementioned cognitive testing data, demographic and injury factors, functional outcomes, brain volumetrics, and depressive symptoms.

Results: A statistically significant model consisting of age at assessment, global white matter volume, ventricular cerebrospinal fluid volume, post-TBI functional status, and performance on specific measures of attention, immediate verbal memory, verbal reasoning, and cognitive flexibility accounted for 38% of the functional connectivity variance within the DMN.

Conclusions: These results indicate that DMN post-TBI resting-state functional connectivity is related to several different categories of factors. Though causality cannot be inferred, the same factors that impact functional connectivity may also have an effect on cognition, volumetrics, and functional status.

Poster Session 1: ABI-Adult & Emotional Processes
Wednesday, February 4, 6:00 PM–7:30 PM

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

Crystal A. Baker, University of Northern Colorado

84. Musical Working Memory in Musicians and Non-musicians within Baddeley's Multicomponent Working Memory Model

C. A. Baker, M. Welsh, E. Peterson, J. Kole

Objective: The current study examined in musicians and non-musicians the possibility of a subsidiary tonal system, in addition to the phonological loop and visuospatial sketchpad, for processing musical information within Baddeley's multicomponent working memory model.

Participants and Methods: Three primary working memory tasks (tonal, verbal, and visual-spatial), requiring participants to make a same/different judgment between two sequences, were each paired with four secondary suppression tasks (tonal, verbal, visual-spatial, and no suppression) in a dual-task paradigm. All 12 conditions were administered to 58 college students (27 musicians; 31 non-musicians). Reaction time and accuracy were examined in terms of the relative impact of the different types of suppression and musical experience.

Results: Visual-spatial suppression negatively impacted visual-spatial working memory and tonal suppression negatively affected tonal working memory compared to the other suppression conditions. Although tonal suppression interfered more with tonal working memory than verbal suppression, there was no differential impact of tonal and verbal suppression on verbal working memory. There were no differences between musicians and non-musicians on primary task by secondary task interactions.

Conclusions: A crossed double dissociation was demonstrated for visual-spatial working memory with both tonal and verbal working memory, and a single dissociation was demonstrated for tonal and verbal working memory, with evidence for a tonal loop on the tonal working memory task but not on the verbal working memory task. These mixed results regarding the existence of a tonal loop are interpreted within the multicomponent working memory model and current research involving the extent to which verbal and tonal working memory share resources.

Poster Session 10: ADHD/Attention, Cancer, Language/Aphasia, Learning Disabilities/Academic, & Memory
Saturday, February 7, 12:30 PM–2:00 PM

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

Taylor Kuhn, University of Florida

64. Altered White Matter Connectivity in Adjacent Medial Temporal Circuits in Temporal Lobe Epilepsy

T. Kuhn, J. Gullett, A. Boutzoukas, A. Ford, P. Carney, D. FitzGerald, R. M. Bauer

Objective : Evidence for structural connectivity patterns within the medial temporal lobe derives primarily from post-mortem histological studies. In humans, the parahippocampal gyrus (PHg) is subdivided into parahippocampal (PHc) and perirhinal (PRc) cortices which receive input from distinct cortical networks and send distinct efferent projections to the entorhinal cortex (ERc). The PHc projects primarily to the medial ERc (M-ERc). The PRc projects primarily to the lateral portion of the ERc (L-ERc). Both M-ERc and L-ERc, via the perforant pathway, project to the dentate gyrus and hippocampal (HC) subfields. Until the recent advent of novel imaging techniques, these neural circuits could not be visualized in vivo.

Participants and Methods: Diffusion tensor imaging algorithms have been developed to segment grey matter structures based on probabilistic connectivity patterns. In this study, this segmentation procedure was used to classify ERc grey matter based on PRc, PHc, and HC connectivity patterns in 7 patients with temporal lobe epilepsy (TLE) without hippocampal sclerosis (mean age, 14.86 + 3.34) and 7 healthy controls (mean age, 23.86 + 2.97).

Results: There was no significant between-group difference in surface area or volume of ERc connectivity-defined regions (CDR). In line with histology results, ERc CDR in the control group were well organized, uniform and segregated via PRc, PHc, and HC connections. In TLE, reduced spatial organization of ERc CDR was found. There was no clear delineation between M-ERc and L-ERc connectivity with PRc, PHc or HC in TLE.

Conclusions: Using current neuroimaging acquisition and analysis tools, adjacent temporal lobe circuits were successfully visualized in vivo. In the healthy group, segmentation revealed medial temporal connectivity patterns in agreement with extant histology literature. Conversely, the results suggest a breakdown of the spatial organization of PHg – ERc – HC connectivity in TLE. .

Poster Session 5: Imaging (Structural & Functional) & Psychopathology/ Neuropsychiatry
Friday, February 6, 10:15 AM–11:45 AM

SLC Student Awards

The INS Student Liaison Committee, in conjunction with the INS Program and Awards Committees, recognizes the following five students as recipients of the **SLC Student Research Award**.

Nicholas T. Bott
Graduate Student
University of California San Francisco, Neurology

6. *Altered Sense of Humor Comprehension in Neurodegenerative Disease: Neuroanatomical Correlates*

N. T. Bott, A. Radke, T. Shany-Ur, P. Poorzand, B. Adhimoolam, B. Miller, K. P. Rankin

Friday February 6
10:15 AM–11:45 AM

Paper Session 4: Alzheimer's Disease, (Moderator: Munro Cullum)
Centennial A

Sanam Jivani
Graduate Student
Brigham Young University, Clinical Psychology

2. *Effects of Injury Severity on Default Mode Network Volume in Pediatric Traumatic Brain Injury and the Relationship to Attention*

S. Jivani, T. J. Farrer, E. D. Bigler, T. J. Abildskov, M. Dennis, H. G. Taylor, K. Rubin, K. Vannatta, C. Gerhardt, T. Stancin, K. O. Yeates

Friday February 6
3:15 PM–4:45 PM

Paper Session 6: TBI - Functional Imaging (Moderator: Michael Larson)
Centennial A

Kelly OMalley
Graduate Student
University of Colorado Colorado Springs, Psychology

60. *Impact of Demographic Variables on the Brief Visuospatial Memory Test-Revised*

K. OMalley, C. Tyrrell, B. E. Gavett

Saturday February 7
10:45 AM–12:15 PM

Poster Session 9: Assessment-Adult, Cognitive Intervention/Rehab, & Visuospatial/Neglect
Centennial Ballroom Foyer

Ryan J. Piers
Graduate Student
Framingham Heart Study, Neurology

59. *Clock Drawing in a Healthy Community Sample: A Principal Component Analysis*

R. J. Piers, K. N. Devlin, R. Swenson, B. Wasserman, L. R. Silva, Y. Liu, S. Seshadri, P. A. Wolf, M. Lamar, R. Au, D. J. Libon

Saturday February 7
10:45 AM–12:15 PM

Poster Session 9: Assessment-Adult, Cognitive Intervention/Rehab, & Visuospatial/Neglect
Centennial Ballroom Foyer

Johanna E. Rosenqvist
Graduate Student
University of Helsinki, Institute of Behavioural Sciences

2. *Neurocognitive Development in 3- to 11-Year-Old Children: An International Comparison*

J. E. Rosenqvist, P. Lahti-Nuuttila, C. Urgesi, J. Holdnack, S. Kemp, M. Laasonen

Thursday February 5
10:15 AM–11:45 AM

Paper Session 2: Pediatric Neuropsychology & Neuroimaging, (Moderator: Dalin Pulsipher)
Centennial F

5th INS/ASSBI Pacific Rim Conference

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REGISTRATION is now open, early bird closes on 24th May 2015 and registrations close on 25th June 2015. To receive information including an invitation to register email admin@assbi.com.au
Information: www.assbi.com.au or www.the-ins.org

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Ancillary Meetings

INS is pleased to host ancillary meetings, organized by individuals and professional groups who are attending the 43rd 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.

The following schedule of ancillary meetings is provided for the convenience of our attendees and may not be complete. Additional meetings and changes may be posted on the message boards located near the INS Registration Desk in the Mineral Foyer on Level Three.

Event Name	Organization	Date	Time	Location
APPCN Postdoc Interview Welcome Breakfast	Association of Postdoctoral Programs in Clinical Neuropsychology (APPCN)	Tues Feb 3	7:00am-8:30am	Mineral C
APPCN Board of Directors Meeting	Association of Postdoctoral Programs in Clinical Neuropsychology (APPCN)	Tues Feb 3	5:00pm-7:00pm	Mineral D
SCN (Div 40) Executive Committee Meeting	Society for Clinical Neuropsychology (SCN), Division 40 of APA	Wed Feb 4	7:30am-11:30am	Mineral A
NNTC Neuropsychology Subcommittee Meeting	University of California San Diego, National NeuroAIDS Tissue Consortium (NNTC)	Wed Feb 4	8:30am-5:00pm	Mineral E
INS Past Presidents Luncheon	International Neuropsychological Society	Wed Feb 4	12:00pm-2:00pm	Mineral C
AACN Board of Directors Meeting	American Academy of Clinical Neuropsychology (AACN)	Wed Feb 4	1:00pm-5:00pm	Mineral A
ABCN Board of Directors Meeting	American Board of Clinical Neuropsychology (ABCN)	Wed Feb 4	2:00pm-6:00pm	Mineral D
Consortium for Epidemiological Neuropsychological Data Analysis (CENDA)	Consortium for Epidemiological Neuropsychological Data Analysis (CENDA)	Wed Feb 4	2:00pm-4:30pm	Mineral B
University of Michigan Alumni Reception	University of Michigan	Wed Feb 4	8:00pm-10:00pm	Mineral F
Kennedy Krieger Reunion with Karaoke	Kennedy Krieger Institute	Wed Feb 4	8:30pm-11:30pm	Mineral C
APPCN General Membership Meeting	Association of Postdoctoral Programs in Clinical Neuropsychology (APPCN)	Thu Feb 5	8:00am-9:00am	Mineral A
SCN (Div 40) Scientific Advisory Committee Meeting	Society for Clinical Neuropsychology (SCN), Division 40 of APA	Thu Feb 5	5:00pm-6:00pm	Mineral D
JINS Reception	Journal of the International Neuropsychological Society (JINS)	Thu Feb 5	6:00pm-8:00pm	Mineral B
Clinical Neuropsychology Synarchy Meeting	Clinical Neuropsychology Synarchy	Thu Feb 5	6:00pm-8:00pm	Mineral C
Brown University Alumni Reception	Brown University	Thu Feb 5	6:30pm-8:00pm	Mineral F
APPCN General Membership Meeting	Association of Postdoctoral Programs in Clinical Neuropsychology (APPCN)	Thu Feb 5	8:00am-9:00am	Mineral A
BCM/TCH Fellowship Coffee Hour	Baylor College of Medicine / Texas Children's Hospital	Fri Feb 6	8:00am-9:30am	Mineral C
SCN (Div 40) Education Advisory Committee Meeting	Society for Clinical Neuropsychology (SCN), Division 40 of APA	Fri Feb 6	10:00am-11:30am	Mineral D
AITCN Executive Meeting	Association for Internship Training in Clinical Neuropsychology (AITCN)	Fri Feb 6	10:00am-11:30am	Mineral E
Hispanic Neuropsychological Society Mentorship and Networking Social Hour	Hispanic Neuropsychological Society	Fri Feb 6	2:00pm-3:00pm	Mineral C
SCN (Div 40) Program Committee Meeting	Society for Clinical Neuropsychology (SCN), Division 40 of APA	Fri Feb 6	4:00pm-5:00pm	Mineral D
WIN Social Hour: Pursuing the Work/Life Balance	Women in Neuropsychology (WIN), Subcommittee of APA Division 40	Fri Feb 6	4:30pm-5:30pm	Mineral B
Special Reception in Honor of Maureen Dennis	Host: Jack M. Fletcher	Fri Feb 6	8:30pm-9:30pm	Mineral B

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Continuing Education Program

The International Neuropsychological Society's 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.

Continuing Education (CE) options listed below are not included in the General Registration Fee. You must register and pay additional fee(s) in order to attend CE workshops or to receive CE credit for attending plenary sessions.

Your name badge is required for admittance to the CE program and will contain the number of the CE sessions for which you registered.

CE Workshops

All 1.5 and 3-hour CE workshops require advance registration and an additional fee in order to attend.

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

Plenary Sessions

All plenary sessions are offered for one hour of continuing education (CE) credit. **A separate registration and fee must be completed**—either before or following completion of the plenary session—**and all CE requirements must be met in order for credit(s) to be granted.**

Please Note: In order to receive continuing education credit(s) for participation in Plenary Sessions, either now or at a later time, attendees must obtain a CE attendance slip from the volunteer upon their entry to the session and must submit the completed slip to the volunteer upon their exit. **No credits will be granted without submission of completed attendance slips.**

APA Continuing Education Credit

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.

ASHA Continuing Education Units

This course is offered for up to 1.75 ASHA CEUs (Advanced Level, Professional area).

APPROVED PROVIDER
ASHA CONTINUING EDUCATION
AMERICAN SPEECH-LANGUAGE-HEARING ASSOCIATION

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 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.

How to Obtain CE Credits

Continuing Education Letters of Attendance for Psychologists (APA Approved)

Evaluation forms and Certificates of Attendance for CE courses will be available online on the INS website, www.the-ins.org, approximately 24 hours after sessions have concluded.

IMPORTANT: In order for Continuing Education credits to be issued to any attendee, APA requires documentation of attendance for the full duration of the session and completion of an evaluation form:

Attendance slips will be passed out at the door of all CE Workshops and Plenary Sessions being offered for CE credit. You must complete the attendance slip and give it to the proctor as you leave the session. **Without this proof of attendance you will not be able to receive credit.**

- Upon entrance to the session, collect an attendance slip from the proctor at the door.
- Promptly complete the attendance slip and turn it in to the proctor as you exit the session.
- **You must attend the entire session to be eligible for credit from APA or ASHA**.

Continuing Education Units for Speech-Language Pathologists (ASHA approved)

Speech-language pathologists must complete a separate ASHA CEU Participant Form, available upon request from the INS Registration Desk. Please track each course on the same form and submit it to the INS Desk at the conclusion of the Annual Meeting. Credits for courses will be awarded by ASHA.

Questions may be directed to the ASHA CEU Administrator, Cynthia Ochipa, at Cynthia.Ochipa@med.va.gov.

To complete the Online CE Evaluation:

Evaluation forms and Certificates of Attendance will be available online via the INS website at **www.the-ins.org**. Simply follow the link on the home page to obtain CE credit from the 2015 Annual Meeting.

Raul Gonzalez
CE Committee Chair

Wednesday, February 4

February 4, 9:00am-12:00pm

CE 1: Persistent Neuropsychiatric Symptoms after Concussion: Evaluation, Effort, and Ethics*

Centennial G-H

Jonathan M. Silver, MD
Clinical Professor of Psychiatry
NYU School of Medicine
Fellow, American Neuropsychiatric Association
Diplomate, Behavioral Neurology & Neuropsychiatry

Abstract

Approximately 1.5 million Americans experience traumatic brain injury each year, the vast majority of which are mild. In the moments following a TBI, postconcussive symptoms are nearly universal. These include alterations of consciousness, disturbances of attention, slow processing speed, impaired declarative memory, and executive dysfunction, and frequently are accompanied by emotional and behavioral disturbances as well as sensory and motor problems. Over the days to weeks after mild TBI, recovery usually proceeds rapidly and typically is complete. When early symptoms are unrecognized, misunderstood, and/or inadequately addressed, early postconcussive symptoms may become chronic and engender secondary psychological health and psychosocial consequences. Pre-injury health and psychosocial factors also influence the short- and long-term effects of TBI. Understanding and improving outcomes after TBI therefore requires consideration not only of the effects of external physical forces on the brain but also the person sustaining that injury and the events preceding and following it. Ethical issues exist regarding the professionals participation in the legal and independent evaluations, as well as decisions as to return to sports and work. This session will provide participants with new and emerging perspectives on mild TBI. A heuristic with which to understand the influences of pre-injury, injury-related, and post-injury factors on postconcussive symptoms will be presented.

February 4, 9:00am-12:00pm

CE 2: Genes, Brain, and Behavior in Neurodevelopmental Disorders: Science and Practice*

Centennial B-C

Bruce F. Pennington, PhD
John Evans Professor, University of Denver
Department of Psychology

Abstract

Only a few decades ago, disorders like dyslexia, ADHD, and autism were poorly understood and the target for considerable unscientific speculation and questionable treatment approaches. Now we have an emerging neuroscience of atypical development, but paradoxically, controversial therapies for these disorders are as prevalent as ever, and many children with these disorders are not receiving the help they deserve. Closing this gap between science and practice is an important goal for scientists, clinicians, educators, and policy makers to pursue. In this workshop, I will provide a multi-level update of the science of these disorders, that includes etiology (genes and environment), brain mechanisms, cognition, and symptoms. I will then review how this new science informs best practices for diagnosing and treating these disorders.

February 4, 9:00am-12:00pm

CE 3: Neurocognitive Networking: Modern Neuroimaging Methods for Understanding Neurocognition*

Centennial A

Angela R. Laird, PhD
Associate Professor
Department of Physics
Florida International University

Jennifer Robinson, PhD
Assistant Professor
Department of Psychology
Auburn University

Abstract

Recent advances in functional neuroimaging have emphasized the benefits of a network approach to better elucidate cognitive operations in the brain. This course will provide a foundation for understanding functional brain connectivity methodologies. First, standard and advanced techniques for investigating neurocognitive networks in functional magnetic resonance imaging (fMRI) time series data (e.g., seed-based correlation, independent component analysis, graph theory) will be reviewed. Second, new developments and applications will be discussed and demonstrated for employing neuroimaging meta-analysis methods to (a) interrogate task-based and task-free functional networks, (b) examine clinically-relevant disease states, and (c) identify regions of interest as a basis for model building. Third, in the rising era of "big data", many databases and neuroinformatics resources have evolved to meet the needs of cognitive neuroscientists; these sources of data and their availability to researchers will be reviewed.

February 4, 1:00pm-4:00pm

CE 4: Impact of Marijuana on the Developing Brain*

Centennial A

Deborah Yurgelun-Todd, PhD
USTAR Professor of Psychiatry,
Department of Psychiatry, University of Utah School of Medicine
Director, Cognitive Neuroimaging Lab, University of Utah
Director, Salt Lake City MIRECC, VSN 19

Abstract

Marijuana (MJ) is the most commonly used illicit drug by adolescents in the US. Research suggests that the integrity of the prefrontal cortex may be particularly salient for understanding both the risk for onset of MJ abuse and the transition into chronic use. Specifically, the frontal system has been shown to play a major role in self-regulation, inhibitory function, decision-making and initiation of behavioral responses. Observed deficits in frontally mediated executive functions in MJ users have raised the debate as to whether alterations in these frontal brain circuits are due to neurodevelopmental changes or the neurotoxic effects of cannabis exposure. This course will review the development of frontal circuits and their relationship to psychiatric disorders. Second, it will summarize recent findings on the effects of MJ in adolescents. Third, the course will present basics of magnetic resonance methods including MR spectroscopy often applied to study the effects of MJ.

February 4, 1:00pm-4:00pm

CE 5: The Neuropsychiatry of Multiple Sclerosis*

Centennial B-C

Anthony Feinstein, MPhil, PhD, FRCPC
Professor, Department of Psychiatry
University of Toronto

Abstract

Neuropsychiatric difficulties in multiple sclerosis may be divided into two broad categories, namely disorders of mood and affect on the one hand and cognitive dysfunction, on the other. The first category is dominated by depression which may affect up to 50% of MS patients over the course of their lifetime. Recent MRI data suggest a link between depression and atrophy and lesions affecting medial frontal and temporal brain regions. MRI findings can, however, account for little more than 40% of the depression variance suggesting a prominent role for psychosocial factors in the pathogenesis of depression. Depression exerts negative effects on quality of life and cognition and is also associated with an increased suicide rate in MS patients. For that reason, not missing the diagnosis and providing effective treatment are essential. A Cochrane Review suggests that cognitive behavior therapy is the treatment of choice. Pseudobulbar affect may affect up to 10% of MS patients. MRI data can account for 75-80% of the PBA variance. The syndrome responds well to a number of medications, including the tricyclic and SSRI antidepressants. Bipolar Affective Disorder is twice as common in MS patients as the general population. Euphoria is present in 9-13% of MS subjects. There are no treatment trials for either of these two syndromes. Impaired cognition is present in 40-70% of MS patients, depending on disease course. The hallmark deficits are slowed information processing speed, impaired memory and executive dysfunction. Structural and functional brain MRI studies have revealed a robust correlation between cognitive deficits and the imaging data. Cognitive reserve, as in other neuropsychiatric disorders and the aging literature, is considered protective. Pharmacotherapy is not effective in treating cognitive dysfunction, but cognitive rehabilitation is going through a renaissance and may offer enduring benefits to a subgroup of patients. Preliminary evidence suggests that smoking cannabis, which might relieve pain and spasticity in some MS patients, may be associated with a further deterioration in cognitive function.

CE Session Legend:

- * **CE Registration & Fee Required.** ***3.0 CE / .3 CEU credits***
- † **CE Registration & Fee Required. Includes continental breakfast 7-7:15AM (begins promptly at 7:20am).** ***1.5 CE / .15 CEU credits***
- ‡ **Open to All Attendees. CE available for an additional fee (registration required).** ***1.0 CE / .1 CEU credits***

Wednesday, February 4

February 4, 1:00pm-4:00pm

CE 6: Primary and Treatment Related Comorbidities in Pediatric and Adult Epilepsies: Revising our Understanding of the Relationships*

Centennial G-H

Bruce P. Hermann, PhD
Professor and Director, Matthews Neuropsychology Section, Department of Neurology
University of Wisconsin School of Medicine and Public Health

David W. Loring, PhD
Professor of Neurology and Pediatrics
Emory University

Madison Berl, PhD
Associate Professor, Depts of Psychiatry and Behavioral Sciences, George Washington University School of Medicine and Children's National Health System

Abstract

Epilepsy is the fourth most common neurological disorder affecting people throughout the lifespan with epidemiological peaks in childhood and older adulthood. In addition to the underlying disease substrate giving rise to seizures, the epilepsies can be complicated by diverse cognitive, behavioral, and social comorbidities that diminish quality of life and lifespan achievement. Recent major advances include a revised classification of seizures and epilepsy syndromes, improved understanding of the epidemiology of the comorbidities including their timing and course, improved interventions including epilepsy surgery, and an enhanced understanding of the diverse influences of the epilepsies and their treatment on normal neurodevelopmental and aging processes. This workshop will present an integrated overview of the epilepsies, its treatment, and problematic neurobehavioral comorbidities and their underlying neurobiological substrate in children, adolescents and adults.

February 4, 4:30-5:30pm

Plenary A: Looking Behind the Smokescreen: Cannabis, Cognition and Multiple Sclerosis‡

Centennial Ballroom (D-E)

Anthony Feinstein, MPhil, PhD, FRCPC
Professor, Department of Psychiatry
University of Toronto

Abstract

Multiple sclerosis may impair cognition in 40-70% of patients depending on the disease course. The deficits are typically those of information processing speed, working memory and executive function. An estimated 14-18% of MS patients smoke or ingest cannabis for help with pain, spasticity and insomnia. Given concerns that cannabis may impair cognition in healthy subjects the use in patients with MS begs the question of whether it may further compromise cognition. There are a paucity of data that address this, but findings from three studies will be presented suggesting that regular cannabis smoking is associated with greater cognitive impairment in MS patients. fMRI and structural MRI data from one these studies that underpin the cognitive findings will also be presented. As with any medication, it is important for those who use it or prescribe it that the benefits and risks be weighed. This is starting to take place with cannabis and MS but more data are needed to inform the discussion.

Thursday, February 5

February 5, 7:20-8:50am

CE 7: Pediatric Mild TBI: Who Gets Better, Who Doesn't, and What's Neuropsychology Got To Do With It†

Centennial G-H

Michael Kirkwood, PhD
Associate Clinical Professor
Department of Physical Medicine & Rehabilitation
Children's Hospital Colorado & University of Colorado

Abstract

In recent years, few other medical conditions have received as much scientific or popular attention as concussion or mild TBI. Even so, pediatric mild TBI remains a frequent source of misunderstanding, confusion, and controversy. Methodologically rigorous studies indicate that most school-aged children recover quickly and well. This workshop will focus on the minority who display more persistent problems and the role of neuropsychology in understanding and clinically managing these children. The goals are to summarize the background science most relevant to the natural clinical history of pediatric mild TBI, as well as the known risk factors for persistent problems, and to provide an empirically-backed rationale for why neuropsychology should play a crucial role in clinical management in these cases.

February 5, 7:20-8:50am

CE 8: Cognitive Reserve, From Theory to Intervention†

Centennial B-C

Yaakov Stern, PhD

Director, Cognitive Neuroscience Division, Department of Neurology

Professor of Neuropsychology in Neurology, Psychiatry, Taub Institute and Sergievsky Center

Columbia University College of Physicians and Surgeons

Abstract

The concept of reserve has been put forward to account for individual differences in susceptibility to age-related brain changes and pathologic changes such as those that occur in Alzheimer's disease. The concept of cognitive reserve suggests that the brain actively attempts to cope with brain damage by using pre-existing cognitive processing approaches or by enlisting compensatory approaches. Although much work has been done applying the concept of reserve to aging and dementia, it has also been applied to many other conditions. This course address the theory underlying the concept of reserve; epidemiologic evidence; the neural substrate of reserve; clinical implications; and interventions.

February 5, 9:00-10:00am

Plenary B: Connectomics and Cognition: A Tale of Many Regions‡

Centennial Ballroom (D-E)

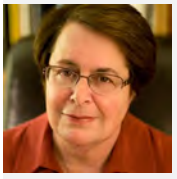
Deanna M. Barch, PhD

Gregory B. Couch Professor of Psychiatry
Department of Psychology, Psychiatry, and Radiology
Washington University
Editor-in-Chief, *Cognitive, Affective and Behavioral Neuroscience*
Director, Conte Center for the Neuroscience of Mental Illness

Abstract

A growing body of research clearly indicates that both functional and structural connectivity within and between core brain systems is a critical determinant of cognitive function in both health and disease. This talk will first overview the current state of the art in terms of tools and methods for assessing human brain connectivity. Second, this talk will illustrate the current state of our knowledge of core human brain networks as derived from either or both structural or functional connectivity methods. Third, the talk will illustrate the ways in which variation in brain connectivity relates to variation in specific cognitive functions in healthy individuals, as well as how impairments in functional brain connectivity relate to impaired cognitive function associated with either or both neurological and psychiatric disorders.

February 5, 12:00-1:00pm



Plenary C: Optimal Outcome in Autism Spectrum Disorders (The Birch Memorial Lecture)‡

Centennial Ballroom (D-E)

Deborah A. Fein, PhD

Board of Trustees Distinguished Professor
Departments of Psychology and Pediatrics
University of Connecticut

Abstract

A serious obstacle for progress in autism research, as with other psychiatric and neurodevelopmental disorders, is the existence of significant heterogeneity at all levels of analysis (genes, cells, behavior, etc.) and in all domains of functioning. Some theorists have even questioned the utility of the construct of autism itself. In addition, findings at different levels of analysis have not been found to correlate in any straightforward way. I will review some approaches to this variability, including that of the DSM-5. One domain of extreme heterogeneity is outcome: although varied outcome has been noted for many years, normalization of social communication and repetitive behaviors with loss of diagnosis has not generally been thought possible. I will report on a group of individuals who have reached this optimal outcome, and present data on cognitive functioning, psychiatric comorbidity, early development and intervention, and neuroimaging. Possible paths to this outcome, and implications for the heterogeneity problem, will be discussed.

February 5, 5:00-6:00pm

Plenary D: Tales from Both Sides of the Brain‡

Centennial Ballroom (D-E)

Michael S. Gazzaniga, PhD

Director, Sage Center for the Study of Mind
University of California, Santa Barbara

Abstract

My fifty-year exploration of split-brain patients has revealed secrets of human brain organization that remain challenging to our understanding of mind and brain. In this account both the major scientific milestones and many people involved in the lifelong project will be portrayed. The importance of this dwindling split-brain patient population will be discussed in the context of current neuroscience endeavors. Overall the scientific life is full of sociality, hard work and just plain fun. Taking the long view, it is easy to see how we are influenced by others and how we do the same to them. Indeed, a life in science is a social process.

Friday, February 6

February 6, 7:20-8:50am

CE 9: Sleep: A Silent Contributor to Cognitive Problems†

Centennial G-H

Mark S. Aloia, PhD
Sr. Director, Global Clinical Research, Philips/Respironics
Associate Professor, National Jewish Health

Abstract

Sleep is something experienced everyday by all of us. If perturbed, sleep can affect cognitive function in predictable ways. Sleep can also herald the onset of certain cognitive disorders, making knowledge of sleep and its effects on cognition important to any clinician. An exhaustive review of sleep and its related disorders that affect both adults and children would take at least a full day to review. We will, in this shorter period, review some of the highlights from the recent literature including the effects of sleep deprivation, sleep apnea, and occult sleep disorders on cognitive functioning. Neuropsychological test results and neuroimaging will be included.

February 6, 7:20-8:50am

CE 10: Learning from Your Mistakes? Errorless Learning in Amnesia and Dementia†

Centennial B-C

Roy Kessels, PhD
Professor of Neuropsychology, Radboud University Nijmegen; and Clinical neuropsychologist at the Department of Medical Psychology, Radboud University Medical Center and Vincent van Gogh Institute of Psychiatry, Venray, the Netherlands

Abstract

Patients with an amnesic syndrome or dementia have profound deficits in explicit anterograde memory, while implicit learning is relatively spared. In clinical practice though, it is complicated to assess implicit learning capacity and to apply it in setting up interventions aimed at the acquisition of new information or skills. Errorless learning is a concept that optimizes residual learning capacity in amnesic patients by reducing errors or interference during learning. This approach may increase the patients' independence and reduce their care burden. This workshop will introduce the fundamentals of this approach first. Second, studies that have applied errorless learning in amnesia or dementia will be discussed. Third, I will describe how the principle of errorless learning can be applied in clinical practice, providing examples from daily practice and advice on implementation, including sample scripts and step-by-step instructions based on a recently developed practical manual. The workshop is targeted at (clinical) neuropsychologists working with amnesia/dementia patients or those who supervise formal caregivers in e.g. memory clinics, general hospitals, psychiatric hospitals or rehabilitation centers.

February 6, 9:00-10:00am

Plenary E: Lifetime Trajectories of Cognition —from Birth Cohorts to Aging Studies‡

Centennial Ballroom (D-E)

Laura Hokkanen, PhD
Institute of Behavioural Sciences, University of Helsinki
Division of Cognitive and Neuropsychology
Helsinki, Finland

Abstract

Cognitive performance fluctuates during the life span as a result of aging and neurological damage. Individual responses vary, however, and the concept of cognitive reserve may explain the gap between symptoms and pathology in many brain disorders. Educational attainment is often used as a proxy, but can be affected by developmental learning disorders. This talk invites the question: what is the impact of abnormal cognitive development on cognitive reserve and aging?

Longitudinal research on cognitive markers of brain illness offers one perspective. Studies on factors influencing adult intelligence include epidemiological, prospective population-based and retrospective registry-based approaches. Clinically relevant information on abnormal development comes from birth cohorts with perinatal risks, such as prematurity, low birth weight, and neonatal encephalopathy. Longitudinal studies on developmental conditions, such as ADHD, examine the persistence of cognitive impairment, but have seldom been extended into adulthood. Furthermore, longitudinal aging studies typically begin after midlife, but can combine prospective and retrospective data to assess the impact of variables in early adulthood on the onset of aging disease decades later. This talk will present important insights from our prospective longitudinal birth risk study, now middle-aged, and how their illnesses will be studied into old age.

February 6, 12:00-1:00pm

Plenary F: Disconnection in the Connectome Era‡

Centennial Ballroom (D-E)

Marco Catani, MD
Clinical Senior Lecturer & Hon Consultant Psychiatrist, NATBRAINLAB
Department of Forensic and Neurodevelopmental Sciences, Institute of Psychiatry PO50
King's College London

Abstract

In a brain composed of specialized but connected areas, disconnection leads to dysfunction. This simple formulation not only underlay a range of classical neurological manifestations, referred to collectively as disconnection syndromes, but it has also recently been adopted to explain almost the entire spectrum of higher cognitive disorders in neurology and psychiatry. This paper will first trace the development of certain anatomical and physiological concepts at the origins of modern definitions of disconnection. Second, current developments of brain imaging methods will be discussed focusing on their application to the healthy and pathological brain. In particular modern tractography approaches based on diffusion imaging will be examined in detail with examples taken from disorders of language, visuospatial attention and praxis.

February 6, 5:00-6:00pm

Plenary G: Networks, Neural Connectivity and Neuropsychology (INS Presidential Address)‡

Centennial Ballroom (D-E)

Erin D. Bigler, PhD
Professor of Psychology
and Neuroscience
Brigham Young University

Abstract

For most of the 20th Century, neuropsychology could only infer what the potential underlying pathology may be in any given disorder, until post-mortem studies were performed. For 21st Century neuropsychology, the field has a myriad of in vivo neuroimaging methods that not only identify a variety of pathological conditions but also permit the study of brain morphology and connectivity in healthy, typically developing individuals. In this digital era, how neuropsychology utilizes available neuroimaging techniques may define the future of the field. This lecture will review a variety of magnetic resonance imaging (MRI) methods including structural imaging combined with diffusion tensor imaging (DTI), resting state functional connectivity mapping (rs-fcMRI) and functional MRI and their utility in neuropsychological investigations. How to integrate these methods with neuropsychological assessment in the study of neural networks in the living individual with age-typical development, or some neurodevelopmental, neurological and/or neuropsychiatric disorder will be reviewed. A systems-level approach to neural connectivity and functional neural networks provides a much improved perspective for using neuroimaging findings in the neuropsychological examination of cognition and behavior. Examples from studies of traumatic brain injury and autism will be presented demonstrating the utility of this approach.

Saturday, February 7

February 7, 7:20-8:50am

CE 11: How Neurons Enable Language and Cognition†

Centennial G-H

Stephen E. Nadeau, MD
Associate Chief of Staff for Research
Medical Director, Brain Rehabilitation Research Center
Malcom Randall VA Medical Center
Professor of Neurology
University of Florida College of Medicine

Abstract

One of our foremost challenges in understanding cognition is to relate it to the function of neural tissue: neurons, cortical micro-columns, synapses, and electrochemical physiology. Key to meeting this challenge is the recognition that neural representations corresponding to cognitive entities are population encoded: they reflect the pattern of activity of millions of neurons firing simultaneously. Parallel distributed processing (PDP) research (the science of population encoding) has been extensively validated empirically in studies of both normal and damaged brains and it has informed us of the constraints that the neurobiology of neural networks places upon cognitive function and its breakdown. In this seminar, language, the single cognitive function about which we know the most, is considered from a PDP perspective, supplemented by knowledge of neuroanatomy, neural systems, neurophysiology, and data from the fields of cognitive psychology, cognitive neuropsychology, psycholinguistics, and multilingual aphasia studies. The neural basis for phonology, noun and verb semantics, lexical semantics, grammatic morphology, phrase structure rules, and syntax are reviewed from this perspective.

February 7, 7:20-8:50am

CE 12: Neurobiology of Socioemotional Behavior in Health and Neurologic Disease†

Centennial B-C

Katherine P. Rankin, PhD
Professor in Residence
Department of Neurology
University of California San Francisco

Abstract

Technological innovation during the past decade has enabled significant advances in social cognitive neuroscience. Our understanding of the neural circuits underpinning socioemotional behaviors such as empathy, self-awareness, warmth, and reading others' intentions is more precise than ever before. Faculty will provide an overview of how specific neural networks normally function to support social behavior, and will show how this new information can improve our ability to understand the kinds of neurologically based behavioral dysfunction that result from disease and injury. Disturbances of socioemotional behavior in clinical neuropsychology will be discussed using data from patients with diseases that particularly impair social functions, such as frontotemporal dementia, autism, ADHD, sociopathy, and Williams syndrome. Specific neuropsychological tests and questionnaires that effectively measure these socioemotional factors will be reviewed, along with their correlation with brain structure and function.

CE Program Disclosure Information

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.

Program Planners

Raul Gonzalez, Director of Continuing Education, International Neuropsychological Society

Relevant financial relationship(s): Professor Gonzalez receives honoraria and expenses from the International Neuropsychological Society for service on an advisory committee. He also receives research funding from the National Institutes of Health (NIH).

Relevant non-financial relationship(s): None.

Derin J. Cobia, Denver Program Committee Chair, International Neuropsychological Society

No relevant financial or nonfinancial relationships exist.

Instructional Personnel (by Date of Presentation)

Wednesday February 4, 2015

9:00 AM–12:00 PM: Persistent Neuropsychiatric Symptoms after Concussion: Evaluation, Effort, and Ethics (Jonathan M. Silver)

Relevant financial relationship(s): Professor Silver receives royalties for editorial contributions from American Psychiatric Publishing and from the NEJM Group. He has received honoraria and speaking fees as a conference speaker. He also receives consulting fees from the National Institute on Disability and Rehabilitation Research for his role as member of an advisory committee or review panel.

Relevant non-financial relationship(s):None.

9:00 AM–12:00 PM: Genes, Brain, and Behavior in Neurodevelopmental Disorders: Science and Practice (Bruce F. Pennington)

No relevant financial or nonfinancial relationships exist.

9:00 AM–12:00 PM: Neurocognitive Networking: Modern Neuroimaging Methods for Understanding Neurocognition (Angela R. Laird, Jennifer Robinson)

Angela R. Laird:

No relevant financial or nonfinancial relationships exist.

Jennifer Robinson:

No relevant financial or nonfinancial relationships exist.

1:00–4:00 PM: Impact of Marijuana on the Developing Brain (Deborah Yurgelun-Todd)

No relevant financial or nonfinancial relationships exist.

1:00–4:00 PM: The Neuropsychiatry of Multiple Sclerosis (Anthony Feinstein)

Relevant financial relationship(s): Professor Feinstein has a financial relationship with Biogen, from whom he receives grant support. He also has received compensation in the form of speaker fees from Teva, Novartis and Serano for teaching and speaking activities.

Relevant non-financial relationship(s): None.

1:00–4:00 PM: Primary and treatment related comorbidities in pediatric and adult epilepsies: revising our understanding of the relationships (Bruce P. Hermann, David W. Loring, and Madison Berl)

Bruce P. Hermann:

Relevant financial relationship(s): Professor Hermann receives salary and grant support from the National Institutes of Health (NIH) for his role as an independent contractor (including contracted research).

Relevant non-financial relationship(s): None.

David W. Loring:

Relevant financial relationship(s): Professor Loring receives salary and grant support from PCORI for his role as an independent contractor (including contracted research).

Relevant non-financial relationship(s): None.

Madison Berl:

Relevant financial relationship(s): Professor Berl receives salary and grant support from NIH/NINDS for her role as an independent contractor (including contracted research).

Relevant non-financial relationship(s): None.

4:30–5:30 PM: Looking Behind the Smokescreen: Cannabis, Cognition and Multiple Sclerosis (Anthony Feinstein)

Relevant financial relationship(s): Professor Feinstein has a financial relationship with Biogen, from whom he receives grant support. He also has received compensation in the form of speaker fees from Teva, Novartis and Serano for teaching and speaking activities.

Relevant non-financial relationship(s): None.

Thursday February 5, 2015

7:20–8:50 AM: Pediatric Mild TBI: Who Gets Better, Who Doesn't, and What's Neuropsychology Got To Do With It (Michael Kirkwood)

Relevant financial relationship(s): Professor Kirkwood receives royalties from Guilford Press as a book editor.

Relevant non-financial relationship(s): None.

7:20–8:50 AM: Cognitive Reserve, From Theory to Intervention (Yaakov Stern)

No relevant financial or nonfinancial relationships exist.

9:00–10:00 AM: Connectomics and Cognition: A Tale of Many Regions (Deanna M. Barch)

Relevant financial relationship(s): Professor Barch has received personal compensation from Pfizer as a consultant.

Relevant non-financial relationship(s): None.

11:30 AM–12:30 PM: INS Birch Lecture— Future of Autism Research (Deanna Barch)

No relevant financial or nonfinancial relationships exist.

4:45–5:45 PM: Tales from Both Sides of the Brain (Michael S. Gazzaniga)

No relevant financial or nonfinancial relationships exist.

Friday February 6, 2015

7:20–8:50 AM: Sleep: A Silent Contributor to Cognitive Problems (Mark S. Aloia)

Relevant financial relationship(s): Professor Aloia receives salary support and possesses intellectual property rights and ownership interest from Philips/Respironics as a paid employee in a management position.

Relevant non-financial relationship(s): None.

7:20–8:50 AM: Learning from your mistakes? Errorless learning in amnesia and dementia (Roy Kessels)

No relevant financial or nonfinancial relationships exist.

9:00–10:00 AM: Lifetime trajectories of cognition – from birth cohorts to aging studies (Laura Hokkanen)

No relevant financial or nonfinancial relationships exist.

11:30 AM–12:30 PM: Disconnection in the Connectome Era (Marco Catani)

Relevant financial relationship(s): Professor Catani receives royalties from Oxford University Press/Elsevier for author contributions.

Relevant non-financial relationship(s): None.

5:00-6:00 PM: INS Presidential Address— Networks, Neural Connectivity and Neuropsychology (Erin D. Bigler)

No relevant financial or nonfinancial relationships exist.

Saturday February 7, 2015

7:20–8:50 AM: How neurons enable language and cognition (Stephen E. Nadeau)

Relevant financial relationship(s): Professor Nadeau receives royalties from MIT Press for his contribution as a book author.

Relevant non-financial relationship(s): None.

7:20–8:50 AM: Neurobiology of Socioemotional Behavior in Health and Neurologic Disease (Katherine P. Rankin)

Relevant financial relationship(s): Professor Rankin receives salary support from the University of California San Francisco as a paid employee.

Relevant non-financial relationship(s): None.

Invited Symposia

Thursday, February 5

Thursday February 5, 1:30-3:00pm

Invited Symposium: Cannabis Effects in Vulnerable Populations

Centennial Ballroom (D-E)

Chair: Deborah Yurgelun-Todd

Deborah Yurgelun-Todd is Professor of Psychiatry at the University of Utah School of Medicine, Associate Director of the VISN 19 Mental Illness Research, Education and Clinical Center (MIRECC), and Director of the Cognitive Neuroimaging Laboratory at the University of Utah Brain Institute. Her research focus is on identifying the neurobiological and neuropsychological bases of major psychiatric disorders including depression, substance abuse, bipolar and schizophrenia as well as brain changes associated with traumatic brain injury (TBI). Dr. Yurgelun-Todd is an expert in the application of structural and functional magnetic resonance imaging techniques as well as the administration and analysis of neurocognitive tests. In recent work, she has applied multimodal imaging to examine the effects of substance abuse, the acute and chronic changes in mild TBI, and as potential trait markers for mood disorders and anxiety. She is also recognized for applying imaging techniques to study cortical changes during development in healthy children and adolescents, and during treatment intervention in adult patients.

Symposium Summary

Despite the widespread use and recent legalization of marijuana (MJ) in some US states, relatively little is known about the effects of cannabis on cognition, brain structure, or function in vulnerable populations. This symposium will examine the neurobiological effects of cannabis use in two vulnerable populations; (1) individuals at risk for psychotic disorders and (2) individuals undergoing adolescent brain maturation. Dr. Nadia Solowij will discuss alterations in neuroimaging results as they relate to attentional control and cannabis use. Specifically, the differential effects of cannabis use in individuals with psychosis compared to individuals with no psychiatric history will be presented. Dr. Deborah Yurgelun-Todd will review functional connectivity data in adolescents with heavy cannabis use indicating that MJ exposure impacts the developmental trajectories of brain circuits involved in cognition and mood

Dr. Susan Tapert will present functional and structural imaging data and neuropsychological measures in adolescents with and without a history of regular cannabis use who have been followed longitudinally. This work indicates that adolescents who use cannabis regularly perform more poorly at all time points and show changes in brain imaging measures compared with adolescents with a limited substance use histories. By examining the neurobiological effects of cannabis use in these vulnerable populations this symposia aims to provide insight into the effects of MJ which may impact future research and policy.

Symposium Abstracts

1. YURGELUN-TODD, D Cannabis Effects in Vulnerable Populations
2. YURGELUN-TODD, D Abberant Orbitofrontal Connectivity in Adolescent Marijuana Smokers
3. SOLOWIJ, N Cannabis Effects on the Brain in Schizophrenia and as a Vulnerability Toward Psychosis Phenotypes
4. TAPERT, S Neuropsychological and Neuroimaging Findings in Adolescent Marijuana Users: Longitudinal Results

Thursday February 5, 3:15-4:45pm

Invited Symposium: Refining Our Expectations and Understanding of Cognitive Aging

Centennial Ballroom (D-E)

Chair: Emily J. Rogalski

Dr. Emily Rogalski received her PhD in neuroscience from Northwestern University. She is currently an Associate Professor and the Director of Neuroimaging for the Cognitive Neurology and Alzheimer's Disease Center (CNADC) at Northwestern University's Feinberg School of Medicine. Her research falls under the broad umbrella of aging and dementia and uses a multimodal approach to investigate two aging perspectives: primary progressive aphasia (PPA) in which neurodegenerative disease invades the language network and SuperAging in which individuals are seemingly resistant to the deleterious changes in memory associated with "normal" or more typical cognitive aging. Her investigations assist in defining the clinical and anatomical features of different dementia syndromes as well genetic and other risk factors. She also develops educational programs, support groups and therapies to improve quality of life for patients with dementia. She has received research support from the National Institutes of Health, the Association for Frontotemporal Degeneration (AFTD), Alzheimer's Association and other philanthropic sources.

Symposium Summary

The parallel observations that memory complaints are widespread among the elderly and aging is a major risk factor for Alzheimer's disease (AD), leads to the impression that a gradual loss of intellectual ability, eventually culminating in dementia, may be a nearly universal consequence of getting old. This impression raises significant concern, since people age 80+ constitute the fastest growing segment of the U.S. population and there is currently no cure for AD. This symposium will question this impression by demonstrating that exceptional memory performance over age 80 is possible (Rogalski) and that there is potential for improving cognitive function in normal aging persons (Chapman). In addition, Dr. Jagust will share data about how the aging brain may undergo compensatory or plastic alterations that help maintain cognitive performance even in the face of amyloid deposition. Results from these studies are important for separating age-related changes of cognition and brain that are inevitable from those that are not necessarily universal in order to promote strategies for optimizing cognitive health and quality of life in old age.

Symposium Abstracts

1. ROGALSKI, E Refining Our Expectations and Understanding of Cognitive Aging
2. ROGALSKI, E Neurobiologic Features of Cognitive SuperAging
3. CHAPMAN, S Brain and Cognitive Enhancement in Aging through Complex Reasoning and Aerobic Training
4. JAGUST, WJ Factors Associated With Age-Related Cognitive Decline and Compensation

Friday, February 6

Friday February 6, 1:00-3:00pm

Invited Symposium: Norman Geschwind and the Lasting Influence of Disconnection

Centennial Ballroom (D-E)

Chair: Christopher M. Filley, MD

Christopher M. Filley, MD, is Professor of Neurology and Psychiatry and Director of the Behavioral Neurology Section at the University of Colorado School of Medicine. After graduating from Williams College, he received his medical degree from Johns Hopkins University, and trained in Neurology at the University of Colorado. His fellowship in Behavioral Neurology at the Boston VA Hospital allowed him the opportunity to work with Norman Geschwind. Michael P. Alexander, Martin L. Albert, Edith Kaplan, Harold Goodglass, Howard Gardner, and many others. Dr. Filley then joined the faculty of the University of Colorado as its first behavioral neurologist in 1984. His research has focused on brain-behavior relationships as revealed in major disorders of cognition including dementia and traumatic brain injury. He has pursued clinical, neuropsychological, neuropathological, neuroradiological, and genetic aspects of the dementias, and participated in many clinical trials for the treatment of Alzheimer's Disease. His primary interest is in the neurobehavioral aspects of white matter disorders, and he has developed the concept of white matter dementia since introducing the term in 1988. Dr. Filley has received many teaching awards, and has been named fellow of the American Academy of Neurology and the American Neurological Association. He has been listed in the Best Doctors of America since 1996, and has been included in the top 1% of US neurologists by US News and World Report. Since 2010, he has served as Neurology Service Chief at the Denver VA Medical Center. Dr. Filley is the author of over 175 scientific papers and reviews, and two books: Neurobehavioral Anatomy, now in its third edition, and *The Behavioral Neurology of White Matter*, in its second edition. He is also the senior editor of the acclaimed textbook *Behavioral Neurology & Neuropsychiatry*.

Symposium Summary

Norman Geschwind (1926-1984), an American neurologist credited with introducing the term behavioral neurology, authored a seminal paper in 1965 entitled "Disconnexion Syndromes in Animals and Man." This Symposium commemorates the 50th anniversary of the publication of this article, the influence of which was immediately apparent and continues today. In this comprehensive work – 118 pages long and spread over two issues of Brain – Geschwind reviewed and synthesized a wide range of neurologic literature from 19th century Europe, and almost single-handedly re-established academic medical interest in brain-behavior relationships after a half century of neglect. His explanation of neurobehavioral syndromes in terms of lesions disconnecting brain regions from one another vigorously encouraged the renewed study of many neurologic disorders in light of altered cerebral connectivity, and set the stage for contemporary research on distributed neural networks. With no access to modern neuroimaging until late in his career, Geschwind significantly advanced behavioral neurology and neuropsychology through careful observation of patients and thoughtful interpretation of clinical data. To begin this Symposium, Dr. Filley will discuss progress in the understanding of white matter disconnection in behavioral neurology, particularly with respect to dementia. Dr. Heilman will then take up the syndrome of apraxia, which was crucial to Geschwind's thinking about disconnection. Dr. Kertesz will follow with a consideration of the aphasias, now being observed in neurodegenerative diseases as well as after focal lesions disconnecting language regions. Next, Dr. Denckla will review Geschwind's contributions to childhood disorders such as developmental dyslexia. Dr. Yeo will then conclude with a discussion of how Geschwind's influence is still widely evident in clinical and experimental neuropsychology.

Symposium Abstracts

1. FILLEY, CM Norman Geschwind and the Lasting Influence of Disconnection
2. HEILMAN, KM Geschwind and Apraxia
3. FILLEY, CM Disconnection and White Matter
4. KERTESZ, A Disconnexion Syndromes and Aphasia
5. DENCKLA, M Geschwind's Impact on Developmental Dyslexia and Related Disorders
6. YEO, RA Geschwind's Impact on Clinical and Experimental Neuropsychology

Participating symposia abstracts may be viewed in the INS Mobile Meeting App

Friday, February 6

Friday February 6, 3:15-4:45pm

Invited Symposium: The Young Damaged Brain: A Symposium in Honor of Maureen Dennis

Centennial Ballroom (D-E)

Organizers: Jack M. Fletcher, PhD, Brenda Spiegler, PhD; Discussant: Erin D. Bigler, PhD

Symposium Summary

This symposium involves some of the themes prominent in Maureen Dennis's many contributions to child neuropsychology. Throughout her career, Dr. Dennis applied concepts and methods from cognitive neuroscience, cognitive and experimental psychology and developmental psychology to atypical development, focusing on the effects of brain injury on the organization of function in children with acquired and developmental brain disorders. Among her more prominent contributions were multiple considerations of how language is organized after brain injury in children, most recently in relation to social cognition. She had an enduring interest in endophenotypes and cross-disorder comparisons, exemplified by her work in both language and attention. Dr. Dennis had a fascination with the cerebellum and disorders associated with damage "under the tent," with theoretical and methodological contributions to the role of the cerebellum in attention, cognition and motor function. The enduring theme tying together all of her work was an abiding interest in neural plasticity, which represented her earliest contributions and was a theme she returned to at the end of her career. Metaphorical and allegorical, Maureen Dennis was a major figure in child neuropsychology; her ideas will endure through her writings and her influence on her many students and colleagues.

Symposium Abstracts

1. FLETCHER, JM The Young Damaged Brain: A Symposium in Honor of Maureen Dennis
2. TURKSTRA, L Different Routes to Pragmatic Communication Impairment in Adolescence
3. SCHACHAR, RJ Etiology of Attention Deficit Hyperactivity Disorder (ADHD): Lessons from Cognitive Function and Traumatic Brain Injury
4. JURANEK, J The Cerebellum in Neurodevelopmental Disorders
5. TAYLOR, HG Plasticity of Function After Childhood Brain Injury

Friday February 6, 1:30-3:00pm
Maureen Dennis Poster Symposium

Centennial Ballroom Foyer

Friday February 6, 8:30-9:30pm
Special Reception in Honor of Maureen Dennis

Mineral Hall B
Hosted by Jack M. Fletcher

Saturday, February 7

Saturday February 7, 9:00-10:30am

Invited Symposium: Exploring the Function and Dysfunction of the Brain's Default Network

Centennial Ballroom (D-E)

Chair: Jessica Andrews-Hanna, PhD

Jessica Andrews-Hanna, Ph.D., is a Research Scientist in the Institute of Cognitive Science at the University of Colorado Boulder. She received her M.S. in Neuroscience from Washington University in St. Louis, her Ph.D. in Psychology from Harvard University, and since has completed a National Research Service Award postdoctoral fellowship at the University of Colorado Boulder. Dr. Andrews-Hanna's program of research seeks insight into the psychological and neural mechanisms underlying self-generated cognition, spanning autobiographical memory, prospection, mentalizing, emotion, and mind-wandering. Across a series of studies bridging cognitive and social neuroscience, she linked these processes to a large-scale brain system known as the "default network." She also pursues complementary lines of work examining how individuals regulate their internal experience using executive control mechanisms, and how self-generated processes change across the lifespan and become altered in mental health populations. Dr. Andrews-Hanna has been a recipient of grants from multiple NIH Institutes and private foundations, including the Templeton Foundation and the Brain & Behavior Research Foundation. Her publications have led to awards from Neuron and Thompson Reuters Science Watch, generating over 6,000 citations to date, and appearing in outlets including Annals of the New York Academy of Science, Neuron, and American Journal of Psychiatry.

Symposium Summary

The brain's default network (DN) is a large-scale brain system whose anatomical organization and adaptive functions have remained elusive until recent years. Insight into the functional-anatomic properties of the default network is critical because network alterations are a key source of cognitive impairment and/or mental health dysfunction across numerous populations. To clarify gaps in our understanding of the DN, this symposium synthesizes research across the lifespan and in clinical populations, drawing on methods spanning neuropsychology, functional and structural neuroimaging, and pharmacological and behavioral interventions. Jessica Andrews-Hanna will provide a brief introduction to the symposium and discuss the role of the DN in self-generated cognition in healthy young adults. Next, Cheryl Grady will explore how DN activity and connectivity (both within the DN and with other brain systems) changes with age, providing further insight into the DN. Muireann Irish will reveal how DN atrophy in neurodegenerative diseases can lead to impairments in goal-directed and spontaneous forms of self-generated cognition. Finally, Susan Whitfield-Gabrieli will tackle the mental health implications of DN dysfunction by considering a variety of psychiatric populations and disorders of consciousness, highlighting recent research suggesting that self-generated cognition can be improved with pharmacological and behavioral interventions that modulate the DN.

Symposium Abstracts

1. ANDREWS-HANNA, J Exploring the Function and Dysfunction of the Brain' Default Network
2. GRADY, C Age Differences in the Functional Connectivity of the Default Network
3. IRISH, M The Wandering Mind Standing Still – Exploring the Functional Properties of the Default Network in the Dementias
4. GABRIELI, S The Default Mode Network and Psychopathology

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Exhibit Hall Hours:

Wednesday February 4, 2015	3 PM–7:30 PM
Thursday February 5, 2015	8:30 AM–5 PM
Friday February 6, 2015	8:30 AM–5 PM
Saturday February 7, 2015	8:30 AM–2 PM

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Final Program Changes

Please note the following changes that have occurred to the Final Program listed on the following pages. The following changes occurred after the program was finalized.

These changes will be included in a Final Addendum to the Final Program in the *Journal of the International Neuropsychological Society: JINS*.

Major Program Changes & Additions

Canceled

Poster Symposium: Assessment of Physicians: From Prospective Screening to Rehabilitation (Chair: Kelly Garrett)

Originally scheduled February 5th from 3:15-4:45pm, in concurrence with Poster Session 4, this poster symposium has been canceled.

The abstract entitled "Systematic Prospective Cognitive Screening Programs for Medical Staff" will be presented by Kelly Garrett as poster presentation #95 in Poster Session 4, on Thursday February 5th from 3:15-4:45pm in the Centennial Foyer.

The remaining abstracts from this poster symposium have been withdrawn after being accepted for presentation.

Rescheduled

INS Mid-Career (Arthur Benton) Award Presentation: A Glimpse Behind the Veil: Multimodal Assessment and Rehabilitation of Memory and Executive Functioning (Benton Award Winner: Brian Levine)

Originally scheduled Friday February 6th from 10:15-11:15am, this awardee presentation has been moved to Thursday February 5th from 3:15-4:15pm in Centennial A.

Final Program
Forty Third Annual Meeting
International Neuropsychological Society

February 4-7, 2015
Denver, Colorado, USA

WEDNESDAY, FEBRUARY 4, 2015

9:00 AM–12:00 PM	**CE 1: Persistent Neuropsychiatric Symptoms After Concussion: Evaluation, Effort, and Ethics** **Presenter: Jonathan M. Silver** **Centennial G-H**
1. SILVER, JM	Persistent Neuropsychiatric Symptoms After Concussion: Evaluation, Effort, and Ethics
9:00 AM–12:00 PM	**CE 2: Genes, Brain, and Behavior in Neurodevelopmental Disorders: Science and Practice** **Presenter: Bruce F. Pennington** **Centennial B-C**
1. PENNINGTON, BF	Genes, Brain, and Behavior in Neurodevelopmental Disorders: Science and Practice
9:00 AM–12:00 PM	**CE 3: Neurocognitive Networking: Modern Neuroimaging Methods for Understanding Neurocognition** **Presenters: Angela R. Laird, Jennifer Robinson** **Centennial A**
1. LAIRD, AR	Neurocognitive Networking: Modern Neuroimaging Methods for Understanding Neurocognition
1:00–4:00 PM	**CE 4: Impact of Marijuana on the Developing Brain** **Presenter: Deborah Yurgelon-Todd** **Centennial A**
1. YURGELUN-TODD, D	Impact of Marijuana on the Developing Brain
1:00–4:00 PM	**CE 5: The Neuropsychiatry of Multiple Sclerosis** **Presenter: Anthony Feinstein** **Centennial B-C**
1. FEINSTEIN, A	The Neuropsychiatry of Multiple Sclerosis
1:00–4:00 PM	**CE 6: Primary and Treatment Related Comorbidities in Pediatric and Adult Epilepsies: Revising our Understanding of the Relationships** **Presenters: Bruce P. Hermann, Madison M. Berl, David W. Loring** **Centennial G-H**
1. HERMANN, BP	Primary and Treatment Related Comorbidities in Pediatric and Adult Epilepsies: Revising our Understanding of the Relationships

1:00–4:00 PM **INS Student Liaison Committee Workshop: Brain-Behavior Relationships in the Developing Child: A Primer in Pediatric Neuropsychology**
Presenters: H. Gerry Taylor, E. Mark Mahone
Centennial F

4:15–4:30 PM **Welcome Address**
Program Chair: Derin J. Cobia
Centennial Ballroom (D-E)

4:30–5:30 PM **Invited Address: Looking Behind the Smokescreen: Cannabis, Cognition and Multiple Sclerosis**
Presenter: Anthony Feinstein
Centennial Ballroom (D-E)

1. FEINSTEIN, A — Looking Behind the Smokescreen: Cannabis, Cognition and Multiple Sclerosis

5:30–6:30 PM **INS Awards Ceremony With Opening by Phamaly Theatre Company**
Centennial Ballroom (D-E)

6:00–7:30 PM **Poster Symposium: Cognitive and Neuropsychiatric Functioning of OIF/OEF/OND Veterans**
Chair: Robert D. Shura
Centennial Ballroom Foyer

Acquired Brain Injury (TBI/Cerebrovascular Injury & Disease - Adult)

1. SHURA, RD — Cognitive and Neuropsychiatric Functioning of OIF/OEF/OND Veterans
2. SHURA, RD — The Behavioral Dyscontrol Scale–II: A Unique Measure of Executive Functioning
3. MISKEY, HM — The Relationship of Self-Reported Disinhibition and Posttraumatic Stress to Objective Performance
4. HOMAIFAR, BY — The Relationship of Suicidal Ideation to Objective and Subjective Executive Functioning
5. TUPLER, LA — Olfactory Deficits in Veterans Serving Post-9/11 Reporting TBI: A Potential Biomarker of Injury
6. ROWLAND, JA — Alterations in Resting-State Brain Network Structure Associated with mTBI and PTSD

6:00–7:30 PM **Poster Session 1: ABI-Adult & Emotional Processes**
Centennial Ballroom Foyer

Acquired Brain Injury (TBI/Cerebrovascular Injury & Disease - Adult)

1. HIPLOYLEE, C — Recovery From Postconcussion Syndrome
2. REYNOLDS, M — Biological and Psychosocial Factors Associated with Post-Stroke Emotional Functioning
3. TROYANSKAYA, M — Everyday Functioning, Symptom Reporting, and Cognition Following Injury During Combat Deployment
4. KISSER, JE — Lifetime Prevalence of Head Injury in a Demographically Diverse Community Sample
5. MERZ, Z — The Prevalence of Sport Concussion Citations in Blast Concussion Publications
6. LEQUERICA, A — Relationship Between Disturbed Sleep and Executive Functioning in Traumatic Brain Injury: A Pilot Study
7. JUNG, S — Ecological Validity of Traditional Neuropsychological Tests: Role of Memory, Executive Skills, and Learning in Predicting Everyday Functioning in a Clinical Population
8. YANG, C — Anxiety Symptoms as the Major Contributing Factor to Post-Concussion Syndrome: A Prospective Study
9. WILLIAMSON, JB — The Identification of Emotional Facial Expressions in People with Mild Traumatic Brain Injury and symptoms of PTSD
10. CHIOU, KS — Performance Differences and Predictors of Learning After Moderate and Severe Traumatic Brain Injury
11. TWAMLEY, EW — Multivariate Predictors of Social Reintegration and Satisfaction in Veterans with Histories of Traumatic Brain Injury
12. SUNDERARAMAN, P — Examining the Neuropsychological correlates of Trail Making Test Based on the Chronicity of Brain Injury
13. LEMONS, A — Post-War Traumatic Brain Injuries are Influenced by Number of Pre-War, but not Deployment-Related Brain Injuries in Gulf War Veterans
14. YEE, MK — History of Pre-war Brain Injuries Influences Total Current Health Symptoms in a Cohort of 1990-1991 Gulf War Veterans

58. GRAJZEL, K — Psychological Distress Has a Larger Effect on Baseline Concussion Test Performance than Brain Injury History
59. HANSON, KL — Alcohol-Related Psychosocial Problems are Associated with TBI Injury Characteristics, Greater Post-Concussive Symptomatology, and Poorer Cognition in Veterans with a History of Mild TBI
60. RAU, HK — Comorbid Pituitary Dysfunction and mTBI Characterized by Specific Weaknesses in Verbal Memory: Evidence from Combat Veterans with Repeated Blast-Related mTBI
61. CLARK, AL — Mild Traumatic Brain Injury (mTBI) Moderates the Association Between White Matter Lesion Burden and Memory
62. VAS, A — Expanding Measurement of Abstract Thinking in Adults with Traumatic Brian Injury
63. COHEN, J — Differential Predictors of Stroke and Cardiovascular Disease as They Relate to Brain Structure and Function: Implications for the Human Connectome
64. BUDISIN, B — Preliminary Evaluation of the Diagnostic Utility of Diffusion Tensor Imaging (DTI) for Detecting Mild Traumatic Brain Injury (mTBI) in Spinal Cord Injury (SCI) Patients
65. EVANS, SA — Evidence for a Central Disorder of Pain in PD and Its Relevance to PD Cognition
66. TOMASZCZYK, JC — Recovery of Variability in Attention Task Performance after Moderate-Severe Traumatic Brain Injury
67. MEYERS, K — Computer-Based Neuropsychological Performance in Retired Professional Football Players
68. MARTIN, R — The Influence of Headache Impact on Life Satisfaction and Community Reintegration in Veterans with Mild Traumatic Brain Injury
69. BOSWORTH, CC — Factors Associated with Default Mode Network Functional Connectivity in Traumatic Brain Injury

Acquired Brain Injury (TBI/Cerebrovascular Injury & Disease - Child)

70. ASKEN, B — Pre-morbid Characteristics of Adolescent Student-Athletes: a Sport-Related Concussion Perspective

Assessment/Psychometrics/Methods (Child)

71. UDERMAN, J — Psychometric Assessment of Social Cognition in Pediatric Populations

Autism Spectrum Disorders

72. GRANADER, Y — Updated BRIEF Profiles in Children with Autism Spectrum Disorders

Emotional Processes

73. REVUELTAS, AM — Analysis of Mexican Children's Recognition of Facial Expression of Emotions
74. WEISS, LR — Changes in Blood Oxygen Level-Dependent (BOLD) Response to Affective Picture Viewing After Acute Exercise
75. VANUK, JR — Napping in Conjunction with Brief Internet-Based Training as a Means of Enhancing Emotional Intelligence
76. VANUK, JR — Engaging in Meditation and Internet-Based Training as a Means of Enhancing Emotional Intelligence
77. HAZAMY, AA — Emotional Sentence Processing in Persons with Parkinson's Disease
78. TWAITE, JT — Musical Training is Associated With Lower Levels of Alexithymia and Greater Introspective Thought
79. KILLGORE, WD — Enhancing Emotional Intelligence via Brief Internet-Based Training
80. KILLGORE, WD — Emotional Intelligence is Associated with Coordinated Resting State Activity Between Emotion Regulation and Interoceptive Experience Networks
81. BRUCE, SE — An fMRI investigation of visual cortex activity in response to fearful faces in participants with PTSD
82. ALKOZEI, A — Looking for Evil Intent: Emotional intelligence and the use of socially relevant facial cues during an emotional decision making task
83. SZELES, D — The Influence of Spatial Presentation on the Emotional Perception of Pictures
84. DEL PIERO, LB — Cognitive and Emotional Correlates of Family Aggression
85. ANDERSON, LB — Emotional Intelligence Deficits in Agenesis of the Corpus Callosum
86. ABEARE, C — The Role of Stress and Emotion Regulation in Post-Concussive Symptom Reporting in Healthy Adults
87. KELLOGG, EJ — Investigating the Relationship Between Emotional Dysregulation, Impulsivity, and Executive Functions In a Non-Clinical Sample
88. JOHNSON, PL — The Impact of Self-Reported Difficulty in Emotion Regulation on Emotional Memory and Emotional Processing of Pictures
89. BAULDRY, RM — Generalized Anxiety and Major Depressive syndrome measured by the SCL-90-R in Two Manganese (Mn) Exposed Ohio Towns
90. SHDO, SM — Specific Right-Temporal Contributions to Distinct Behavioral Subcomponents of Empathy in Neurodegenerative Disease
91. CONSIDINE, CM — Objective & Subjective Sleep Quality Differentially Relate to Depressive, Cognitive, and Cognitive-Affective Processes in an Obstructive Sleep Apnea Referral
92. GARCIA, R — Psychological Symptoms and Quality of Life Among Residents Exposed to Long-Term, Low-Dose Environmental Manganese (Mn)

6:30–7:30 PM **Welcome Reception**
Centennial Ballroom Foyer

THURSDAY, FEBRUARY 5, 2015

7:20–8:50 AM **CE 7: Pediatric Mild TBI: Who Gets Better, Who Doesn't, and What's Neuropsychology Got to Do with It**
Presenter: Michael Kirkwood
Centennial G-H

1. KIRKWOOD, M — Pediatric Mild TBI: Who Gets Better, Who Doesn't, and What's Neuropsychology Got to Do with It

7:20–8:50 AM **CE 8: Cognitive Reserve, From Theory to Intervention**
Presenter: Yaakov Stern
Centennial B-C

1. STERN, Y — Cognitive Reserve, From Theory to Intervention

9:00–10:00 AM **Invited Address: Connectomics and Cognition: A Tale of Many Regions**
Presenter: Deanna M. Barch
Centennial Ballroom (D-E)

1. BARCH, DM — Connectomics and Cognition: A Tale of Many Regions

10:00–10:15 AM **Coffee Break**
Centennial Ballroom Foyer

10:15–11:15 AM **INS Early Career Award Presentation: Brain, Behavior and Beyond: Tracing the Social Landscape of Pediatric TBI**
INS Early Career Award Winner: Miriam H. Beauchamp
Centennial Ballroom (D-E)

10:15–11:45 AM **Paper Session 1: TBI - DTI**
Moderator: Elisabeth Wilde
Centennial A

1. PRESSON, N — Advanced White Matter Imaging with High Definition Fiber Tractography Predicts Neuropsychological Test Performance in Adults with Traumatic Brain Injury
2. ADAMSON, MM — DTI Metrics from the Right Inferior Longitudinal Fasciculus and Thalamic Tract Best Discriminate TBI in Patients and Controls
3. BUDISIN, B — Diagnostic Uncertainty and Speculations Regarding Mild Traumatic Brain Injury (mTBI): Diffusion Tensor Imaging (DTI) Versus Conventional Neuroimaging
4. KLIPFEL, K — Microstructural, Functional-Connectivity, and Neurocognitive Disruption in Pediatric Traumatic Brain Injury: A DTI and Resting-State fMRI Study

10:15–11:45 AM **Symposium 1: Investigating Preclinical Alzheimer's Disease: The Wisconsin Registry for Alzheimer's Prevention Experience**
Chair: Ozioma Okonkwo
Centennial B-C

1. OKONKWO, OC — Investigating Preclinical Alzheimer's Disease: The Wisconsin Registry for Alzheimer's Prevention Experience
2. JOHNSON, S — Amyloid imaging and CSF biomarkers in the Wisconsin Registry for Alzheimer's Prevention
3. BENDLIN, BB — Connectivity loss in preclinical Alzheimer's disease: insights from diffusion tensor imaging
4. SCHULTZ, SA — Cardiorespiratory capacity attenuates the influence of age and amyloid-β on cognition
5. BRATZKE, L — Multimorbidity and cognition: Latent class analysis within the WRAP cohort
6. CLARK, LR — Psychometric definitions of mild cognitive impairment and applications to identifying early cognitive change in the Wisconsin Registry for Alzheimer's Prevention (WRAP) study

10:15–11:45 AM **Paper Session 2: Pediatric Neuropsychology & Neuroimaging**
Moderator: Dalin Pulsipher
Centennial F

1. CHEUNG, Y — Association between Acute Treatment-related Neurotoxicities and Executive Dysfunction in Long-term Survivors of Childhood Acute Lymphoblastic Leukemia

2.	ROSENQVIST, JE	Neurocognitive Development in 3- to 11-Year-Old Children: An International Comparison
3.	FOX, ME	Dorsal Anterior Cingulate-Based Functional Connectivity in Adolescents with Negative Attentional Bias
4.	MRAKOTSKY, C	Reduced Cortical Thickness and Neuropsychological Function in Children with Crohn's Disease
5.	FITZER, KR	Cognitive Hypothesis Testing for Targeted Reading Disability Subtype Interventions: Impact on Reading Competency and White Matter Connectivity
6.	WILLIAMS, VJ	Lateral Ventricular Volume, White Matter Integrity, and Intellectual Outcomes in Spina Bifida and Shunted Hydrocephalus

10:15–11:45 AM **Symposium 2: International Perspectives on Education and Training in Clinical Neuropsychology**
Chair: Christopher Grote
Centennial G-H

1.	GROTE, C	International Perspectives on Education and Training in Clinical Neuropsychology
2.	BODIN, D	A Review of the Hstory and Crrent Issues and Challenges in North American Postdoctoral Training in Clinical Neuropsychology
3.	BUTTS, AM	A Fellow's outlook on recruiting and matching for postdoctoral training in clinical neuropsychology in North America
4.	PONSFORD, JL	Australian Models of Ttraining in Clinical Neuropsychology
5.	HOKKANEN, L	Neuropsychology Training Models and Issues in Europe

10:15–11:45 AM **Poster Symposium: Executive Function in Pediatric Medical Conditions**
Chair: Jacqueline Sanz
Centennial Ballroom Foyer

Executive Functions/Frontal Lobes

1.	SANZ, J	Executive Function in Pediatric Medical Conditions
2.	SANZ, J	Executive Function as a Predictor of Quality of Life in School Age Children with Congenital Heart Disease
3.	KRIVITZKY, L	The Relationship Between Executive functioning and Age/disease factors in Pediatric Stroke
4.	HARDY, KK	Computerized Cognitive Training for Children with Cancer and Neurofibromatosis type 1
5.	WALSH, KS	Patterns of Executive Functioning in Pediatric Medical Disorders affecting the Central Nervous System

10:15–11:45 AM **Poster Session 2: EF/Frontal, Forensic, & Malingering**
Centennial Ballroom Foyer

Executive Functions/Frontal Lobes

1.	ZANINOTTO, AC	Neuropsychological Assessment in Traumatic Diffuse Axonial Injury Patient Before and After Repetitive Transcranial Magnetic Stimulation - A Pilot Study
2.	CHOI, S	Neurobiological characteristics associated with impulse control impairment of Internet Addiction: A resting state EEG study
3.	LOPEZ, WD	English as a Second Language and Performance on Tests of Executive Functioning
4.	CRANSTON, CC	A Case for the Use of Action Fluency in Medial-Frontal Lesions
5.	WIENER, JR	The Neurobehavioral Exam: A Measure of Mental Status and Frontal Lobe Function
6.	WELSH, M	Homeless Men in Transitional Housing Receiving the BrainWise Curriculum: Baseline Data on Executive Functions, Problem Solving and Coping Self-Efficacy
7.	QUINTIN, EC	Association Between Executive Functions and Loneliness Across the Adult Lifespan
8.	WHITESIDE, DM	The Relationship Between Cognitive Reserve and Executive Functioning
9.	FRANCIS, T	Gender Effects on Self-Awareness of Executive Functioning Deficits in Adolescents with ADHD
10.	GUNTHER, S	Exploring the Pencil Tapping Task: Analyzing Receptive Vocabulary and Obedience as Correlates of Inhibitory Control
11.	DENNEY, DA	Relationships Between the Questionnaire for Impulsive-Compulsive Disorders in Parkinson Disease-Rating Scale and Measures of Executive Function
12.	VAN MOORLEGHEM, K	Anxiety Predicts Performance on Stroop Interference but not Stroop Switching
13.	PICK, L	Verbal Fluency Performance among Deaf Readers
14.	HOLCOMBE, BD	Exploring Differences in Gender and Disease Risk on Executive Function in Pediatric Survivors of Acute Lymphoblastic Leukemia (ALL)
15.	HUNTBACH, BA	Differences in Self-Reported Executive Functioning between Pedophilic and Non-Pedophilic Sex Offenders
16.	KAUR, S	Serum Brain Derived Neurotrophic Factor mediates the relationship between Central Adiposity and Executive Function in middle age

Forensic Neuropsychology

Malingering/Effort Testing

60.	STIKA, MM	Relationship between Symptom and Performance Validity Test Performance in a Sample of Criminal Defendants
61.	LEPPO, R	Preliminary Examination of TOMM Performance in A Clinically-Referred Sample of Deaf and Hard of Hearing Children
62.	PIERCE, C	Failure Rates of Alternative TOMM Indices and Cutoffs in a General Medical Population
63.	ZENISEK, R	Reliable Digit Span as a Measure of Effort in Dementia
64.	LAU, L	Effects of Symptom- and Test-Coaching on the Detection of Feigned Neuropsychological Deficits
65.	BAR-HEN, M	Validation in Patients of an Algorithm for Effort Assessment Embedded in a Neuropsychological Computerized Battery
66.	TEAGUE, A	Debunking the "Amotivational Syndrome" in Chronic Cannabis Users With Objective Measures of Effort
67.	IAMPIETRO, M	Word Memory Test Findings in a Pediatric Mixed Clinical Sample
68.	VASSERMAN, M	Utility of CVLT-C Recognition Discriminability as a Measure of Effort in Clinically Referred Children with Developmental Disorders
69.	TRAHAN, DE	Specificity of the CVMT Symptom Validity Scale in Normal Adults
70.	PULSIPHER, DT	Effort Test Failure, Intervention, and Degree of Neuropsychological Impairment in Children/ Adolescents with Concussion or Epilepsy
71.	AMEDORO, S	Exploratory Analysis of Mood/Anxiety and Effort Following Pediatric Concussion
72.	WARDIN, L	Classification Accuracy of the Wisconsin Card Sorting Test (WCST) in Detecting Noncredible Cognitive Performance in Neuropsychological Outpatients
73.	WARDIN, L	Trail Making Test (TMT) as a Performance Validity Test (PVT) in Neuropsychological Outpatients
74.	PLOETZ, D	Using the Automatized Sequences Task as a performance validity test in youth with neurological diagnoses
75.	PROTO, D	Effect Sizes of Neuropsychological Performance Decrements as a Function of Sample-Derived PVT Hit Rate
76.	GAVETT, BE	Do "Effort" Tests Measure Effort? A Call to Abandon this Misleading Term
77.	GAVETT, BE	Linking Standalone Performance Validity Test Scores
78.	MACALLISTER, WS	Adventures in Pediatric and Adolescent Performance Validity Testing: A Case Series
79.	PARIKH, SA	Using the Personality Assessment Inventory to Predict Non-Credible Cognitive Performance in Patients with Mild Traumatic Brain Injury
80.	ROBINSON, J	Examination of the Severe Impairment Profile in Dementia Evaluations
81.	COLLINS, R	The Relation between the WMT and CVLT-2 in a Sample of Patients Evaluated for Dementia
82.	WYMAN-CHICK, K	Performance Invalidity in Non-Clinical Undergraduate Research Participants: A Follow-Up Study
83.	LICHTENSTEIN, J	Introducing a Forced Choice Recognition Task to the CVLT-C (FCR-Child): Preliminary Findings
84.	COPELAND, C	Relative Utility of Performance and Symptom Validity Tests for Assessing Cognitive Performance and Symptom Report
85.	STENCLIK, J	Increasing Classification Accuracy of the TOMM: Comparison of the Albany Consistency Index and the Invalid Forgetting Frequency Index
86.	BRICKELL, TA	Influence of Symptom Validity Test Performance on the Traumatic Brain Injury Quality of Life (TBI-QOL) Scale in U.S. Military Service Members
87.	SHARLAND, MJ	Examination of Embedded Performance Validity Indicators for the Conners' Continuous Performance Test (CPT-II) and Brief Test of Attention (BTA) in a Large Clinical Sample
88.	PARKS, AC	Using the Structure Inventory for Malingered Symptomatology (SIMS) to Detect Feigned Postconcussional and Posttraumatic Stress Symptoms in Simulators
89.	SHURA, RD	Embedded Performance Validity Measures with Post-Deployment Veterans: Cross-Validation and Efficiency with Multiple Measures
90.	SEMLA, M	Classification Accuracy for Non-Credible Performance of the Personality Inventory (PAI) Psychosocial Scales in Traumatic Brain Injury
91.	ROTHONG, N	Relationships between Word Memory Test Scores and Neuropsychological Performance in Patients with Epilepsy
92.	SILK-EGLIT, G	Use of the Impairment Index and Neuropsychological Deficit Scale as Indicators of Performance Validity
93.	SILK-EGLIT, G	Use of Abnormal Score and Overall Test Battery Mean Intra-Individual Variability Scores as Measures of Performance Validity
94.	LANGE, R	Examination of the 'Mild Brain Injury Atypical Symptoms' and 'Validity-10' scales to Detect Symptom Exaggeration in U.S. Military Service Members
95.	PATRICK, R	Psychological Characteristics of Individuals who put forth Inadequate Cognitive Effort

12:00–1:00 PM **The Birch Memorial Lecture: Optimal Outcome in Autism Spectrum Disorders**
Presenter: Deborah Fein
Centennial Ballroom (D-E)

1.	FEIN, D	Optimal Outcome in Autism Spectrum Disorders

1:30–3:00 PM

Invited Symposium: Cannabis Effects in Vulnerable Populations
Chair: Deborah Yurgelun-Todd
Centennial Ballroom (D-E)

1. YURGELUN-TODD, D — Cannabis Effects in Vulnerable Populations
2. YURGELUN-TODD, D — Abberant Orbitofrontal Connectivity in Adolescent Marijuana Smokers
3. SOLOWIJ, N — Cannabis Effects on the Brain in Schizophrenia and as a Vulnerability Toward Psychosis Phenotypes
4. TAPERT, S — Neuropsychological and Neuroimaging Findings in Adolescent Marijuana Users: Longitudinal Results

1:30–3:00 PM

Paper Session 3: Sleep
Moderator: Angela Jefferson
Centennial A

1. KAMPER, J — The Validity of Actigraphy as a Sleep Correlate in the TBI population
2. GARNER, AA — Impact of Experimentally Manipulated Sleep on Adolescent Simulated Driving
3. BRINKMAN, TM — Sleep disturbance contributes to attention and memory problems in adolescent and young adult survivors of childhood acute lymphoblastic leukemia (ALL)
4. MZAYEK, Y — Neurocognitive Function, Oxidative Stress and Sleep Disturbances in Long-Term Survivors of Childhood Acute Lymphoblastic Leukemia (ALL)

1:30–3:00 PM

Symposium 3: A New Look at Chemobrain: Conceptualizing and Measuring Cognition in Cancer Patients
Chair: Todd Horowitz
Centennial B-C

1. HOROWITZ, T — A new look at chemobrain: Conceptualizing and measuring cognition in cancer patients
2. PADGETT, LS — Looking At Cancer Related Cognitive Impairment Through The Lens Of CHC Theory: Does It Improve Our Vision?
3. HOROWITZ, T — Attention And Chemobrain: The View From Cognitive Psychology
4. HARDY, KK — Neuropsychological Assessments within the Children's Oncology Group: A Model for Success
5. COSMAN, J — Mobile Tests For Assessing Cognition In Aging And Disease

1:30–3:15 PM

Symposium 4: Using Neuroimaging and Connectivity Modeling to Understand Network Plasticity After Brain Injury: Advancing Theory and Methods
Chair: Frank G. Hillary
Centennial G-H

1. HILLARY, FG — Using neuroimaging and connectivity modeling to understand network plasticity after brain injury: advancing theory and methods
2. HILLARY, FG — When physical disruption increases brain connectivity: the "hyperconnectivity hypothesis" after brain trauma
3. WYLIE, G — Investigation of information flow during a novel working memory task in individuals with traumatic brain injury
4. WILDE, EA — Integration of structural and functional imaging data in understanding connectivity
5. CALHOUN, V — Functional network connectivity as a marker of brain injury

1:30–3:00 PM

Poster Session 3: Aging & Epilepsy
Centennial Ballroom Foyer

Aging

1. SUMIDA, C — Who, When, and Where: Age-Related Differences on a Novel Episodic-Like Memory Task
2. MARTIN, CS — Association of Subjective Fatigue Complaints with Objective Cognitive Performance in Older Adults
3. ROGERS, S — Ease Up, Study Up, or Forget About It: How Neuroticism Relates to Learning, Memory, and Cognitive Decline in Older Adults
4. ROGERS, S — Are Older Couples More Similar or Different in Cognition?
5. SOTO-AÑARI, M — Inhibitory Control and Response Suppression as Latent Variables in Older Illiterate Bilinguals
6. MAY, PE — Engagement in Activities and Cognitive Functioning Among Older Adults in the Health and Retirement Study
7. LANE, EM — Abnormal Nocturnal Fluctuations in Ambulatory Blood Pressure Relate to Worse Cognitive Performance in Older Adults: The Vanderbilt Memory & Aging Project
8. BREWSTER, P — Influence of Physical and Mental Health on Long-Term Cognitive Training Intervention Outcomes
9. BARULLI, D — Cognitive Reserve is associated with Strategy Selection Independently of Executive Abilities
10. MALLYA, S — The Association between Global Health Habits and Cognitive Function in Non-Demented Older Adults

11.	SCOTT, BM	Walking as a Stressor in Cognitively Normal Older Adults: Post-Exercise Pulse Pressure Better Predicts Executive Function than Pre-Exercise Pulse Pressure
12.	TRIFILIO, E	Age Related Changes in Apathy, but not Anticipatory Anhedonia in Cognitively Normal Older Adults
13.	ROGERS, S	The Counterintuitive Relationship between Sleep Quality and Neuropsychological Functioning in Older Adults
14.	SNITZ, BE	Temporal Dynamics of Subjective and Objective Memory Change in Aging
15.	MCINERNEY, K	Neurocognitive Correlates of Hazard Perception in Normal Aging
16.	MOLDOVAN, CP	The Impact of Age, Education, and Spiritual Well-Being on Executive Functioning in Healthy Older Adults
17.	KARIMIAN, A	The Interactive Effects Of Age And Stress On Cognition And Functional Abilities Among HIV+ Individuals
18.	GRIGSBY, J	Sensory Loss and Cognitive Decline among Older People: The San Luis Valley Health and Aging Study (SLVHAS)
19.	EPPIG, J	Superior Verbal Memory in SuperAgers: Generalizability to Learning, Visual Memory, Language, and Executive Functioning
20.	DAVIS, HP	Performance on a Manual and Computerized Tower of London across the Life Span
21.	XU, Y	Depression: The Effect of Mood on Cognitive Functioning in a Sample of Healthy Older Adults
22.	FRANCHOW, EI	Complex Motor Planning: Sensitivity to Cognitive Concerns of Community-Dwelling Older Adults
23.	MORGAN, B	Longitudinal Prediction of Driving Risk in an Older Adult Sample
24.	COOLIN, A	Inhibitory Control Underlies Recollection and Reconstruction Processes in Older Adults' Hindsight Judgments
25.	TSAPANOU, A	Relationship of Self-reported Sleep Problems to Cognition in Aging
26.	GARCIA, S	Sleep as a Mediator for the Effects of an Exercise Regimen on Cognition in Older Adults
27.	BROWN, DS	Relationship of Metabolic Syndrome to Rate of Cognitive Decline in Normal Controls, Mild Cognitive Impairment and Alzheimer's Disease
28.	NORMAN, AL	Baseline Structural MRI Volumes and Five-year Follow-up Neuropsychological Performance in Cognitively-Intact Older Adults
29.	GENESER, AC	Subjective Memory Complaints in Older African Americans
30.	PORAT, S	Personal Experience with Dance and Cortical Gray Matter Thickness in the Cognitively Normal and Mild Cognitive Impaired Elderly
31.	STEWART, CC	Diverse Resources Contribute to Decision Making in Non-demented Older Adults
32.	STEWART, JJ	Verbal IQ as an Intervening Variable in Age-related Memory Decline
33.	BUTTERFIELD, LC	Apathy and Fatigue are Better Predictors of Cognitive Performance than Other Mood Variables in a Sample of Healthy Older Adults
34.	GROSS, EZ	Detection of Age- and Alzheimer's Disease Risk-Related Compensatory Strategies Using Ex-Gaussian Response Time Parameter Estimates
35.	VAN PATTEN, R	Effects of Context Maintenance on Cued-Stroop Performance in Healthy Aging
36.	STEPHENS, M	Examining Interleukin-6 as a Predictor of Change in Processing Speed in Healthy Older Adults
37.	O' SHEA, DM	The differential influence of extraversion on the association of age with cognition and the brain
38.	MEDINA, LD	The Impact of Dysexecutive Symptoms on Prospective Memory in Healthy Aging, Mild Cognitive Impairment, and Dementia
39.	MILLER, JS	The Appraisal of Subjective Cognitive Complaints to Detect Severities of Cognitive Decline
40.	MOORE, C	Erectile Dysfunction and Cognitive Change Over Time
41.	WOOLVERTON, CB	Self-imagining Improves Memory in Older Adults
42.	WALD, D	Is Exercise More Important for Cognitive and Mood Functioning among Parkinson's Disease Patients than Normal Elderly?
43.	COOK, AH	Reduced Cortical Atrophy in Cognitively Successful Elderly Adults
44.	COOK, AH	Psychological Well-Being in Cognitively Successful Elderly Adults
45.	COOK, C	Hypertension and Driving Risk: Neuropsychological Ability as Mediator
46.	FEDOR, A	The Effects of a Brief, Water-Based Exercise Intervention on Cognitive Function in Older Adults
47.	BLOCK, CK	The Interaction Between Medical Burden and Anticholinergic Cognitive Burden on Neuropsychological Function in a Geriatric Primary Care Sample
48.	GIOVANNETTI, T	Relations between Multiple Collateral Reports of Everyday Functioning and Performance-Based Assessment in MCI
49.	DEKHTYAR, M	Optimal Cognitive Aging in those 75+ is Associated with Greater Brain Reserve (larger hippocampal volumes) and Reduced Genetic Risk (E4-)
50.	SHAW, EE	Functional Connectivity Within and Across Cortical Networks is Associated With Cognition During Aging
51.	ZEC, RF	Effects of Age and Education on MMSE Scores
52.	SANDERSON-CIMINO, M	Age Moderates the Effect of Elevated Pulse Pressure on White Matter Lesion Burden in Older Adults
53.	MAYE, JE	Nightly Sleep and Cognitive Performance in Older Adults With and Without Amnestic Mild Cognitive Impairment
54.	MAYE, JE	Cardiovascular Disease Risk Factors and Cognitive Performance in Cognitively Normal VITAL Study Participants
55.	PADULA, CB	Longitudinal Cognitive Trajectories of Women Veterans from the Women's Health Initiative Memory Study

99. EICHSTAEDT, KE — Verbal Fluency Performance in Temporal Lobe Epilepsy: General Verbal Ability Accounts for Lateralizing Effect of Phonemic but Not Semantic Fluency

3:00–3:15 PM **Coffee Break**
Centennial Ballroom Foyer

3:15–4:45 PM **Invited Symposium: Refining Our Expectations and Understanding of Cognitive Aging**
Chair: Emily J. Rogalski
Centennial Ballroom (D-E)

1. ROGALSKI, E — Refining Our Expectations and Understanding of Cognitive Aging
2. ROGALSKI, E — Neurobiologic Features of Cognitive SuperAging
3. CHAPMAN, S — Brain and Cognitive Enhancement in Aging through Complex Reasoning and Aerobic Training
4. JAGUST, WJ — Factors Associated With Age-Related Cognitive Decline and Compensation

3:15–4:45 PM **Symposium 5: Biological Markers of Social and Emotional Impairment after Traumatic Brain Injury**
Chair: Miriam H. Beauchamp
Centennial B-C

1. BEAUCHAMP, MH — Biological Markers of Social and Emotional Impairment after Traumatic Brain Injury
2. BEAUCHAMP, MH — Theory of Mind and Emotional Face Processing after Early Mild Traumatic Brain Injury
3. ROBINSON, KE — Executive Function and Theory of Mind as Predictors of Social Adjustment in Childhood TBI: Regional Brain Injury as a Moderator
4. RUSHBY, JA — Diminished Arousal and Emotional Responsivity after Severe Traumatic Brain Injury
5. MCDONALD, S — Heart Rate Variability as an Index of Emotional Processing Disturbance in People with Traumatic Brain Injury

3:15–4:45 PM **Symposium 6: Functional Mapping for Presurgical Planning Using dEEG Source Localization and Transcranial Stimulation**
Chair: Catherine Poulsen
Centennial F

1. POULSEN, C — Functional Mapping for Presurgical Planning Using dEEG Source Localization and Transcranial Stimulation
2. POULSEN, C — Dense-array EEG Source Localization of Language Function
3. KUO, C — Dense-array EEG Source Localization of Motor Function
4. LUU, P — Neuromodulation of Primary Motor Cortex with Transcranial Direct Current Stimulation

3:15–4:45 PM*

SYMPOSIUM CANCELED:
Abstracts #1, 2, and 4-6 were withdrawn after being accepted; Abstract #3 will be presented as #95 in Poster Session 4.

Poster Symposium: Assessment of Physicians: From Prospective Screening to Rehabilitation
Chair: Kelly D. Garrett
Centennial Ballroom Foyer

Forensic Neuropsychology

1. GARRETT, KD — Assessment of Physicians: From Prospective Screening to Rehabilitation
2. KORINEK, L — Overview and Scope of Neuropsychological Performance Among Physicians of Advanced Age
3. GARRETT, KD — Systematic Prospective Cognitive Screening Programs for Medical Staff
4. PERRY, W — Neuropsychological Assessment of Late Career Physicians
5. PERRY, W — Professional Issues and Ethics for Neuropsychologists in Screening, Evaluation, and Rehabilitation of Physicians
6. GRACE, ES — Signed, Sealed, and Delivered: What Referring Organizations Need in Neuropsychological Screening and Testing Reports on Aging and Other Physicians

3:15–4:45 PM **Poster Session 4: Cross Cultural, Drugs, Genetics, HIV/AIDS, & MS/ALS**
Centennial Ballroom Foyer

ADHD/Attentional Functions

1. SUDIKOFF, EL — Medication Effects on ADHD as Revealed by a Novel Continuous Performance Test
2. HEITZER, A — Hyperactivity and Disinhibition Among Preschool Age Children Born Prematurely

Cognitive Intervention/Rehabilitation

3.	PAEK, E	Intervention of Developmental Dyslexia through Working Memory Treatment
4.	WONG, A	Analyzing the Relationship of Disrupted Cognitive Function on Social Health and Participation after Neurological Disorders: a Structural Equation Modeling Approach

Cognitive Neuroscience

5.	NITZAN-TAMAR, O	Eye-Tracking Patterns as a Tool to Identify and Classify Cognitive Styles

Cross Cultural

6.	MOSS, NC	The Relationship Between Primary Language, Socioeconomic Status, and Executive Function in Prechoolers Born Very Low Birthweight (VLBW)
7.	GALUSHA-GLASSCOCK, JM	Comparison of ANAM4 with Common Neuropsychological Tests in a Racially Diverse Sample
8.	PETRANOVICH, CK	Differing Aspects of Social Information Processing and Parent-reported Social Competence in Internationally Adopted Girls with a History of Institutionalization
9.	ANDREOTTI, C	Role of Age, Health Status, and Education on RBANS Performance in an Older African American Community Sample
10.	BRYANT, KR	Education Attainment and Premorbid Ability Affects Boston Naming Test Performance in a Rural Sample
11.	RIDER, G	Cognitive Outcomes of Bilingual Preterm Children at Ages Three and Six
12.	LEON, A	The Effect of Educational Attainment on Assessment of Adaptive Functioning in a Sample of Monolingual Spanish-speaking Hispanics
13.	LEON, A	Analyzing the Efficacy of the Spanish Version of the Frontal Systems Behavior Scale (FrSBe) in Assessing the Executive Functioning of a Sample of Monolingual Spanish-speaking Hispanics
14.	FLORES, I	Performance of Hispanics and Non-Hispanic Whites on the NIH Toolbox Cognition Battery: The Roles of Ethnicity and Language Backgrounds
15.	CARRION, C	Cognitive and Behavioral Predictors of Adaptive Functioning in a Monolingual Spanish-Speaking Hispanic Sample
16.	KAYLEGIAN, J	Executive Functioning, Risk Behaviors, and Time Homeless: The Significance for LGBTQ Homeless Youth
17.	BENNETT, J	Socio-cultural Factors Outweigh Language Factors in WRAT Reading Performance
18.	AVILA, J	The Relationship Between Cultural Factors and Executive Functioning in English-speaking and Farsi-speaking Iranian individuals

Drug/Toxin-Related Disorders (Including Alcoholism)

19.	SHAKED, D	The Influence of Substance Intake on Neuropsychological Performance
20.	BURRELL, L	Effects of Cannabis Consumption on Verbal Fluencies
21.	HAWKSHEAD, BE	Neurocognitive Markers of Relapse Risk Assessed Using FMRI
22.	EHRLER, MR	Lifetime Methamphetamine and Cigarette Consumption Differentially Impact Executive Functioning in Men and Women
23.	AASE, D	Alcohol Use History is Associated with Social Perception Task Performance
24.	BOWLER, RM	Manganese in Air: Associations in Residents with Tremor and Motor Function
25.	PETRIE, J	Visual Attention, Object Recognition Processing, Cognition, and Physiological Differences in Males and Females with Substance Abuse and Opioid Addiction
26.	ALI, S	Investigating Attention and Executive Functions Impact on Intraindividual Variability in Children with Fetal Alcohol Spectrum Disorder (FASD)
27.	CÁCERES-LUNA, G	Analysis of predictive factors for psychoactive substances consumption among college students in Peru
28.	HAMMERS, DB	Bad Air, Bad Cognition: The Effects of Wintertime Inversions on Executive Functioning Among Elderly Residents
29.	HUCKANS, M	The Association Between Plasma Inflammatory Markers and Depression, Anxiety, and Cognition in Adults with and without Methamphetamine Dependence
30.	MAHONEY, JJ	The Impact of Premorbid IQ on Cognitive Functioning in Individuals with a Cocaine Use Disorder
31.	REGNER, MF	Substance Dependence Demonstrates Altered Efficiency and Increased Bidirectional Network Causal Connectivity
32.	CHERNER, M	COMT Val158Met Val/Val Genotype May Mitigate Methamphetamine-related Executive Dysfunction
33.	SCOTT, TM	Neuropsychological Function is Improved among Opioid Dependent Drug Users Who Adhere to Opiate Agonist Treatment with Buprenorphine-Naloxone

Genetics/Genetic Disorders

34.	ARENIVAS, A	Neuropsychological Profile of Pediatric Beta Thalassemia Major: A Case Study
35.	RAO, R	Neuropsychological Outcome in Russell-Silver Syndrome
36.	LEAFFER, EB	The impact of sleep quality on executive function deficits observed in children with dystrophinopathy
37.	FONG, MW	Neuropsychological Profile in Hereditary Spastic Paraplegia (HSP): A Case Report
38.	HINTON, VJ	Verbal Working Memory Selectively Contributes to Academic Achievement in Children with Dystrophinopathy
39.	FEE, RJ	The Role of Socioeconomic Status in the Dystrophinopathies

80.	CANAS, A	Cognitive Decline without Neuroimaging Evidence of Disease Progression in an Adolescent Patient with MS
81.	GALUSHA-GLASSCOCK, JM	Test-Retest Stability of a Novel Executive Function Measure in Patients with Multiple Sclerosis
82.	BROWN, DS	The Impact of Fatigue, Depression, Sleep and Daytime Sleepiness on Cognition in Multiple Sclerosis
83.	BRYANT, KR	The Relationship between Depression and Cognitive Dysfunction in Individuals with Multiple Sclerosis
84.	CADDEN, M	Beyond Binary: Exploring the Merits of Multiple Depression Groups
85.	O'BRYAN, SR	Slowed Saccadic Eye Movements in Multiple Sclerosis
86.	ROBERG, BL	Differences in Theory-of-Mind Abilities between Multiple Sclerosis Subtypes
87.	ROMAN, CA	Performance on the Symbol Digit Modalities Test Predicts Decreased White Matter Integrity a Decade Later in Multiple Sclerosis
88.	ROMAN, CA	Cognitive Reserve Moderates the Effect of Depression on Working Memory Performance in Multiple Sclerosis
89.	SUNDARAM, SE	The Effects of Aging on White Matter Integrity in Relapsing-Remitting Multiple Sclerosis: A Diffusion-Tensor Imaging Study
90.	MARCOTTE, T	Driving Performance at Clinically Effective Cannabis Doses for the Treatment of MS Spasticity
91.	IBARRETXE-BILBAO, N	White matter injury and its relation with compensatory cortical activation in multiple sclerosis
92.	TILL, C	Perceived Parental Support and Social Stress as Moderators of Cognitive Decline in Pediatric-Onset Multiple Sclerosis Patients
93.	TYSON, B	Structural Changes in Thalamic Subnuclei Associated with Pain and Attention Performance in Multiple Sclerosis
94.	ROMERO, K	Effects of Cannabis Use on Gray Matter Volume and Cognition in Patients with Multiple Sclerosis
95.	GARRETT, KD	Systematic Prospective Cognitive Screening Programs for Medical Staff

5:00–6:00 PM **Invited Address: Tales from Both Sides of the Brain**
Presenter: Michael S. Gazzaniga
Centennial Ballroom (D-E)

1.	GAZZANIGA, MS	Tales from Both Sides of the Brain

6:00–6:45 PM **INS Town Hall**
Centennial Ballroom (D-E)

7:00–9:00 PM **Student Social, Hosted by the INS Student Liaison Committee**
Stout St. Social (1400 Stout Street)

FRIDAY, FEBRUARY 6, 2015

7:20–8:50 AM **CE 9: Sleep: A Silent Contributor to Cognitive Problems**
Presenter: Mark S. Aloia
Centennial G-H

1.	ALOIA, M	Sleep: A Silent Contributor to Cognitive Problems

7:20–8:50 AM **CE 10: Learning from Your Mistakes? Errorless Learning in Amnesia and Dementia**
Presenter: Roy P. Kessels
Centennial B-C

1.	KESSELS, RP	Learning from Your Mistakes? Errorless Learning in Amnesia and Dementia

9:00–10:00 AM **Invited Address: Lifetime Trajectories of Cognition – From Birth Cohorts to Aging Studies**
Presenter: Laura Hokkanen
Centennial Ballroom (D-E)

1.	HOKKANEN, L	Lifetime Trajectories of Cognition – From Birth Cohorts to Aging Studies

10:00–10:15 AM **Coffee Break**
Centennial Ballroom Foyer

10:15–11:15 AM*
***Rescheduled to 2/5/15 from 3:15-4:15pm in Centennial A**

INS Mid-Career (Benton) Award Presentation : A Glimpse Behind the Veil: Multimodal Assessment and Rehabilitation of Memory and Executive Functioning
Benton Award Winner: Brian Levine
Centennial Ballroom (D-E)

10:15–11:45 AM **Paper Session 4: Alzheimer's Disease**
Moderator: Munro Cullum
Centennial A

1. CHOI, J — Self-efficacy for cognitive rehabilitation in Alzheimer's disease
2. HAMSPTEAD, BM — Evidence of Transfer following Mnemonic Strategy Training in Patients with Mild Cognitive Impairment
3. NATION, DA — Cognitive profiles of tau pathology and amyloidosis in prodromal AD
4. ALMEIDA, RP — Cognitive Reserve Modifies Age-Related Alterations in CSF Biomarkers of Alzheimer's Disease
5. GUZMAN, VA — Regional White matter Hyperintensities and Fibrillar Amyloid Deposition
6. BOTT, NT — Altered Sense of Humor Comprehension in Neurodegenerative Disease: Neuroanatomical Correlates

10:15–11:45 AM **Symposium 7: Developmental Motor Disorders: From Genes to Brains to Behavior**
Chair: Deborah Dewey
Centennial B-C

1. DEWEY, D — Developmental Motor Disorders: From Genes to Brains to Behavior
2. BERNIER, FP — Copy-number Variation in Canadian Children with Developmental Coordination Disorder Implicates Neurodevelopmental Genes
3. ANDERSON, PJ — Neonatal MRI Predicts Motor Impairment in Very Preterm School-aged Children
4. THORNTON, SK — Functional Brain Activation during a Motor Inhibition Task in Children with Developmental Coordination Disorder and Attention Deficit/ Hyperactivity Disorder
5. TEN EYCKE, KD — Executive Function Deficits in Children with Developmental Coordination Disorder and Attention Deficit Hyperactivity Disorder: Same or Different
6. DEWEY, D — Developmental Brain Dysfunction: Co-occurrence is Associated with Impaired Neuropsychological Functioning

10:15–11:45 AM **Paper Session 5: Alcohol-Related Dysfunction**
Moderator: William MacAllister
Centennial F

1. RASKIN, S — Effect of Drinking Behavior on Cognitive Functions in College Students
2. WALKER, KA — Executive Functioning Deficits in Offspring of Alcohol Dependent Probands Predate Alcohol Dependence
3. WOZNIAK, JR — Choline supplementation improves memory performance in preschool children with fetal alcohol spectrum disorders: A randomized controlled trial
4. MIGLIORINI, R — Anterior Cingulate Cortex Structure Relates to Behavioral Inhibition in Children with Heavy Prenatal Alcohol Exposure
5. GLASS, L — Academic Achievement Deficits in Children with Heavy Prenatal Alcohol Exposure: Presence, Prevalence, Neural Correlates

10:15–11:45 AM **Symposium 8: Behavioral Genetics in Neuropsychology: Exploring New Frontiers in MS and mTBI**
Chair: Peter Arnett
Centennial G-H

1. ARNETT, P — Behavioral Genetics in Neuropsychology: Exploring New Frontiers in MS and mTBI
2. MERRITT, VC — Identifying the Role of the Apolipoprotein E (APOE) Gene in Concussion Outcome in Collegiate Athletes
3. MEYER, J — Influence of Serotonin Transporter Genotype Status on Affective Bias Post-concussion
4. CADDEN, M — APOE ε4 Allele Alters Depression Course in MS
5. UKUEBERUWA, D — Cognitive Functioning in MS and Relationship to Serotonin Transporter Genotype

10:15–11:45 AM **Poster Session 5: Imaging (Structural & Functional) & Psychopathology/ Neuropsychiatry**
Centennial Ballroom Foyer

Acquired Brain Injury (TBI/Cerebrovascular Injury & Disease - Child)

1. BLACKWELL, LS — Gender Differences in Children and Adolescents with Head Injury

Acquired Brain Injury (TBI/Cerebrovascular Injury & Disease - Adult)

2. MISKEY, HM — Personality Assessment Inventory Profiles of Post-Deployment Veterans: Differential Effects of Mild Traumatic Brain Injury and Psychopathology

Acquired Brain Injury (TBI/Cerebrovascular Injury & Disease - Child)

3. SMITH, JM — Genetic and Environmental Influences on Executive Functioning after Pediatric Traumatic Brain Injury

Imaging (Functional)

4. LIM, AF — Neural Correlates for a New Cognitive Flexibility Measure Using Functional Near-Infrared Spectroscopy
5. MALFAIT, D — Children with Benign Epilepsy with Centro-temporal Spikes: an fMRI, Cognitive and Behavioral Study
6. MILLER, NK — Neuroanatomical Contributions to Planning and the Relationship Between Resting State fMRI and DKEFS Tower Test
7. PASTOREK, NJ — Altered Brain Activation Associated with Posttraumatic Stress Symptoms
8. THOMPSON, J — Social Outcome and Fractional Anisotropy of the Frontal Lobe in Children with Chronic Traumatic Brain Injury
9. TAKEDA, C — Effects of order of task execution on Trail-Making Test performance
10. PUTCHA, D — Altered Intrinsic Functional Coupling Between Core Neurocognitive Networks in Parkinson's Disease
11. VENKATESAN, UM — Organization of Functional Network Representations within Posterolateral Parietal Cortex
12. ROY, A — A novel voxel-based approach to examine network plasticity during recovery from Traumatic Brain Injury
13. WOODARD, JL — A Novel Method for Assessing Behavioral and Neural Correlates of Levels of Semantic Knowledge
14. DUDA, B — Cognitive Reserve Predicts Bilateral Compensatory Brain Activation in Older Adults During a Working Memory Task
15. YUAN, J — Intrinsic Functional Connectivity of Gait and Executive Functioning in Older Adults
16. STEWART, JJ — Diagnostic Accuracy of SPECT Scans: Examining Specific Brain Areas of Hypoperfusion at Baseline in Alzheimer's Disease
17. ZIMMERMANN, KM — Connectivity of the bilateral FFA during eye gaze perception
18. GONZALES, M — Aerobic Fitness and the Brain at Midlife: Evidence for the Role of the Cerebellum
19. PRICE, JS — Thalamo-cortico-thalamic Circuitry Differences in Emerging Adult Nicotine Users Seeking Treatment for Substance Dependence
20. HERHOLZ, P — Lateralization Paradigms in fMRI Studies – Robustness and Reliability
21. SCHUSTER, V — In Search of a Robust and Reliable Paradigm to Assess Visuospatial Functions: A Functional MRI Study
22. RAO, JA — Cognitive Control Network Disruption and its Relationship with Gray Matter Volume in Late Life Depression
23. ALKOZEI, A — Emotional intelligence is differentially correlated with prefrontal cortical responses to backward masked fearful and angry faces
24. CRANE, NA — Independent Component Analysis of Cognitive Control as Treatment Predictors for Major Depressive Disorder
25. ZLATAR, ZZ — Sedentary Time is Associated with Higher Tau Protein Load in Healthy Aging
26. ALFINI, AJ — The Effects of Exercise Training Cessation on Cerebral Blood Flow: an Arterial Spin Labeling Analysis
27. KRISHNAN, K — Longitudinal Change in Resting-State Networks Over the Course of Recovery from TAI

Imaging (Structural)

28. MEDAGLIA, JD — Addressing Brain and Cognitive Reserve with Network Control Theory
29. POMMY, J — Intact Cerebellar Structure and Fine Motor Function with Religious Use of Ayahuasca
30. MCINTOSH, E — Metabolic Syndrome and the Entorhinal Cortex: A Cortical Thickness Study
31. CHOI, A — Comparison of Manual Versus FreeSurfer Calculated Intracranial Volumes in Older Adults
32. MCLAREN, ME — Symptom Dimensions of Depression and Frontal Brain Volume in Older Adults
33. REITER, K — Walking intervention increases VO2 peak and cortical thickness in MCI and healthy older adults
34. SMITH WATTS, AK — Pilot Test of the Utility of a Visual Rating System for Identifying Artifacts in Diffusion-Tensor Imaging (DTI) Data
35. BUCHHOLZ, JL — Anxiety Sensitivity Correlates with Left Anterior Insula Volume in Posttraumatic Stress Disorder
36. HIZEL, L — Organizational and Neuroanatomical Contributions to the Rey-Osterrieth Complex Figure in Non-demented Older Adults with Parkinson's Disease

Psychopathology/Neuropsychiatry (Including Schizophrenia)

82.	ZILBERFAYN, I	White Matter Integrity and its Relationship to PTSD Symptoms and Sleep Quality in OEF/OIF Veterans
83.	KEILP, JG	Evidence Against Ventral Prefrontal Dysfunction in Suicidal Behavior
84.	HUNTER, M	Dynamic causal modeling of selective attention predicts relapse in patients recovering from addiction
85.	DALY, M	Characterization of Somatosensory Processing in Relation to Schizotypal Traits in a Sample of Nonclinical Young Adults
86.	BODAPATI, AS	Cognitive Correlates of a Social Attentional Bias in Schizophrenia
87.	POTHIER, W	Methodological Guidelines to Improve Research Designs on Cognition in Schizophrenia
88.	RICHMOND, CE	What Do Drawing Tasks Measure In Serious Mental Illness? A Preliminary Analysis Using The Boston Qualitative Scoring System For The Rey Complex Figure Copy
89.	ESTEVIS, E	Neuropsychological dysfunction and informed consent capacity among depressed inpatients
90.	ESTEVIS, E	Memory dysfunction in major depression: Not an artifact of poor effort
91.	UMEKUBO, KA	Self-Reported Impulsivity Mediates the Relationship Between Schizotypy and Performance on the Wisconsin Card Sorting Test
92.	R.-MERCIER, A	The effect of Maltreatment on Neuropsychological functioning of Children, Adolescents and Adults with Psychiatric disorders: Meta-analysis
93.	GORLYN, M	Semantic Fluency Deficit Is a Marker for High-Lethality Suicide Attempt Risk in Major Depression
94.	PLANTE, W	Contributors of Executive Deficits in Incarcerated Youth
95.	LA, DD	Posttraumatic Stress Disorder and Obstructive Sleep Disorder Effects on Cognition in Older Veterans
96.	JANG, K	Source localization of P300 in college students with schizotypal traits
97.	GALLEGOS RODRÍGUEZ, YE	Cognitive functioning outcomes in Cognitive Behavioral Social Skills Training (CBSST) for racial/ethnic minority individuals diagnosed with schizophrenia spectrum disorders
98.	CAVACO, S	Impulse Control Disorders and Apathy in Parkinson's Disease
99.	TWAMLEY, EW	Neurocognitive Insight among Individuals with Schizophrenia

12:00–1:00 PM **Invited Address: Disconnection in the Connectome Era**
Presenter: Marco Catani
Centennial Ballroom (D-E)

1.	CATANI, M	Disconnection in the Connectome Era

1:00–3:00 PM **Invited Symposium: Norman Geschwind and the Lasting Influence of Disconnection**
Chair: Chris M. Filley
Centennial Ballroom (D-E)

1.	FILLEY, CM	Norman Geschwind and the Lasting Influence of Disconnection
2.	HEILMAN, KM	Geschwind and Apraxia
3.	FILLEY, CM	Disconnection and White Matter
4.	KERTESZ, A	Disconnexion Syndromes and Aphasia
5.	DENCKLA, M	Geschwind's Impact on Developmental Dyslexia and Related Disorders
6.	YEO, RA	Geschwind's Impact on Clinical and Experimental Neuropsychology

1:30–3:00 PM **Symposium 9: The Role of Physiological Factors and Novel Interventions in Mitigating Poor Neuropsychological Outcomes in Pediatric Brain Tumor Survivors**
Chair: Donald Mabbott
Centennial B-C

1.	MABBOTT, D	The Role of Physiological Factors and Novel Interventions in Mitigating Poor Neuropsychological Outcomes in Pediatric Brain Tumor Survivors
2.	JACOLA, LM	The Impact of Excessive Daytime Sleepiness on Neurocognitive Performance and Brain Activation in Children Diagnosed with Craniopharyngioma
3.	CONKLIN, HM	Aerobic Fitness in Relation to Cognitive Performance and Brain Function among Children Newly Diagnosed with Craniopharyngioma
4.	MABBOTT, D	Exercise training alters functional connectivity in children treated for posterior fossa brain tumors
5.	HARDY, KK	Neuropsychological Functioning Following Computerized Working Memory Training with Survivors of Pediatric Brain Tumors

1:30–3:00 PM **Symposium 10: Stepping Out from Silence: Initiating Difficult Dialogues about Diversity in the Context of Neuropsychological Education, Training, and Leadership**
Chair: April Thames
Discussant: Mariana Cherner
Centennial G-H

1. THAMES, AD — Stepping Out from Silence: Initiating Difficult Dialogues about Diversity in the Context of Neuropsychological Education, Training, and Leadership
2. BYRD, DA — Demystifying the Process of Engaging in Difficult Dialogues at the Organizational Level of Neuropsychological Training and Practice
3. CAGIGAS, XE — Cross-Cultural Neuropsychology: A Difficult Dialogue
4. SUAREZ, PA — Culturally Meaningful Feedback: A Difficult Dialogue in the Making
5. MADORE, MR — Unequal Positions of Power: Initiating Difficult Dialogues in the Trainee and Supervisor Relationship
6. FERNANDEZ, AL — Translating measures for use across international settings: A critical analysis of current approaches

1:30–3:00 PM **Poster Symposium in Honor of Maureen Dennis**
Centennial Ballroom Foyer

Acquired Brain Injury (TBI/Cerebrovascular Injury & Disease - Child)

1. MAXWELL, E — The Role of Anxiety, Family Burden, and Executive Functioning on Mathematical Performance in Children with Traumatic Brain Injury
2. SINOPOLI, K — "Is My Child Self-Aware?" Metacognitive Knowledge of Post-Injury Sequelae Following Childhood Traumatic Brain Injury
3. WILKINSON, A — Predicting Attention Problems in the First Year Following Pediatric Traumatic Brain Injury (TBI)
4. HARIK, L — The Impact of Pediatric Traumatic Brain Injury on Written Expression: a Diffusion Tensor Imaging Study Utilizing Tract-Based Spatial Statistics
5. TREBLE-BARNA, A — Classroom Functioning Following Traumatic Brain Injury in Young Children
6. TREBLE-BARNA, A — Parenting Practices as a Time-Varying Moderator of Executive Dysfunction Following Traumatic Brain Injury in Young Children
7. SIMIC, N — Predicting Executive Function Following Pediatric Traumatic Brain Injury (TBI)

Autism Spectrum Disorders

8. HUBER, J — Toward Social and Cultural Competence in Developmental Pediatrics: Parents' Perceptions of The Autism Diagnostic Observation Schedule

Cancer

9. EDELSTEIN, K — Longitudinal Effects of Radiation on Neurocognitive Functions in Adults with Primary Brain Tumors

Cognitive Neuroscience

10. BRADLEY, KA — Corpus Callosum Microstructure and Auditory Interhemispheric Transfer in Spina Bifida Myelomeningocele

Learning Disabilities/Academic Skills

11. FERNANDEZ, V — Cortico-cerebellar connectivity in reading impaired children: A probabilistic tractography study

Medical/Neurological Disorders/Other (Child)

12. SIMIC, N — White and Grey Matter Relations to Simple, Choice, and Cognitive Reaction Time in Spina Bifida
13. ARRINGTON, C — The Effects of Shunt Revisions on Intelligence in Congenital Hydrocephalus: A Meta-Analysis
14. CIRINO, PT — Predictors of Academic Fluency in Spina Bifida Myelomeningocele
15. KULESZ, PA — Attention in Spina Bifida Myelomeningocele: Relations with Brain Volume and Integrity

1:30–3:00 PM **Poster Session 6: Assessment-Child, Dementia (AD), & Medical/ Neurological Disorders-Child**
Centennial Ballroom Foyer

Assessment/Psychometrics/Methods (Child)

1. DE GYVES, G — Exploring decision-making in children from 6 to 9 years old using a risky choice task
2. RAI, JK — The ecological validity of neuropsychological tests of executive function in children with Fetal Alcohol Spectrum Disorder (FASD)
3. SOUBBOTINA, M — Clinical Utility of the BDEFS-CA ADHD-EF Index in Classifying Children with ADHD
4. FERENC, L — Construct Validity of the BRIEF-P for Teacher-Rated Executive Functions
5. HERTING, N — Neuropsychological, Academic Achievement, and Behavioral Differences Between the CBCL Pediatric Bipolar Profile, ADHD, and Emotionally Normal Controls
6. BERL, M — Everyday Executive functioning in Focal Pediatric Epilepsy on the Revised BRIEF

7.	RIEGER, RE	Associations among Maternal Depressive Symptoms, Interactive Behaviors, and Child Development in Very Low Birth Weight and Normal Birth Weight Preschoolers
8.	ERICKSON, KT	A Comparison of Social Cognitive Deficits in Children with Autism Spectrum Disorder and At-Risk for Pediatric Bipolar Disorder
9.	BUCHHOLZ, B	Verbal Memory Evaluation by the Immediate Post-Concussion Assessment and Cognitive Testing (ImPACT) and the California Verbal Learning Test Children's Version (CVLT-C) in Patients Presenting With Concussion
10.	WALSH, KS	Executive Function Profiles in Children with Neurofibromatosis Type 1 Compared with Healthy Children on the Behavior Rating Inventory of Executive Functions-2
11.	WALSH, KS	Executive Function Profiles in Pediatric Cancer Survivors Compared with Healthy Children on the Behavior Rating Inventory of Executive Functions-2
12.	MESSER, M	Development and Reliability of a New Academic Achievement Battery
13.	MESSER, M	Development and Reliability of a Revised Behavior Rating Inventory of Executive Function (BRIEF)
14.	SNYDER, AR	Normative Values and the Impact of Demographics at Baseline for the Sport Concussion Assessment Tool (SCAT3) in Teenagers

Dementia (Alzheimer's)

15.	WALD, D	Spatial Disorientation in Mixed Alzheimer's Disease and Vascular Dementia
16.	TSUI-CALDWELL, Y	Schelten et al. Ratings for Mesial Temporal Lobe Atrophy in the Cache County Study on Memory Health and Aging
17.	GRABYAN, JM	Enhancing Prediction of Longitudinal Decline in Instrumental Activities of Daily Living in Alzheimer's Patients Using Functional and Cognitive Pre-progression Estimates
18.	SMITH, TJ	Effects of a 12-week Exercise Intervention on Default Mode Network Connectivity in MCI and Healthy Elders
19.	MARREIRO, CL	The Effect of Depression and Behavioral Disturbance on Cognitive Change in Diverse Older Persons
20.	GURNANI, A	The Differential Effects of Alzheimer's Disease on Cognitive Performance: A Meta Analysis
21.	SANDERS, CL	Nutritional Status and Neuropsychological Functioning in Persons with Dementia: The Cache County Dementia Progression Study
22.	HEGDE, K	Rethinking the File Drawer Problem of Null Findings: Vascular Burden Did Not Predict Dementia in a Nationally Representative Sample of Older Adults
23.	FARLEY, SV	RBANS Total and Memory Scores Differentiate AD from MCI and Other Dementia Subtypes
24.	FLOWERS, AT	Effects of Demographic and Cognitive Factors on an Observation-Based Daily Functional Test
25.	CLEM, M	Baseline Neuropsychiatric Symptoms and Stability of Mild Cognitive Impairment
26.	JENNETTE, KJ	The Association of Cognitive Endophenotypes and Risky Single Nucleotide Polymorphisms of Alzheimer's Disease within the Alzheimer's Disease Neuroimaging Initiative (ADNI) Database
27.	VILA-CASTELAR, C	Short-Term Efficacy of Cholinesterase Inhibitors in Alzheimer's Disease Measured by Sensitive Tasks of Attention
28.	TRAVIS SEIDL, JN	Cognitive and Functional Correlates of Neuropsychiatric Syndromes in Mild Alzheimer's Disease
29.	DURANT, J	Relationship between the Activities of Daily Living Questionnaire and the Montreal Cognitive Assessment
30.	HOWIESON, D	Stability and Prognostic Value of Memory Complaints in Older Adults
31.	MIZUKI, BM	DRS-2 Construction and Memory Scores Differentiate Between Alzheimer's Disease and Parkinsonian Dementias
32.	PERRY, CE	Association between cognition and latent toxoplasmosis in healthy older adults and in Alzheimer's disease
33.	PERRY, CE	Association between latent toxoplasmosis and Alzheimer's disease
34.	HASSENSTAB, J	Cognitive Performance in the Dominantly Inherited Alzheimer Network (DIAN)
35.	FARRELL, M	Windows of Awareness in Alzheimer's disease: Insight into Word-finding Difficulty Brings Memory Deficits to Light
36.	NATION, DA	Elevated pulse pressure is associated with tau-mediated neurodegeneration, cerebral amyloidosis, and progression to dementia in the very-old
37.	BUTTS, AM	Amyloid PET confirmed Alzheimer's disease: Neurocognitive differences in Logopenic Progressive Aphasia vs. Dementia of the Alzheimer's Type
38.	MELROSE, RJ	Distinct Patterns of Structural and Functional Connectivity in Amnestic and Non-amnestic Early Onset Alzheimer's Disease
39.	TRIVEDI, MA	The relationship between oral versus written discrepancy scores on the symbol digit modalities test (SDMT) and fMRI activation during SDMT performance and white matter integrity in middle aged adults with a parental history of Alzheimer's disease (AD): Influence of APOE genotype
40.	BOOTS, EA	Occupational Complexity and Cognitive Reserve in Middle-aged Adults at Risk for Alzheimer's Disease
41.	ALVERSON, WA	Characteristics Associated with Cognitive Asymmetry in a Large Sample of Alzheimer's Disease Patients
42.	GIFFORD, K	Ambulatory blood pressure variations relate to greater subjective cognitive decline in older adults: The Vanderbilt Memory & Aging Project
43.	WEISSBERGER, G	Longitudinal Semantic Fluency Performance in Hispanic Older Adults in the Early Stages of Alzheimer's Disease
44.	ELIASSEN, CF	Hippocampal subfield atrophy in multi-domain, but not in amnestic mild cognitive impairment

3:00–3:15 PM **Coffee Break**
Centennial Ballroom Foyer

3:15–4:45 PM **Invited Symposium: The Young Damaged Brain: A Symposium in Honor of Maureen Dennis**
Organizers: Jack M. Fletcher, Brenda Spiegler
Discussant: Erin D. Bigler
Centennial Ballroom (D-E)

1.	FLETCHER, JM	The Young Damaged Brain: A Symposium in Honor of Maureen Dennis
2.	TURKSTRA, L	Different Routes to Pragmatic Communication Impairment in Adolescence
3.	SCHACHAR, RJ	Etiology of Attention Deficit Hyperactivity Disorder (ADHD): Lessons from Cognitive Function and Traumatic Brain Injury
4.	JURANEK, J	The Cerebellum in Neurodevelopmental Disorders
5.	TAYLOR, HG	Plasticity of Function After Childhood Brain Injury

3:15–4:45 PM **Paper Session 6: TBI - Functional Imaging**
Moderator: Michael Larson
Centennial A

1.	HAMMEKE, TA	Recovery of Functional Brain Networks Following Sport-Related Concussion
2.	JIVANI, S	Effects of Injury Severity on Default Mode Network Volume in Pediatric Traumatic Brain Injury and the Relationship to Attention
3.	ZHAVORONKOVA, L	Brain Functional Connectivity in Traumatic Brain Injury Patients and Healthy Persons
4.	ELLIS, M	Differential Outcomes in Neural and Cognitive Functioning in Children with Moderate-to-Severe Traumatic Brain Injuries: The UCLA RAPBI Study of Event-Related Potentials

3:15–4:45 PM **Symposium 11: The Psychometric Assessment of Dementia and Related Conditions using the Latent Variable "δ"**
Chair: Donald Royall
Centennial B-C

1.	ROYALL, DR	The Psychometric Assessment of Dementia and Related Conditions using the Latent Variable "δ"
2.	ROYALL, DR	Welcome Back to Your Future: δ's Rationale and Very Ancient History
3.	PALMER, RF	Future Dementia Status is Almost Entirely Explained by the Latent Variable δ's Intercept and Slope
4.	GAVETT, BE	Neuropathology Mediates Age, Race, and APOE effects on δ in Pathologically Confirmed AD
5.	KOPPARA, A	Validation of the latent dementia phenotype δ in a German Sample with clinical data, CSF and neuroimaging biomarkers
6.	ROYALL, DR	The 'd' Evolution of Cognitive Assessment

3:15–4:45 PM **Panel Discussion: The Use of Neuropsychological Instruments in Research, Presented by the INS Student Liaison Committee**
Presenters: David Libon, Cecil Reynolds, Robert K. Heaton, Sandra Weintraub
Centennial F

3:15–4:45 PM **Symposium 12: How Your Network Shapes Your Science and Vice Versa: New Ways to Think about Advancing Your Research Career and Obtaining Funding**
Chair: Lynne Padgett
Centennial G-H

1.	PADGETT, LS	How Your Network Shapes Your Science and Vice Versa: New Ways to Think about Advancing Your Research Career and Obtaining Funding
2.	PADGETT, LS	Portfolios and Project Officers: Learning about Grant Funding at the National Cancer Institute
3.	HOROWITZ, T	I Went from Principal Investigator to Program Officer, and You'll Never Guess What I Learned about the Granting Process!
4.	AHLES, T	Obtaining Grant Funding: Taking Advantage and Creating Opportunities

3:15–4:45 PM **Poster Symposium: Anterograde Memory Disorder As Disconnection Syndrome**
Chair: J. Michael Williams
Centennial Ballroom Foyer

Memory Functions

1. WILLIAMS, J — Anterograde Memory Disorder As Disconnection Syndrome
2. WILLIAMS, J — The Hippocampus As a Cortical Interface Derived From An Analysis of Its Structural Anatomy and Function
3. OSIPOWICZ, K — Neuroimaging Methods Used to Examine the Hippocampus, Memory and Emotion
4. MCWILLIAMS, K — Results of Resting State Functional Connectivity Studies of the Hippocampus
5. PATRICK, K — Results of Diffusion Tensor Imaging studies of the Hippocampus and Emotion
6. TART-ZELVIN, A — Results of fMRI Studies of the Hippocampus and Emotion

3:15–4:45 PM **Poster Session 7: Behavioral Neurology, Dementia (Subcortical), & Medical/Neurological Disorders-Adult**
Centennial Ballroom Foyer

Assessment/Psychometrics/Methods (Adult)

1. HARRELL, KM — Clinical Video Telehealth Compared to Face-to-Face Assessment Using the Montreal Cognitive Assessment: Is Clinical Video Telehealth Reliable?
2. GOLDSWORTHY, R — Are Assumed Differences in Delay Discounting and Delayed Gratification Due to Procedural Variance?

Behavioral Neurology/Cerebral Lateralization/Callosal Studies

3. HARMS, V — Put Your Best Side Forward: The Effect of Facial Attractiveness Asymmetry on Posing Biases
4. ADAMS, SW — Movement Disorder Symptoms Associated with Unified Parkinson's Disease Rating Scale (UPDRS) in Two Manganese (Mn)-Exposed Communities
5. UPSHAW, J — Connecting the Disconnected: Importance of an Integrated Approach to Neuropsychological Evaluation in a Patient with ACC
6. GHILAIN, CS — Assessing DBS Candidacy in Idiopathic PD: Do Emotional Factors Influence Outcome?
7. BAYNARD, J — The Effect of Social Isolation on Aggressive Behavior and Cannabinoid Receptors in the Amygdala
8. ELLISON, RD — Late-Onset Rasmussen's Encephalitis: A Neuropsychological Case Study
9. ANDERSON, SA — Assessing DBS Candidacy in Idiopathic Parkinson's Disease: The roles of education and ethnicity

Cancer

10. ROBINSON, KE — Psychosocial Functioning Following Pediatric Brain Tumor: Contribution of Executive Function, Brain Activation, and Coping to Predicting Outcome

Dementia (Subcortical, Specific Disorders, MCI, etc.)

11. DEYOUNG, N — Classifying patients with and without dementia using cardiovascular risk factors
12. FONG, CH — Procedural-Based learning in Parkinson's Disease Motor Subtypes
13. MURRAY, L — Behavioral and Neural Correlates of Word Retrieval Treatment for Dementia
14. ORD, AS — Adaptive Behavior, Practical Judgment, and Cognitive Functioning in Older Adults
15. ORD, AS — A Factor Analysis Cross-Validation of the Dementia Rating Scale-2
16. PABÓN, R — Stability of MCI Patient Centered-Outcomes Following Intervention
17. HESSEN, E — Cognitive profiles in MCI and newly diagnosed and unmedicated Parkinson disease
18. MECHANIC-HAMILTON, D — Executive Function, Memory and Partner Report of Everyday Functioning in Healthy Controls, MCI and AD
19. STEED, D — Differential Predictive Influence on the Development of Dementia: Depression and Neuropsychiatric Symptoms
20. SELIGMAN, SC — Differences in Subtle and Overt Everyday Action Error Patterns in Healthy Aging, Mild Cognitive Impairment, and Alzheimer's Disease
21. THORGUSEN, SR — Examining a Theoretical Model of Practice Effects and Cognitive Decline: Contributions of Learning and Response to Task Novelty
22. FYOCK, CA — Comparing the Relationship between the Memory Assessment Clinic Memory Scales, Objective Memory Performance, and Medial Temporal Lobe Volumes in MCI patients
23. SCHAEFER, LA — Imaging-Diagnosed Normal Pressure Hydrocephalus in a Patient Initially Presenting with Psychiatric Symptoms
24. BISS, RK — A Novel Method to Improve Face-Name Memory in Older Adults with Age-Normal Memory and aMCI
25. BANGEN, KJ — Impact of cerebrovascular risk on brain amyloid-β, cerebral blood flow, and neuropsychological functioning in normal aging and mild cognitive impairment
26. LOBUE, C — Self-reported History of Head Injury and Age of Diagnosis in Dementia

27.	TIMPANO SPORTIELLO, MR	Italian Network Study Group on Parkinson's Disease-Mild Cognitive Impairment (INPM): Preliminary Results
28.	WEAKLEY, AM	Automated Classification of Mild Cognitive Impairment and Dementia
29.	WEAKLEY, AM	Neuropsychological Measures Essential for Cognitive Impairment Classification Using Machine Learning
30.	SEIDENBERG, M	Longitudinal Investigation of Recent and Remote Famous Names in MCI and Healthy Participants
31.	KELLY, DA	Semantic Specificity and Memory Age of Famous Names Reflect Progression of Alzheimer's Disease
32.	FLOWERS, AT	Memory Performance in MCI Using Memory and ADL Tasks
33.	PIROGOVSKY TURK, E	Volumetric Correlates of Episodic Memory in Nondemented Parkinson's Disease
34.	DECK, BL	Everyday Functioning in Mild Cognitive Impairment: Understanding Impairment Through Analysis of Action and Language Errors
35.	LASSEN-GREENE, CL	Mild Cognitive Impairment and Everyday Function: Longitudinal Changes in Speed versus Performance
36.	CHAN, ML	The Clinical Utility of a Behavior Rating Scale in Distinguishing Alzheimer Disease (AD) and Behavioral Variant Frontotemporal Dementia (bvFTD)
37.	EBERT, P	Proactive and Retroactive Memory Interference in Adults with Amnestic Mild Cognitive Impairment and Typically Aging Adults
38.	GARRETT, R	Relationship Between Specific Cognitive Domains and Quality of Life in Parkinson's Disease with Mild Cognitive Impairment (PD-MCI)
39.	HOLDEN, HM	Verbal Learning and Memory in Premanifest and Manifest Huntington's Disease: Evidence from the California Verbal Learning Test-II
40.	STAFFARONI, AM	Longitudinal Assessment of Cognition in Semantic Variant Primary Progressive Aphasia
41.	DE LEON, F	Prospective Memory and Functional Abilities in Healthy Aging and Mild Cognitive Impairment
42.	DE LEON, F	Contingency-Based Prospective Memory in Mild Cognitive Impairment and Dementia
43.	TIERNEY, S	Memory for Intentions Screening Test Reveals Similar Prospective Memory Performance in Huntington's and Parkinson's Disease
44.	SHERMAN, JC	Pronoun Problems in MCI: New Research Begins to Reveal the Source of Difficulty
45.	RADKE, A	Classification Accuracy of the Dynamic Affect Recognition Test (DART) in Neurodegenerative Disease
46.	PANDYA, S	Predictors of Reversion from Mild Cognitive Impairment to Normal Cognition
47.	BURKE, MM	Detrimental Impact of Traumatic Brain Injury on Visuospatial Processing and Executive Function in Parkinson's disease
48.	REYNOLDS, M	Frontotemporal Dementia: Two Case Studies
49.	NGUYEN, L	Predictors of Health-Related Quality of Life Decline in Parkinson's Disease
50.	KARANTZOULIS, S	Sensitivity of the RBANS in Parkinson's disease with and without cognitive impairment
51.	NICCOLAI, LM	Neuropsychological Predictors of Declining Financial Capacity in Persons with Mild Cognitive Impairment Due to Alzheimer's Disease
52.	COHEN, ML	The Unique and Combined Effects of Apathy and Depression on Cognition in Patients with Parkinson's Disease
53.	CERBONE, B	The Relationship between MOCA Scores and Performance on the RBANS and NAB in Parkinson's Disease with and without Cognitive Impairment

Medical/Neurological Disorders/Other (Adult)

54.	KIRTON, JW	Moderating effects of age and education on the relationship between body mass and memory function in community adults
55.	BONO, AD	Demographic and Clinical Predictors of Facial Expressivity Improvement for Individuals with Parkinson's Disease (PD) Receiving the Lee Silverman Voice Treatment (LSVT)
56.	PERSAD, C	Relationship between depression and apathy post Deep Brain Stimulation Surgery in patients with Parkinson's disease
57.	SCHWAB, N	Preliminary Data: White Matter Burden and Processing Speed Relative to Acute Pre to Post Surgery Decreases in Default Mode Network
58.	DEMIAN, M	Health Literacy and Cognition in Kidney Transplant Recipients
59.	MANDERINO, L	Traditional Cognitive Deficiencies Predict Impaired Performance on an Emotion Recognition Task in Bariatric Surgery Candidates
60.	THOMPSON, J	Additive Effects of Comorbid Psychiatric Disorders Post-TBI on Aspects of Cognition
61.	PATERSON, TS	Ill-Structured EPS Ability Predicts Medication Adherence Above and Beyond Well-Structured EPS and Traditional Measures of Intelligence in Renal Transplant Patients
62.	WAGNER, M	Too quiet: A case of auditory Charles Bonnet Syndrome
63.	YEN, K	Effects of Glucose Levels on Information Processing in College-Aged Adults
64.	TAN, A	Effects of High Blood Pressure on Executive Function in College-Aged Adults
65.	HARCIAREK, M	What do the event-related potentials tell us about the anterior attentional system in dialyzed patients with end-stage renal disease?
66.	HARCIAREK, M	Anterior attentional/executive system in adequately hemodialyzed patients with end-stage renal disease. Evidence from the ROBBIA
67.	IKANGA, JN	The Association Between the years of Essential Hypertension and Memory
68.	FLODEN, D	Mattis Dementia Rating Scale-2 Does Not Predict Quality Of Life After Subthalamic Nucleus Deep Brain Stimulation

69. COOK, SE — Characterizing the Neurocognitive Profile of Parkinson Disease with Freezing of Gait
70. BRENNAN, L — Effects of Memantine on Cognition in Parkinson's Disease Dementia and Dementia with Lewy Bodies: A Meta-Analytic Review
71. MISKEY, HM — Neuropsychological Assessment of a Veteran with a Large Arachnoid Cyst
72. ALTMANN, LJ — Effects of an Aerobic Exercise Intervention in Parkinson's Disease
73. KRAUSKOPF, EE — The Impact of Cerebral Microemboli on Cognitive Function Following Bubble-Contrast Transcranial Doppler for Evaluation of Cardiac Shunt
74. JONES, J — Latent Growth Curve Analysis Reveals Worsening Parkinson's Disease Quality of Life is Driven by Depression
75. RENN, BN — Screening for Cognitive Impairment in a Diabetic Primary Care Sample
76. DODDS, A — The Relation Between Apathy and Quality of Life in Parkinson's Disease
77. CHERRY, BJ — Cognitive Clusters in Fibromyalgia, A Chronic Pain Condition
78. MILLER, JS — A Clinical Profile of Dysautonomia in Parkinson's Disease for Individuals with and without Deep Brain Stimulation
79. CALVO, D — Obesity does not influence effects of fasting on attention and executive function
80. WYMAN-CHICK, K — Effects of bilateral deep brain stimulation on verbal fluency in patients with Parkinson's disease: A meta-analysis
81. COPELAND, JN — Accuracy of Patient And Care Partner Reports Regarding Specific Cognitive Functions: Implications for Diagnosis of Mild Cognitive Impairment in Parkinson's Disease
82. KIEWEL, NA — Can We Evaluate Visual Memory in Parkinson's Disease?
83. ROCHETTE, AD — Gender is Associated With Memory Task Performance in Older Adults With Heart Failure
84. RYAN, AB — Influence of Depression on the Different Aspects of Quality of Life in Parkinson's
85. ALOSCO, M — Preliminary Evidence for the Adverse Impact of Depressive Symptoms on Driving Fitness in Older Adults with Heart Failure
86. PIPER, L — Neuropsychological Profiles in Adults with Sickle Cell Disease
87. BUTTERFIELD, LC — The Parkinson's Active Living (PAL) Program: A Behavioral Intervention Targeting Apathy in Parkinson's Disease
88. FISCHER, M — Profound Memory Impairment as Rare Complication Following Bariatric Surgery
89. SORDAHL, J — The Relationship Between Body Mass Index and Processing Speed
90. GRANT, M — Examining the Efficacy of Brief Adherence Interventions for Individuals with Phenylketonuria
91. REYNOLDS, GO — Gender Differences in Verbal Learning in Parkinson's Disease
92. HOTH, KF — Nocturnal Oxygen Desaturation and Cognitive Performance in COPD
93. ZIEGLER, D — DRD2 Polymorphisms Confer Increased Risk of Behavioral Impulsivity in Parkinson Disease

5:00–6:00 PM — **INS Presidential Address: Networks, Neural Connectivity and Neuropsychology**
INS President: Erin D. Bigler
Centennial Ballroom (D-E)

1. BIGLER, ED — Networks, Neural Connectivity and Neuropsychology

6:00–6:30 PM — **INS Business Meeting**
Centennial Ballroom (D-E)

6:30–7:30 PM — **Friday Evening Reception**
Capitol Ballroom (4th Floor)

SATURDAY, FEBRUARY 7, 2015

7:20–8:50 AM — **CE 11: How Neurons Enable Language and Cognition**
Presenter: Stephen E. Nadeau
Centennial G-H

1. NADEAU, SE — How Neurons Enable Language and Cognition

7:20–8:50 AM — **CE 12: Neurobiology of Socioemotional Behavior in Health and Neurologic Disease**
Presenter: Katherine P. Rankin
Centennial B-C

1. RANKIN, KP — Neurobiology of Socioemotional Behavior in Health and Neurologic Disease

9:00–10:30 AM **Invited Symposium: Exploring the Function and Dysfunction of the Brain's Default Network**
Chair: Jessica Andrews-Hanna
Centennial Ballroom (D-E)

1. ANDREWS-HANNA, J — Exploring the Function and Dysfunction of the Brain' Default Network
2. GRADY, C — Age Differences in the Functional Connectivity of the Default Network
3. IRISH, M — The Wandering Mind Standing Still – Exploring the Functional Properties of the Default Network in the Dementias
4. GABRIELI, S — The Default Mode Network and Psychopathology

9:00–10:30 AM **Paper Session 7: Veteran Populations**
Moderator: David Tate
Centennial A

1. PAGULAYAN, K — The Impact of Repeated Blast-Related mTBI on Brain Activation During a fMRI Working Memory Task
2. SORG, S — Frontothalamic Structural Connectivity in Veterans with Mild Traumatic Brain Injury: Associations with Executive Functions
3. JAK, AJ — Neuropsychological performance in treatment seeking OEF/OIF/OND Veterans with a history of mild TBI
4. GRANDE, LJ — Impaired Verbal Memory Associated with Close Blast Exposure in OEF/OIF Veterans
5. SADEK, JR — Changes in Executive Functioning with Successful PTSD Treatment
6. WISDOM, NM — An Examination of Cognitive Deficits after Controlling for Respondent Validity in Veterans with Chronic PTSD

9:00–10:30 AM **Symposium 13: Using the NIH Toolbox for Neuropsychological and Behavioral Functioning in Individuals who have Disabilities**
Chair: David Tulsky
Centennial B-C

1. TULSKY, DS — Using the NIH Toolbox for Neuropsychological and Behavioral Functioning in Individuals who have Disabilities
2. GERSHON, R — Overview and update on what is new with Toolbox
3. TULSKY, DS — Using the NIH Toolbox Cognitive Battery (NIHTB-CB) in individuals who have had Traumatic Brain Injury (TBI)
4. CARLOZZI, NE — An Examination of the NIH Toolbox Motor, Sensory and Emotion Batteries in Individuals with Disabilities
5. CASALETTO, KB — Uncorrected versus Demographically-Adjusted Scores on the NIH Toolbox Cognition Battery: What is the Difference?
6. HEINEMANN, AW — Relationships between NIH Toolbox Cognition and Emotional Measures and Indicators of Participation for Community-Dwelling Persons with Stroke, Spinal Cord Injury and Traumatic Brain Injury

9:00–10:30 AM **Paper Session 8: Aging**
Moderator: Katherine Gifford
Centennial F

1. JOANNETTE, M — Neuropsychological Performance of Normal Elderly with Significant β-amyloid Deposition: a PiB-PET Imaging Study
2. MANNING, KJ — Navigation Driving and Vehicle Control in Healthy Older Adults and Subjective Cognitive Impairment
3. RENTZ, DM — Cognition and biomarker abnormalities in clinically normal older adults
4. HARRISON, CE — How Do Exercise and Leisure Differentially Relate to Frontal Functions of Older and Younger Adults?

9:00–10:30 AM **Poster Session 8: ABI-Child, Autism, Cognitive Neuroscience, & Electrophysiology/EEG**
Centennial Ballroom Foyer

Acquired Brain Injury (TBI/Cerebrovascular Injury & Disease - Adult)

1. ALOSCO, M — Reductions in Physical Activity Predict Cognitive Decline in Older Adults with Heart Failure

Acquired Brain Injury (TBI/Cerebrovascular Injury & Disease - Child)

2. CARRATHERS, T — Impact of Age on Neuropsychological Measures Among Youth with Acute Concussions

3.	DIDIANO, R	Gender Differences in BASC-2 Self and Parent Rating Scales after Concussion
4.	DIDIANO, R	Gender Differences in Naming Tasks Following Concussion
5.	HEINKS, T	Sleep is related with post-acute socio-behavioral outcome after pediatric mild traumatic brain injury
6.	WOJTOWICZ, M	Concussion History in High School Athletes with Attention Deficit Hyperactivity Disorder
7.	BIEKMAN, B	Resilience and Brain Imaging in Pediatric Traumatic Brain Injury
8.	SOTOMAYOR, JA	Variability of Recovery in a Pediatric Concussion Sample
9.	MIETCHEN, JJ	Fractional Anisotropy of the Ventral Striatum Following Moderate to Severe Traumatic Brain Injury in Children
10.	WISE, J	Word Fluency and Reading Comprehension in Young Children with Orthopedic and Traumatic Brain Injury
11.	COMBS, HL	Irritability and Aggression as Indicators of Persistent Post-Concussive Symptoms in Adolescent Athletes
12.	BERNSTEIN, J	Benefits of Aerobic Training for Concussion in Adolescents: a Preliminary Report of a Pilot Randomized Clinical Trial
13.	GAGNER, C	Are Behavioural Problems Following Mild TBI in Preschoolers Associated with Theory of Mind?
14.	GAGNER, C	The Relationship between Emerging Behavioral Problems and Parental Distress following Mild Traumatic Brain Injury in Early Childhood
15.	MCNALLY, KA	Effectiveness of a Brief Cognitive Behavioral Intervention for Children and Adolescents with Prolonged Post-Concussive Symptoms
16.	PETERSON, RL	Pre-Injury Anxiety and Postconcussive Problems in a Pediatric Sample
17.	PEARCE, K	Near Point Convergence and Concussion: Demographic and Neurocognitive Findings
18.	FARRER, TJ	Chronic MRI Findings, Ventromedial Prefrontal Cortex (vmPFC) Volume, and Behavioral Functioning in a Pediatric Sample with Complicated Mild Traumatic Brain Injury
19.	BLAHA, RZ	PTSD Symptoms After Complicated Mild to Severe TBI in Adolescence: What Role does Memory of Injury Play?
20.	KEENER, W	The Relationship Between Post-Concussion Symptoms and Psychological Status in Children and Adolescents With Prolonged Recovery Following Mild Traumatic Brain Injury
21.	RANSOM, D	Evidence-Based Assessment of Cognitive Exertion and Academic Problems during Concussion Recovery
22.	RANSOM, D	Modeling Academic Effects of Concussion with Evidence-Based Assessment of Executive Functions
23.	ZAYAT, M	The Effectiveness of Concussion Education in Youth: A Pilot Study
24.	VARGAS, G	Correlates of Prolonged Recovery After Pediatric Concussion
25.	NARAD, M	Changes in Parent-Teen Interactions and Family Functioning During the Initial 24 Months Post Traumatic Brain Injury
26.	GRETENCORD, AA	Gender Differences in Postconcussive Symptoms of Sport-related Concussions in Children and Adolescents
27.	LALONDE, G	The Quality of Mother-Child Interactions Six Months Post-TBI in Preschool Children
28.	SUFRINKO, A	The Influence of Sleep Duration and Sleep-related Symptoms on Baseline Neurocognitive Performance among Male and Female High School Athletes
29.	ROBERTS, RM	What White Matter Tracts are Most Affected by Pediatric TBI? A Meta-analysis of Diffusion Tensor Imaging (DTI) Research
30.	AMAYA-HODGES, M	Factor Structure of BRIEF Parent and Self-Report Forms for Monitoring Recovery in Children with Concussion
31.	AMAYA-HODGES, M	Relations between Adolescents' Anxiety and Post-Concussion Symptom Reports
32.	HARTLEY, N	The Mediating Role of Traumatic Brain Injury on the Relationship between Temperament and Psychopathology in Urban Homeless Youth
33.	GIOIA, GA	Evidence-Based Approach to Detecting Concussion in Children: Combining Symptom Reports and Cognitive Performance

Autism Spectrum Disorders

34.	ADACHI, S	Language Development in School-aged Children with Pervasive Developmental Disorders: Examining Relationships among Syntactic, Vocabulary, and Speech Abilities
35.	ACOSTA, MT	Autism Spectrum Disorders (ASD) in Neurofibromatosis Type 1 (NF1): Clinical and Neurobiological correlations
36.	CASTELLUCCIO, B	Characterizing the White Matter Tract Integrity of Youth with a History of Autism Spectrum Disorder Who Have Achieved Optimal Outcome
37.	STEPHENSON, K	Alexithymia as a Predictor of Dimensional Scales of Autism Symptoms
38.	HEFFELFINGER, A	Factors Influencing Age of Evaluation for Autism
39.	MAISEL, M	Dispositional Mindfulness Predicts Anxiety in People Diagnosed with Autism Spectrum Disorder
40.	MACMULLEN FREEMAN, L	The Association between Executive Functions and Social Skills in Children with Autism Spectrum Disorder
41.	CARLEW, AR	Title: The Virtual Reality Classroom for the Assessment of Autism Spectrum Disorders
42.	PAGE, MJ	Executive Functioning Profiles in a Clinical Sample of Youth With and Without Autism
43.	BRADBURY, K	A Comparison of High- and Low-Risk Children with Autism Spectrum Disorder
44.	MOULTON, E	Developmental Trajectories in Toddlers with ASD
45.	LEE, C	Visuomotor adaptation in children with Autism Spectrum Disorders
46.	PATRICK, K	Driving Behaviors of Young Adults with Autism Spectrum Disorders

47. WAGNER, AE — Neurocognitive Subtypes of ASD
48. RICHARD, AE — Visual Attention Shifting in Autism Spectrum Disorders
49. SEPPÄ, ER — The Association between Autism Spectrum Traits and Visual Processing in Young Adults with Very Low Birth Weight: The Helsinki Study of Very Low Birth Weight Adults
50. DUFFIELD, T — Trails Performance in ASD
51. HAISLEY, LD — Executive Functioning Deficits Associated with Parenting Stress: Parents of Children with ASD
52. ABRAMS, DN — Early Child Characteristics Predict Transition from ASD to Non-ASD
53. KENWORTHY, L — The Executive Function Challenge Task (EFCT): A Lab-based Observational Measure of Flexibility and Planning in Typically Developing Children and Those with Autism Spectrum Disorder

Cognitive Neuroscience

54. BROOKS HOLLIDAY, S — Specialized Training in Neuropsychology: A Review of Doctoral-Level Programs
55. SABBAH, LE — Distinction Between Dopamine and Norepinephrine Related Tasks
56. SMITH, AL — Cognitive Dysfunction among Adults with Hyperglycemia
57. KENNEDY, Q — The STEP Model: Characterizing Simultaneous Time Effects on Practice for Flight Simulator Performance Among Middle-Aged and Older Pilots
58. TOPPING, KM — Gender Role Beliefs Mediate Priming Effects of Gender-Congruent Verbal Fluency Task
59. CONSIDINE, CM — The Influence of Sleep Quality and Health Behaviours on Mood and Attention
60. CONSIDINE, CM — Objective and Subjective Sleep Quality Determinants of Cognitive and Negative Affective Processing Performance in Good vs. Bad Sleepers
61. JENKINS, LM — Effects of Music on Pleasure and Cognition During Functional Brain Imaging
62. SAAVEDRA, F — Verbal Cognition as a Predictor of Adaptive Behavior in Children with Cochlear Implants
63. MOON, C — Sleep Apnea and Grey Matter Volume in Individuals with Heart Failure: A Voxel-Based Morphometric Analysis
64. SHANE, B — The Contribution of General Intelligence and Emotional Intelligence to the Ability to Appreciate Humor
65. CARBINE, K — A Comparison of Neuropsychological Functioning in Major Depressive Disorder, Generalized Anxiety Disorder, Obsessive Compulsive Disorder, and Healthy Controls
66. ZIEGLER, D — Dynamic Interplay Between Distractions and Internally- and Externally-directed Attention
67. KAEMMERER, T — Age-Related Differences in Implicit Motor Sequence Learning: Exploring the Influence of Embedded Associative Structure
68. KARPOUZIAN, T — Neural Correlates of Working Memory Capacity
69. PISNER, D — Visuospatial reasoning mediates the relationship between emotion recognition and emotional intelligence
70. LETZEN, JE — Temporal Differences in the Relationship Between Dorsal and Ventral Attention Networks Based on Pain Intensity
71. GRILLI, MD — The Contribution of Memory to the Self-Concept in Amnesia
72. MARKOWSKI, S — Sleep Onset Latency and Duration are Associated with Self-Perceived Invincibility
73. ROSEN, AC — Effect Of Phonemic Cuing On Recall Of Personally Relevant Names Derived From Email
74. LAMAR, M — Cognitive and Neural Efficiency: What Planning and Organization Behaviors Reveal About Brain Connectivity and the Human Connectome
75. REINEBERG, A — Meta-analytic Function of Brain Regions Predicts Resting-state Connectivity
76. SALAZAR, R — Effects of Cognitive Deficits on Gait in Parkinson's Disease
77. TARHAN, LY — Action Understanding and Production: Common and Distinct Neural Substrates
78. BURKAUSKAS, J — Cardioselective Beta-blockers Effect Cognitive Functioning in Coronary Artery Disease Patients

Electrophysiology/EEG/ERP

79. STEFANATOS, G — Disassociation of steady-state and transient evoked response findings in Word Deafness
80. KAIS, LA — Anxiety Influences Neural Correlates of Inhibitory Control
81. MANGAL, P — Emotional Memory, the Late Positive Potential, and Parkinson's Disease
82. NIERMEYER, M — Effects of Task Novelty on Cognitive Contributions to Planning Times and EEG Activity During Complex Motor Sequencing
83. CLAYSON, PE — Effects of Dopamine Precursor Depletion on Feedback-Related Performance Monitoring
84. CLAWSON, A — Reversal Learning in Autism: Neural and Behavioral Performance Monitoring
85. MITCHELL, MB — ERP Age Effects during Face-Name Recognition: Relation to Neuropsychological Test Performance

10:30–10:45 AM — **Coffee Break**
Centennial Ballroom Foyer

10:45 AM–12:15 PM — **Paper Session 9: Cognitive Neuroscience**
Moderator: Scott Langenecker
Centennial A

1. VAN ZANDVOORT, MJ — Stimulation of Supplementary Eye Fields induces temporary neglect during awake neurosurgery

2.	IARIA, G	Developmental Topographical Disorientation is associated with Decreased Functional Connectivity between the Hippocampus and Prefrontal Cortex
3.	RYMAN, SG	Structural Network Hub Connectivity Predicts Intelligence
4.	TRACY, JI	Pre-surgery resting-state graph-theory measures predict neurocognitive outcomes after brain surgery in temporal lobe epilepsy
5.	JAKOBSEN, E	Individual In Vivo Sub-parcellation of Broca's Region Using Functional Connectivity Glyphs
6.	YEO, RA	Rich Club connectivity and executive function in healthy controls and individuals with schizophrenia

10:45 AM–12:15 PM

Symposium 14: The Many Faces of Memory Disorders: Video Case Examples and Neuroanatomical Correlations

Organizers: Kathleen Y. Haaland, Russell M. Bauer
Discussant: Michael Kopelman
Centennial B-C

1.	HAALAND, KY	The Many Faces of Memory Disorders: Video Case Examples and Neuroanatomical Correlations
2.	VERFAELLIE, M	The Many Faces of Memory Disorders in the Context of Contemporary Memory Theory
3.	HAALAND, KY	Medial Temporal Lobe Syndrome: Amnesia in an Anoxic Patient after Cardiac Arrest
4.	O'CONNOR, MG	Wernicke Korsakoff's Syndrome: Contributions to Models of Memory
5.	DELUCA, J	Profound Amnesia and Confabulation following Anterior Communication Artery Aneurysm
6.	BAUER, RM	When Working Memory Isn't Working: Profound Retrieval Deficits in a Case of Early-Onset Pick's Disease
7.	KOPELMAN, M	Discussion

10:45 AM–12:15 PM

Poster Session 9: Assessment-Adult, Cognitive Intervention/Rehab, & Visuospatial/Neglect

Centennial Ballroom Foyer

Assessment/Psychometrics/Methods (Adult)

1.	TAYLOR, JA	A Psychometric Examination of Pain Scales Commonly Used in the Management of Chronic Pain
2.	CAVANAUGH, J	Examining the Differential Effects of Natural and Synthetic Aromas of Lavender and Peppermint on Cognition, Mood, and Subjective Workload
3.	HUNTBACH, BA	Predicting Performance on Sequencing and Backward Span Tasks Using a Verbal and Non-Verbal n-Back Task
4.	OHLHAUSER, L	Comparability of the Full and Short Forms of the Personality Assessment Inventory in a Stroke Population
5.	THOMPSON, J	Grooved Pegboard and RBANS Performance: Links between Motor and Cognitive Functioning
6.	THOMPSON, J	Relationship of Finger Tapping to General Neurocognitive Functioning
7.	TOMASZCZYK, JC	Development of a Scale to Measure Patient Acceptability of Cognitive Therapy
8.	WARD, A	A Critical Evaluation of the Validity and Clinical Implications of Episodic Future Thinking
9.	GOVEROVER, Y	Actual Reality: Using the Internet to Assess Everyday Functioning after Traumatic Brain Injury
10.	TWAITE, JT	Intellectual and Cognitive Performance of Musicians and Healthy Controls: Differences on the Montreal Cognitive Assessment (MoCA) and Other Measures
11.	RUBINFELD, L	Validity and Reliability of the Dalhousie Computerized Attention Battery in Healthy Older Adults
12.	SCOTT, BM	Comparison of Psychogenic Movement Disorder Patients with Non-epileptic Seizures vs Other Hyperkinetic Motor Manifestations: An Integrated Model of Psychosocial and Neuropsychological Functioning
13.	STABLER, AR	Cross-Cultural Sensitivity of the Mini-Mental State Exam (MMSE) as a Screener for Memory Impairment
14.	PENNINGTON, CR	Personality Traits Influence Processing Speed Performance in a Neurologically Intact Population
15.	MUSIL, S	MMPI-2 Profiles in an Academic Medical Center: The Defended and the Defenseless
16.	LEGARRETA, M	Neuropsychological Performance in Veterans with Chronic Pain
17.	CAIRNCROSS, M	Neuropsychological Assessment of Decision-Making Capacity in Patients With Barriers to Communication
18.	DUNCANSON, H	Error Analysis of the TMT: Relevance to Driving Safety
19.	PIERCY, JC	Comparison of the Buschke Selective Reminding Test and the California Verbal Learning Test - Second Edition in a Stroke Population
20.	DUNN, CB	Sensitivity and Specificity of the Benson Figure as a Cognitive Screen in Older Adults
21.	LOCKWOOD, CA	Effect of Pain, Emotional Distress, and Cognition on Social Role Outcome Measures
22.	GILL, SK	Visual Naming, Age, Educational Level and WAIS-III Factorial Components Mediate Level and Pattern of Performance on the Judgment of Line Orientation Test
23.	BARRASH, J	Iowa Scales of Personality Change: Normative Data From Healthy Older Adults
24.	DEYOUNG, N	The reliability and accuracy of administering The Montreal Cognitive Assessment over telehealth
25.	VINCENT, A	Test-Retest Reliability, Practice Effects, and Base Rates of Change for the ANAM-GNS Battery
26.	FERNANDEZ, AL	Construct and Concurrent Validity of the Spanish Adaptation of the Boston Naming Test
27.	FISCHER, BL	Tele-Neuropsychology at the Madison VA Hospital: An Extension of GRECC Connect

Cognitive Intervention/Rehabilitation

71. THOMAS, KR — Effects of Wii, Aerobic Exercise and Cognitive Interventions on Older Adults' Self-Evaluation of Intellectual Aging
72. TOMASZCZYK, JC — Feasibility and Preliminary Efficacy of an Online Cognitive Environmental Enrichment Intervention for Patients with Moderate-to-Severe Traumatic Brain Injury
73. SÉGUIN, M — Ready! Set? let's Train! : Efficacy of an intensive attention training program and its association with executive functioning after childhood traumatic brain injury
74. KANG, J — Memory Skills for Older Adults with PTSD: Update on a Clinical Demonstration Project for Veterans
75. MECHANIC-HAMILTON, D — The Cognitive Fitness Program: A Novel and Comprehensive Approach to Successful Cognitive Aging
76. ERCOLI, LM — Association of baseline cognition and change in verbal memory among breast cancer survivors receiving a cognitive rehabilitation intervention
77. JONES, J — Influence of Everyday Walking on Cognition: Multilevel Modeling Analyses Results from the Village Interactive Training and Learning (VITAL) study
78. LAFO, JA — Effects of Combined Cognitive Training and Physical Exercise on Spatial Navigation and Learning in Older Adults
79. SOL, K — Somatization Predicts Self-Efficacy in mTBI, and Both Predict Post-Concussion Symptom Reporting
80. NOVAKOVIC-AGOPIAN, T — Goal-Oriented Attentional Self-Regulation Training in Veterans with Chronic TBI - Long Term Outcomes
81. FAIR, JE — Errorless and Errorful Learning in Moderate-to-Severe TBI: The Impact of Neuropsychological Functioning and Mood on Performance
82. SANDRY, J — What underlies the link between cognitive reserve and long-term memory impairment? Exploratory insight from two memory impaired populations
83. DEYOUNG, N — Should it be done? Establishing the equivalence of a telehealth versus in-person memory workshop
84. CURCIO, N — Cognitive Behavioral Therapy to Enhance Cognitive Rehabilitation Efficacy in Alzheimer's Disease
85. BOGDANOVA, Y — TMS Improves Cognitive and Neuropsychiatric Symptoms in Veterans with Blast TBI
86. JURICK, SM — Mental Health Treatment Reduces Post-concussive Symptoms and Symptom Overreporting in Iraq and Afghanistan Veterans
87. ZAHODNE, LB — External Control Beliefs Explain Racial Disparities in Reasoning Training Gains in ACTIVE
88. TWAMLEY, EW — Effects of Compensatory Cognitive Training for Veterans with Traumatic Brain Injuries: Do Comorbid Posttraumatic Stress Disorder and Depressive Symptoms Limit Improvement?

Cognitive Neuroscience

89. HARRISON, CE — Effects of Leisure on Cognition Among Older Adults

Visuopatial Functions/Neglect/Agnosia

90. RODRIGUEZ, JA — Background Distraction During Vertical Character Line Bisection
91. MOSQUERA, DM — The Center of Mass and the Edge of Attention
92. DIAZ-SANTOS, M — The Effect of Visual Cues on the Resolution of Perceptual Ambiguity in Parkinson's Disease and Normal Aging
93. BAUGHMAN, BC — I'm Pretty Sure I had a Stroke: A Case of Focal Posterior Hemispheric Dysfunction Overlooked as Non-Organic Pathology

12:30–2:00 PM — Paper Session 10: Autism
Moderator: Melissa Armstrong
Centennial A

1. DUVALL, S — Examining Gender Differences in Cognition and Phenotype in Young Children with Autism Spectrum Disorder
2. VAN STEENBURGH, JJ — Transcranial Direct Current Stimulation Enhances Working Memory and Selective Attention in High-functioning Autism
3. LAJINESS-O'NEILL, R — Aberrant Neural Synchrony in Autism Spectrum Disorders Revealed with Magnetoencephalography (MEG) During Resting State: Relationship with Core Behaviors
4. LUONG-TRAN, C — It Takes Two to Tango: Executive Control in Students with Autism Spectrum Disorder Is Affected by Teacher Behavior
5. MURDAUGH, D — The Impact of Reading Intervention on Brain Structure and Function Underlying Language in Children with Autism Spectrum Disorders
6. SOUTH, M — A Step Behind: Atypical Amygdala Activation during Fear Conditioning and Extinction in Autism Spectrum Disorders

12:30–2:00 PM — Symposium 15: Disruption of Neural Connectivity After Traumatic Brain Injury in Children: Contribution of Neuroimaging to Understanding Long-Term Cognitive and Behavioral Outcomes
Chair: Linda Ewing-Cobbs
Centennial B-C

1. EWING-COBBS, L — Disruption of Neural Connectivity After Traumatic Brain Injury in Children: Contribution of Neuroimaging to Understanding Long-Term Cognitive and Behavioral Outcomes

2.	RYAN, N	The Emergence of Age-Dependent Social Cognitive Deficits after Generalized Insult to the Developing Brain: a Longitudinal Prospective Study using Susceptibility-Weighted Imaging
3.	JOHNSON, CP	Reading Skills After Traumatic Brain Injury in Children: Relation with White Matter Pathways
4.	WILDE, EA	Neuroimaging and Long-term Recovery after Early TBI in Children: What can Tractography Reveal about Post-TBI Development?
5.	EWING-COBBS, L	Pathway Integrity and Neuropsychological Outcomes During the First Two Years after Pediatric TBI: Recovery or Persistent Deficit?

12:30–2:00 PM

Symposium 16: Exercise as Brain Medicine: State of the Science
Chair: J. Carson Smith
Discussant: Stephen Rao
Centennial G-H

1.	SMITH, J	Exercise as Brain Medicine: State of the Science
2.	SMITH, J	Exercise and Physical Activity Along the Alzheimer's Risk Continuum
3.	ERICKSON, KI	Moderators of Exercise-Related Brain Plasticity
4.	LIU-AMBROSE, T	Neuroimaging Evidence for "Central Benefit Model" of Exercise in Falls Prevention

12:30–2:00 PM

Poster Session 10: ADHD/Attention, Cancer, Language/Aphasia, Learning Disabilities/Academic, & Memory
Centennial Ballroom Foyer

Assessment/Psychometrics/Methods (Child)

1.	FERNANDEZ, AL	Validity of a Test for the Early Detection of Dyslexia in Spanish-speaking children: Test de Velocidad de Denominación

ADHD/Attentional Functions

2.	COLE, PG	WISC-IV IQ and Index Score Variability According to Severity of ADHD Symptomatology
3.	THOMPSON, J	ADHD and Incidental Learning: Demonstrated weaknesses on the Rey Complex Figure Test
4.	PETRANOVICH, CK	The Influence of Neuropsychological Aspects of Attention on Parent-reported Behavior and School Competence in Internationally Adopted Girls with a History of Institutionalization
5.	JASINSKI, L	The Clinical Utility of the Repeatable Battery for the Assessment of Neuropsychological Status (RBANS) in the Assessment of Adult ADHD
6.	PASSAROTTI, AM	Do Children with ADHD and Bipolar Disorder Differ in Terms of Executive Dysfunction?
7.	NOONAN, N	The Contribution of Sluggish Cognitive Tempo to Executive and Adaptive Functioning
8.	BITTON, A	Executive Functioning and the Role of Basic Cognitive Processes in 8-year-olds With and Without ADHD
9.	SIMONE, AN	Preschool Inattentive but not Hyperactive-Impulsive Symptoms Predict Working Memory at 8-years-old
10.	SHIN, M	Effect of Mobile-based Neurofeedback with Cognitive Training Program for Children
11.	VASSERMAN, M	Comparing Three Methods of Stroop Interference Calculations in Clinically Referred Children
12.	KIM, M	Deficits of decision-making in college students with ADHD traits
13.	KINGERY, KM	The Role of Verbal and Spatial Working Memory in Predicting Academic Performance in Children with ADHD
14.	ISQUITH, PK	Diagnostic Accuracy of a Revised Behavior Rating Inventory of Executive Function (BRIEF) for Children with ADHD
15.	SITARENIOS, G	A Revised Continuous Performance Test (CPT) for the Assessment of Attention Processes in 4–7 year-old Children

Cancer

16.	MCCURDY, MD	Treatment Intensity Predicts Self-Awareness of Executive Functioning in Young-Adult Survivors of Childhood Brain Tumor
17.	WITHROW, S	The Association of Cognitive Changes with Quality of Life in Men with Prostate Cancer Undergoing Androgen Deprivation Therapy
18.	KRYZA-LACOMBE, M	Cognitive Functions in Patients with Ovarian Cancer treated with First-Line Chemotherapy
19.	NA, S	Dorsolateral Prefrontal Cortex Activation in Adult Survivors of Pediatric Brain Tumors Relative to Controls on a fMRI Vigilance Task Over Time
20.	NA, S	Cumulative Neurological Factors Predict Long-term Outcomes in Adult Survivors of Childhood Brain Tumors
21.	VAN DYK, K	Association of Self-Reported Cognitive Complaints and Neuropsychological Performance Among Younger and Older Breast Cancer Survivors
22.	APPLE, A	Hippocampal shape deformity associated with cognitive variability in breast cancer patients
23.	GIOIA, AR	Relationships between Parent-, Teacher-, and Self-Reported Behavior Ratings and Neuropsychological Outcomes in Childhood Cancer Survivors

24. SCHAGEN, S — Late Effects of Cancer Treatment on Cognitive Function and Brain White and Gray Matter in Testicular Cancer Survivors
25. LUCCHETTI, A — Comparisons of Parent and Child Reports of Pediatric Pain, Coping, and Psychosocial Functioning in Newly Diagnosed Pediatric Cancer Patients
26. GRIECO, J — A Matched Comparison Study Assessing Longitudinal Outcome of Children with Posterior Fossa Syndrome versus those Without Complication Following Posterior Fossa Tumor Resection and Proton Radiation Therapy
27. GRIECO, J — Intellectual and Executive Functioning in Pediatric Brain and CNS Tumor Patients After Proton Radiation Therapy
28. LEWIS, W — Association of Caloric Intake with Executive Function and Attention in Long-Term Survivors of Childhood Cancer
29. HEFLIN, L — Longitudinal Neuropsychological Functioning in Cancer Patients Using a Pre-Cancer Baseline Neuropsychological Assessment
30. MARIANI, M — Executive functioning and motor deficits in WHO grade 4 primary brain tumours
31. KIMBERG, C — End-of-Therapy Attention Predicts Long-Term Executive Function Outcomes in Survivors of Childhood Acute Lymphoblastic Leukemia (ALL)
32. ASHFORD, JM — Identifying Risk Factors for Adaptive Functioning Deficits among Children Diagnosed with Craniopharyngioma
33. NOLL, KR — Neurocognitive Functioning, Gender, and Inflammatory Markers in Patients with Colorectal Cancer Prior to Chemotherapy
34. YAO, C — Pretreatment Reaction Time Intraindividual Variability in Women Diagnosed with Breast Cancer
35. RAGHUBAR, KP — The Relationships among White Matter Integrity and Attention in Pediatric Brain Tumor
36. SCHREIBER, JE — Posterior Fossa Syndrome and Long-term Neurocognitive Problems among Children Treated for Medulloblastoma on a Multi-institutional, Prospective Study
37. CHERRIER, M — Neural and Behavioral Response to Cognitive Training in Cancer Survivors with Cognitive Symptoms
38. BRINKMAN, TM — Impaired executive function and reduced social integration among adult survivors of pediatric central nervous system (CNS) tumors
39. SADIGHI, ZS — Effect of Seizure Morbidity on Neurocognitive Outcome, Quality of Life, and Social Attainment in Adult Survivors of Childhood Central Nervous System (CNS) and Non-CNS Cancers
40. SHERMAN, JC — Preserved Cognitive Function following Proton Radiation in Adults with Low Grade Glioma
41. BANERJEE, P — Voxel-Based Lesion-Symptom Mapping of Expressive and Receptive Language in Brain Tumor Patients
42. AMIDI, A — Brain Connectivity and Neuropsychological Functioning in Testicular Cancer Patients – exploring the effect of chemotherapy

Language and Speech Functions/Aphasia

43. MCCULLAGH, J — Dichotic Listening Training for Auditory Processing Deficits in Aphasia
44. STRASSER, A — Paired-Associate Learning in Deaf Readers
45. STOOP, MC — Susceptibility to Phonological Interference in a Spoonerism Elicitation Task
46. REHMEL, JL — Comprehension of Common & Uncommon Proverbs in Individuals with Agenesis of the Corpus Callosum
47. RAGHUBAR, KP — Neurocognitive Predictors of Academic Functioning in Children with Cochlear Implants
48. GARCIA, A — Neural Correlates of Semantic Processing Across Input Modalities
49. BALDO, J — A Voxel-based Lesion Analysis of Reading in a Large Cohort of Left Hemisphere Stroke Patients
50. AILION, A — Long-Term Survivors of Cerebellar Tumors: Impact of Processing Speed and Working Memory on Phonemic and Semantic Fluency Performance
51. DRONKERS, NF — Grey and White Matter Involvement in Classic Aphasia Syndromes
52. PILLAY, SB — Neural Correlates of Impaired Definition Naming Relative to Picture Naming Using Voxel-Based Lesion-Symptom Mapping

Learning Disabilities/Academic Skills

53. YOUN, T — A Comparison of Quantitative EEG Between Cooperative Learning And Lecture-Based Learning In Adult
54. HARRELL, M — Children with Identified Reading Weakness: Significant Deficits in Phonological Processing?
55. CROCKER, N — Evaluation of Symbolic and Nonsymbolic Magnitude Judgment and Its Relationship with Mathematics Achievement in Children with Heavy Prenatal Alcohol Exposure
56. MIYAKE, Y — Systematic review of N400 waveform processing of semantic words in specific language impairment
57. HALE, JB — Neuropsychological and Behavioral Profiles of Written Expression SLD Subtypes: Implications for Differentiated Instruction
58. FRITZ, C — Differential Relation between Reading Comprehension and Neurocognitive Constructs for Dyslexic and Typical Readers at Different Ages
59. MACALLISTER, WS — A comparison of Woodcock Johnson III and WIAT III scores in clinically referred children and adolescents
60. PLOURDE, V — Neuropsychological Mediators of the Association between Inattention Symptoms and Reading Abilities in Childhood
61. HUSTON-WARREN, EA — Path Models for Middle School Mathematical Outcomes

Memory Functions

62.	APPLEMAN, ER	Effects of Sleep Quality, Assessed by Actigraphy, on Motor Learning in Healthy Young Adults
63.	VINGERHOETS, G	The Link Between S100β and Audioverbal Memory Perfomance in Patients Undergoing Carotid Revascularization
64.	ZANINOTTO, AC	Improvement on Visuospatial Memory Test After Diffuse Axonal Injury: One-Year Follow Up Study
65.	OMALLEY, K	Effects of Age and Sex on Verbal Memory
66.	PRINCE, CE	Neuropsychological Performance and Response to Prompting for Delayed Visuospatial Memory
67.	ANDERSON, DM	Age-Related Differences in Free Recall and Mnemonic Strategy Use
68.	GAVETT, BE	The Effects of Age on the Learning and Forgetting of Primacy, Middle, and Recency Components of a Multi-Trial Word List
69.	FLORES, A	The Effects of Negative Mood and Rumination on Specificity of Autobiographical Memory
70.	MAULE, AL	A Meta-analysis of Self-reported Neurological and Neuropsychological Symptoms in Gulf War Veterans
71.	DUNN, CB	Spatial Learning and Memory: Visually Scanning the Environment Predicts Performance on a Virtual Water Maze
72.	PANOS, AH	Memory in Left and Right Hemispherectomy
73.	HAMILTON, J	Isolated Memory Impairment following Bilateral Hippocampal Damage Secondary to Human Herpes Virus 6 Encephalitis (HHV6) in the Context of Bone Marrow Transplant for Pediatric Leukemia
74.	MCCAULEY, S	Prospective Memory in OEF/OIF Veterans with PTSD with or without Mild Traumatic Brain Injury using Virtual Week
75.	RHODES, E	Serial Order Position Effects in Alzheimer's and Vascular Dementia: A Clinical Application of Competitive Queuing
76.	LEIBEL, DK	Higher Levels of Perceived Stress Are Associated with Better Verbal Memory Performance in Older Men
77.	NICHOLAS, CR	Longitudinal assessment of self-reported memory function in cognitively normal, middle-aged adults: Findings from the WRAP study
78.	FAMA, R	Temporo-parietal Contribution to Visual Episodic Memory Performance in HIV Infection
79.	ENGLAND, HB	Modulating Categorical and Coordinate Spatial Processing Using Transcranial Direct Current Stimulation
80.	MCFARLAND, CP	Prospective Memory among Veterans: The Role of PTSD in Forgetting Intentions
81.	ROSSETTI, M	The Relationship among Adiponectin Isoforms, Memory Performance, and Gender
82.	QUIROZ, YT	Adaptation and validation of the Spanish version of the Face Name Associative Memory Exam (FNAME) in cognitively normal older individuals
83.	SHEPPARD, DP	A Comparison of Prospective Memory Capacity in Huntington's Disease and HIV Infection
84.	BAKER, CA	Musical Working Memory in Musicians and Non-musicians within Baddeley's Multicomponent Working Memory Model

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WEDNESDAY FEBRUARY 4, 2015

6:00–7:30 PM **Poster Session 1: ABI-Adult & Emotional Processes**

#17 **SHEENA CZIPRI. The Impact of Psychiatric Distress on Neuropsychological and Daily Functioning in a Veteran Population with Mild Traumatic Brain Injury**
YES, significant relationship with supporter(s) exist; Department of Veterans Affairs (VA), Office of Research and Development, Health services Research and Development (HSR&D) Service, Service Directed Research Project #08-377.

#72 **YAEL GRANADER. Updated BRIEF Profiles in Children with Autism Spectrum Disorders**
YES, and I DO HAVE a financial interest; Lauren Kenworthy receives royalties for the BRIEF.

THURSDAY FEBRUARY 5, 2015

10:15-11:45 AM **Paper Session 2: Pediatric Neuropsychology & Neuroimaging**

#2 **JOHANNA ROSENQVIST. Neurocognitive Development in 3- to 11-Year-Old Children: An International Comparison**
YES, and I DO HAVE a financial interest; Dr. Kemp is author of the NEPSY-II. Dr. Urgesi is author of the Italian version of the NEPSY-II. Dr. Holdnack is a Senior Scientist with Pearson. The other authors do not have any conflicts of interests.

10:15–11:45 AM **Poster Session 2: EF/Frontal, Forensic, & Malingering**

#43 **EMILY DUGGAN. Examining Executive Behavior of Young Adults: Convergent Validity Analyses of an Executive Functions Screener**
YES, and I DO HAVE a financial interest; We acknowledge that Dr. Garcia-Barrera, co-author in this presentation, receives consultant fees from Pearson Assessment (publisher of the BASC, an instrument discussed in this presentation). Dr. Müller and I have no conflicts of interests to declare.

#55 **FREDERICK COOLIDGE. Assessment of DSM-5 Neurocognitive Disorder in 3,090 Adult Prison Inmates**
YES, and I DO HAVE a financial interest; I created the Coolidge Correctional Inventory in order to assess psychopathology and neuropsychological dysfunction in prison inmates. It was used by the Colorado Department of Corrections for nine years. It is no longer commercially available, much to my chagrin. This paper presents analyses of the archival data that has never been published or presented.

#67 **MARY IAMPIETRO. Word Memory Test Findings in a Pediatric Mixed Clinical Sample**
YES, and I DO HAVE a financial interest; Green's Publishing. The author has no relationship with the manufacturer of the product.

#69 **DONALD TRAHAN. Specificity of the CVMT Symptom Validity Scale in Normal Adults**
YES, and I DO HAVE a financial interest; The publisher of the CVMT is Psychological Assessment Resources, Inc. I am the primary author for the CVMT. PAR purchased the copyright and ownership of the CVMT from me and co-author of the CVMT, Dr. Glenn J. Larrabee, in 1988. Both of us receive some royalties from purchases of the CVMT and related materials.

#77 BRANDON GAVETT. Linking Standalone Performance Validity Test Scores
YES, and I DO HAVE a financial interest; We will present on three different performance validity tests (PVTs) - the Test of Memory Malingering (MHS, Inc), the Victoria Symptom Validity Test (PAR, Inc.) and the Word Memory Test (Green's Publishing). We have no financial interest or relationship with the manufacturers of these products.

1:30–3:00 PM **Poster Session 3: Aging & Epilepsy**

#20 HASKER DAVIS. Performance on a Manual and Computerized Tower of London across the Life Span
YES, and I DO HAVE a financial interest; Sanzen Neuropsychological Assessment Tests. I am a part owner (49.9%) of this startup software development company. The software for the Tower of London will not be commercially available until sometime in 2015. The discussion will not in anyway promote the software as a commercial product.

3:15-4:45 PM ***WITHDRAWN BUT PUBLISHED:*** **Poster Symposium: Assessment of Physicians: From Prospective Screening to Rehabilitation**

#2 LAURI KORINEK. Overview and Scope of Neuropsychological Performance Among Physicians of Advanced Age
YES, and I DO HAVE a financial interest; I interpret neuropsychological screens for CPEP.

#3 KELLY GARRETT. Systematic Prospective Cognitive Screening Programs for Medical Staff (MOVED TO POSTER SESSION 4, poster #95)

#4 WILLIAM PERRY. Neuropsychological Assessment of Late Career Physicians
YES, and I DO HAVE a financial interest; PACE - Neuropsychologist

#6 ELIZABETH GRACE. Signed, Sealed, and Delivered: What Referring Organizations Need in Neuropsychological Screening and Testing Reports on Aging and Other Physicians
YES, and I DO HAVE a financial interest / significant relationship with supporter(s); I am an employee of CPEP.

3:15–4:45 PM **Poster Session 4: Cross Cultural, Drugs, Genetics, HIV/AIDS, & MS/ALS**

#74 MAYTE FORTE. Moderate Caffeine Intake and Verbal Memory in Multiple Sclerosis
YES, significant relationship with supporter(s); This study is in part funded by a grant by the National MS Society and Accera Inc.

#95 KELLY GARRETT. Systematic Prospective Cognitive Screening Programs for Medical Staff
YES, and I DO HAVE a financial interest; Pearson Assessment - MicroCog

3:15–4:45 PM **Symposium 6: Functional Mapping for Presurgical Planning Using dEEG Source Localization and Transcranial Stimulation**

#1. CATHERINE POULSEN. Functional Mapping for Presurgical Planning Using dEEG Source Localization and Transcranial Stimulation
YES, and I DO HAVE a financial interest / significant relationship with supporter(s); Electrical Geodesics, Inc. (EGI) manufactures the EEG system used for recording and stimulation in this research. The presenters of this symposium are employees of EGI. This research is partially supported by internal research and development funds at EGI.

#2. CATHERINE POULSEN. Dense-array EEG Source Localization of Language Function
YES, and I DO HAVE a financial interest / significant relationship with supporter(s); Electrical Geodesics, Inc. (EGI) manufactures the EEG system used for recording and analysis in this research. The presenter is an employee of EGI. This research is partially supported by internal research and development funds at EGI.

#4. PHAN LUU. Neuromodulation of Primary Motor Cortex with Transcranial Direct Current Stimulation.
YES, and I DO HAVE a financial interest / significant relationship with supporter(s); EGI, manufactures the EEG system used for recording and stimulation in this research. I am an mployee of EGI. This research is partially supported by internal research and development funds at EGI.

FRIDAY FEBRUARY 6, 2015

10:15-11:45 AM **Poster Session 5: Imaging (Structural & Functional) & Psychopathology/Neuropsychiatry**

#37 ANNA HOOD. White Matter Integrity Mediates the Relationship Between Prolonged Exposure to High and Variable Phenylalanine Levels Over the Lifetime and Strategic Processing in Children with Phenylketonuria.
YES, significant relationship with supporter(s); This research was in part supported in part by an Investigator Sponsored Trial grant from BioMarin Pharmaceutical Inc. Some authors receive consultation fees from this corporation.

#78 EMILIA LOJEK. Recovery from Depression: the Value of Executive Functions and Coping
YES, and I DO HAVE a financial interest / significant relationship with supporter(s); We are going to present a new questionnaire on depression which will be published by the Laboratory of Psychological Tests of the Polish Psychological Association. The Laboratory has financed part of the study (on healthy subjects - a normalization study). One of the co-authors is employed by the LPT PPA.

1:30 –3:00 PM **Poster Session 6: Assessment-Child, Dementia (AD), & Medical/Neurological Disorders-Child**

#6 **MADISON BERL. Everyday Executive functioning in Focal Pediatric Epilepsy on the Revised BRIEF**
YES, and I DO HAVE a financial interest; PAR is publisher of the BRIEF and its revised versions. My division chief and colleagues are the authors of the BRIEF and one of the authors (Isquith) is on this poster.

#10 **KARIN WALSH. Executive Function Profiles in Children with Neurofibromatosis Type 1 Compared with Healthy Children on the Behavior Rating Inventory of Executive Functions-2**
YES, and I DO HAVE a financial interest; PAR, Inc. Dr. Isquith is a co-author of the BRIEF-2.

#11 **KARIN WALSH. Executive Function Profiles in Pediatric Cancer Survivors Compared with Healthy Children on the Behavior Rating Inventory of Executive Functions-2**
YES, and I DO HAVE a financial interest; PAR, Inc Dr. Isquith is a co-author of the BRIEF-2.

#12 **MELISSA MESSER . Development and Reliability of a New Academic Achievement Battery**
YES, and I DO HAVE a financial interest / significant relationship with supporter(s); Psychological Assessment Resources, Inc. (PAR). I am an employee of PAR.

#13 **MELISSA MESSER . Development and Reliability of a Revised Behavior Rating Inventory of Executive Function (BRIEF)**
YES, and I DO HAVE a financial interest; Melissa Messer and Jennifer Greene are employees of PAR, Inc., publisher of the measure described in this abstract (BRIEF). Peter Isquith and Gerard A. Gioia are co-authors of the BRIEF and receive royalties from sales.

3:15–4:45 PM **Poster Session 7: Behavioral Neurology, Dementia (Subcortical), & Medical/Neurological Disorders-Adult**

#55 **AMANDA BONO. Demographic and Clinical Predictors of Facial Expressivity Improvement for Individuals with Parkinson's Disease (PD) Receiving the Lee Silverman Voice Treatment (LSVT)**
YES, and I DO HAVE a financial interest; Lorraine Ramig receives lecture and travel reimbursement and has ownership interest in LSVT Global, Inc. Her plan has been approved by the University of Colorado Office of Conflict of Interest and Compliance.

#92 **KARIN HOTH. Nocturnal Oxygen Desaturation and Cognitive Performance in COPD**
YES, and I DO HAVE a financial interest; Dr. Aloia is a paid employee and stockholder for Philips/Respironics, Inc. the manufacturer of WristOx the device used to obtain oximetry recording.

SATURDAY FEBRUARY 7, 2015

9:00-10:30 AM **Poster Session 8: ABI-Child, Autism, Cognitive Neuroscience, & Electrophysiology/EEG**

#33 **GERARD GIOIA. Evidence-Based Approach to Detecting Concussion in Children: Combining Symptom Reports and Cognitive Performance**
YES, and I DO HAVE a financial interest; Test Authors, Tasks of Executive Control (TEC).

#52 **DANIELLE ABRAMS. Early Child Characteristics Predict Transition from ASD to Non-ASD.**
YES, and I DO HAVE a financial interest; Diana Robins is co-owner in M-CHAT LLC.

#53 **LAUREN KENWORTHY. The Executive Function Challenge Task (EFCT): A Lab-based Observational Measure of Flexibility and Planning in Typically Developing Children and Those with Autism Spectrum Disorder**
YES, and I DO HAVE a financial interest; Lauren Kenworthy receives royalties from the BRIEF.

#63 **CHOOZA MOON. Sleep Apnea and Grey Matter Volume in Individuals with Heart Failure: A Voxel-Based Morphometric Analysis**
YES, significant relationship with supporter(s); The project described was supported by Award Number R00NR012773 (Brain Alterations and Cognitive Impairment in Older Adults with Heart Failure) from the National Institute of Nursing Research. The content is solely the responsibility of the authors and does not necessarily represent the official views of the National Institute Of Nursing Research or the National Institutes of Health.

10:45 AM –12:15 PM **Poster Session 9. Assessment-Adult, Cognitive Intervention/Rehab, & Visuospatial/Neglect**

#25 **ANDREA VINCENT. Test-Retest Reliability, Practice Effects, and Base Rates of Change for the ANAM-GNS Battery**
YES, and I DO HAVE a financial interest; Author Vincent is employed by Vista LifeSciences who holds the exclusive license for commercialization of ANAM, the cognitive test battery utilized in this research. Author Vincent receives only salary support and does not receive any royalties from the sale of ANAM. Authors Tyler and Roebuck-Spencer receive no funds or salary support from ANAM sales.

#47 **HASKER DAVIS. Performance and Convergent Validity across the Life Span for a Computerized and a Manual Trails Making Test**
YES, and I DO HAVE a financial interest; Sanzen Neuropsychological Tests, LLC. I (Hasker Davis) have a significant ownership interest (49.9%) in the company. The Trails test product is not currently for sale. We expect to market and sale software products in 2015.

#45 HANNAH TYLER. Comparability of In-Person versus Remote Proctoring for Neuropsychological Test Administration
YES, and I DO HAVE a financial interest; Author Vincent is employed by Vista LifeSciences who holds the exclusive license for commercialization of ANAM, the cognitive test battery utilized in this research. Author Vincent receives only salary support and does not receive any royalties from the sale of ANAM. Authors Tyler and Roebuck-Spencer receive no funds or salary support from ANAM sales.

#91 DIANA MOSQUERA. The Center of Mass and the Edge of Attention
YES, significant relationship with supporter(s); Research funding was provided by: 1) The American Academy of Neurology 2014 Medical Student Summer Research Scholarship 2) Florida State University College of Medicine Summer Research Fellowship

12:30 –2:00 PM Poster Session 10. ADHD/Attention, Cancer, Language/Aphasia, Learning Disabilities/Academic, & Memory

#14 PETER ISQUITH. Diagnostic Accuracy of a Revised Behavior Rating Inventory of Executive Function (BRIEF) for Children with ADHD
YES, and I DO HAVE a financial interest; Peter Isquith & Gerard A. Gioia are co-authors of the BRIEF discussed in the abstract and receive royalties from sales.

#15 GILL SITARENIOS. A Revised Continuous Performance Test (CPT) for the Assessment of Attention Processes in 4-7 year-old Children
YES, and I DO HAVE a financial interest; I am employed as the Chief Scientist at Multi Health Systems (MHS). MHS is the publisher of the K-CPT 2.

#68 BRANDON GAVETT. The Effects of Age on the Learning and Forgetting of Primacy, Middle, and Recency Components of a Multi-Trial Word List
YES, and I DO HAVE a financial interest; The MAS was published by PAR and is currently sold by BrainMetric. The authors have no relationship with or financial interest in either of these companies or their products.

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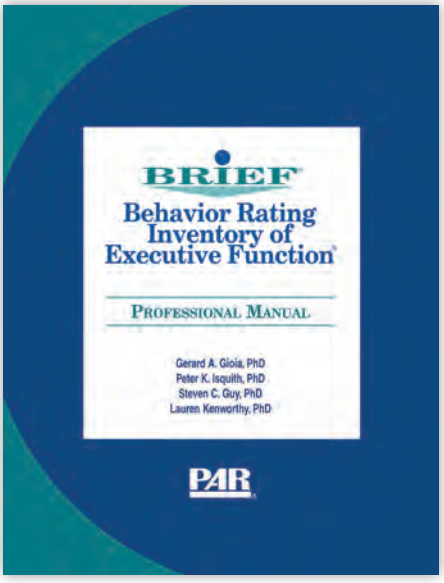

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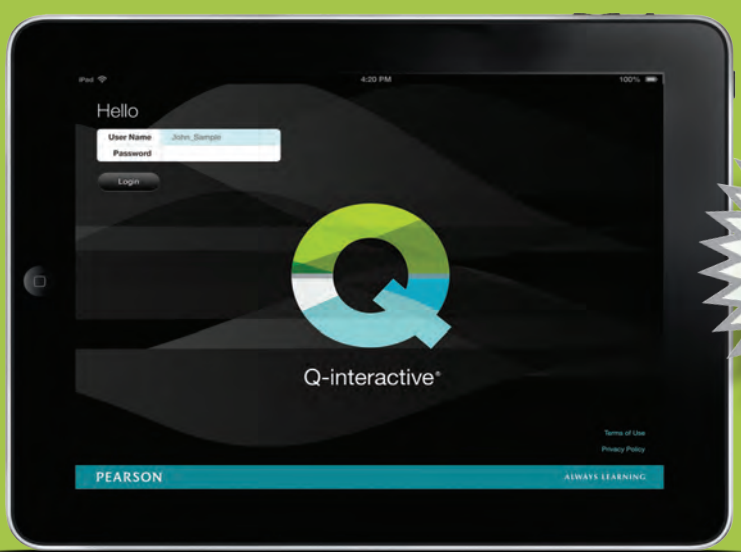

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