MDRS 2017 Program

Wednesday, September 13th

07:00-10:00 PM  Opening Reception
The Hancock Tower 95th Floor Signature Room
(Directions in maps section)
MDRS 2017 Program

Thursday, September 14th

07:30 AM  Registration Desk Opens
Conference Venue: Wieboldt Hall, 340 E. Superior Street
(Directions in maps section)

08:00-09:00 AM  Breakfast

09:00-09:50 AM  Individual Talks – Session 1  (Chair: Joel Voss)

09:00-09:10  Welcome and meeting overview
Joel Voss

09:10-09:20  The controversial functions of hippocampal neurogenesis: Reconciling the evidence with theoretical models
Sue Becker

09:20-09:30  Zooming in on the timecourse of memory retrieval
Maria Wimber

09:30-09:40  Dynamics of semantic representation decoded from ECoG in anterior temporal cortex
Tim Rogers

09:40-09:50  Electrophysiological connectome of human episodic memory
Michael Kahana

09:50-10:20 AM  Morning Coffee Break

10:20-12:00 PM  Symposium: Memory needs sleep, and memory research needs sleep research

10:20-10:30  Introduction to sleep and memory
Bernhard Staresina

10:30-10:50  The role of REM sleep in rescuing memories from interference
Sara Mednick

10:50-11:10  Hippocampal contributions to long-term memory formation in sleep
Jan Born

11:10-11:30  Using closed-loop auditory and optogenetic stimulation to test the causal role of sleep oscillations for episodic memory
Hong-Viet Ngo

11:30-11:40  Tinkering with sleep
Ken Paller

11:40-12:00  General discussion

12:00-01:20 PM  Lunch
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01:20-02:30 PM Individual Talks – Session 2  (Chair: Paul Reber)

01:20-01:30  A simple intervention that improves memory for everyday events
Jeff Zacks

01:30-01:40  Drawing as an encoding tool: Memory benefits in younger and older adults as well as in Alzheimer’s patients
Myra Fernandes

01:40-01:50  Electrical stimulation of left PFC at retrieval boosts recollection accuracy: The importance of time of day
David Gallo

01:50-02:00  Direct electrical stimulation of the amygdala enhances episodic memory in humans
Stephan Hamann

02:00-02:10  Acute mild exercise enhances hippocampal-neocortical connectivity
Mike Yassa

02:10-02:20  Mental control suppression of implicit memory
Daniel Levy

02:20-02:30  Mechanisms of working memory and decision-making in real and artificial neural networks
David Freedman

02:30-02:40  Episodic retrieval and divergent creative thinking
Daniel Schacter

02:40-03:20 PM Afternoon Coffee Break

03:20-04:30 PM Tribute to Howard Eichenbaum
Organized by Neal Cohen. Speakers to include Lila Davachi, Morris Moscovitch, Elizabeth Buffalo, Charan Ranganath, Arne Ekstrom, Veronique Bohbot & Brad Postle

05:00-06:45 PM Neuroscience, Memory, and the Law
A public lecture by Michael Kopelman, with discussion led by Daniel Schacter
Reception follows the lecture from 6:00-6:45
Pritzker School of Law, Lincoln Hall
(Directions in Maps section)

07:00-10:00 PM Cocktail hour and Banquet
Green River – 259 E. Erie St. 18th Floor
(Directions in Maps section)
**MDRS 2017 Program**

**Friday, September 15th**

07:30 AM  **Registration Desk Opens**  
Conference Venue: Wieboldt Hall, 340 E. Superior Street  
(Directions in maps section)

08:00-09:00 AM  **Breakfast**

09:00-10:00 AM  **Individual Talks – Session 3  (Chair: Ken Paller)**

09:00-09:10  *Does sleep play a role in integrating overlapping events? Probably not.*  
Aidan Horner

09:10-09:20  *Hippocampal function in early childhood*  
Simona Ghetti

09:20-09:30  *Trajectories of hippocampal-PFC connectivity throughout adolescence*  
Vishnu Murty

09:30-09:40  *Age differences in hippocampal regional volumetry are related to memory development*  
Noa Ofen

09:40-09:50  *A neural model of normal and abnormal learning and memory consolidation: Adaptively timed conditioning, hippocampus, amnesia, neurotrophins, and consciousness*  
Stephen Grossberg

09:50-10:00  *How accurate is memory?*  
Brian Levine

10:00-10:40 AM  **Morning Coffee Break**

10:40-12:20 PM  **Symposium: Viewing behavior, memory, and the medial temporal lobe**

10:40-10:50  *Why should we care about eye movements?*  
Joel Voss

10:50-11:10  *Structural and functional connections between memory and oculomotor systems*  
Jennifer Ryan

11:10-11:30  *Eye movements, memory, and spatial representations in the monkey hippocampus*  
Elizabeth Buffalo

11:30-11:50  *Hippocampus, viewing, and the dynamic use of memory*  
Donna Bridge

11:50-12:00  *Viewing to objects predicted by medial temporal lobe subregion volumes*  
Morgan Barense

12:00-12:20  General discussion

12:20-01:40 PM  **Lunch**
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01:40-03:00 PM  Individual Talks – Session 4  (Chair: Paul Reber)
01:40-01:50  Gotcha: Attention capture by episodic memory
Deborah Hannula

01:50-02:00  Pupilometry indexed attentional orientation during recognition
Ian Dobbins

02:00-02:10  Decoding selective attention during context memory encoding
Audrey Duarte

02:10-02:20  Multimodal investigation of neurobehavioral dynamics – MINDS – in the impact of emotional distraction on working memory
Florin Dolcos

02:20-02:30  Cross-subject functional alignment of human episodic memory representations
Bradley Buchsbaum

02:30-02:50  Hippocampal connectivity predicts dynamic plasticity in the non-human primate brain
Paula Croxson

02:50-03:00  ERP correlates differentiating unitization and relational processing during encoding
Rachel Diana

03:00-03:30 PM  Laird Cermak and Sue Corkin Award Presentations  (Chair: Paul Reber)
03:00-03:15  The role of mental maps in memory and decision making
Raphael Kaplan

03:15-03:30  Learning and consolidation of structured information
Anna Schapiro

03:30-04:20 PM  Afternoon Coffee Break and Poster Viewing Session

04:20-05:35 PM  Symposium: Representational analyses and the nature of cortical memory traces
04:20-04:30  Neural convergence of perceptual and conceptual information
Morgan Barense

04:30-04:45  Oscillatory dynamics of perceptual to conceptual representations in the ventral visual pathway
Alex Clarke

04:45-05:00  Perceptual and conceptual features of episodic memory representations
Roberto Cabeza

05:00-05:15  The contents of episodic memory are encoded in lateral parietal retrieval responses
Brice Kuhl

05:15-05:35  General discussion

05:40 PM  Business Meeting (MDRS members only)
MDRS 2017 Program

Saturday, September 16th

08:00 AM  Registration Desk Opens
Conference Venue: Wieboldt Hall, 340 E. Superior Street
(Directions in maps section)

08:00-09:00 AM  Breakfast

09:00-10:10 AM  Individual Talks – Session 5  *(Chair: Donna Bridge)*

09:00-09:10  National narcissism as a collective memory disorder: Memories of World War II
Roddy Roediger

09:10-09:20  The hippocampus as a source of predictions
Nick Turk-Browne

09:20-09:30  Perception and recall of narrative event schemas
Ken Norman

09:30-09:40  Consolidation theory reconsidered: Evidence for a context model
Andrew Yonelinas

09:40-09:50  Hand gesture reveals memory for prior experience despite hippocampal amnesia
Melissa Duff

09:50-10:00  Using situation comedies to understand situation models
Chris Bird

10:00-10:10  Retrieval practice enhances retention via the posterior-medial network
Charan Ranganath

10:10-10:50 AM  Morning Coffee Break

10:50-12:00 PM  Individual Talks  *(Chair: Donna Bridge)*

10:50-11:00  Is the hippocampus necessary for long-timescale dynamics in the default network?
Janice Chen

11:00-11:10  Neuropsychological evidence for distinct contributions to future thinking of the
ventromedial prefrontal cortex and medial temporal lobes
Mieke Verfaellie

11:10-11:20  Not all types of future thinking are affected in episodic amnesia
Shayna Rosenbaum
11:20-11:30  Recognition memory shielded from semantic but not perceptual interference in natural aging  
             Rosemary Cowell

11:30-11:40  False memories and aging: Modulation of superior temporal gyrus activity  
             Nancy Dennis

11:40-11:50  Learning about trustworthiness with age  
             Angela Gutchess

11:50-12:00 Effects of age on across-subject classification of retrieved content  
             Michael Rugg

12:00 PM    Scientific program concludes

01:30-03:00 PM  Chicago River Architectural Cruise  
                Wendella Boat Launch  
                (Directions in Maps section)
Poster Session

P1  
*Face race influences the course of face-memory consolidation*
Carmen Westerberg

P2  
*The hippocampus is critical for value-based decisions guided by dissociative inference*
Asaf Gilboa, Morris Moscovitch, and Gordon Winocur

P3  
*Construction and elaboration of autobiographical memories from multiple visual perspectives*
Peggy St. Jacques

P4  
*Angular gyrus simultaneously tracks recollection strength and task-irrelevant prior knowledge*
Cheryl Grady and Morris Moscovitch

P5  
*Spontaneous pre-encoding activation of specific neural patterns predicts memory at the item level*
Janice Chen and Morris Moscovitch

P6  
*The primacy of “place” in neural representations of events containing people, places, and objects*
Brad Buchsbaum and Morris Moscovitch