

# MDRS 2017 Program

**Wednesday, September 13<sup>th</sup>**

**07:00-10:00 PM**

**Opening Reception**

The Hancock Tower 95<sup>th</sup> Floor Signature Room  
(Directions in maps section)



# MDRS 2017 Program

## Thursday, September 14<sup>th</sup>

<b>07:30 AM</b>	<b>Registration Desk Opens</b> Conference Venue: Wieboldt Hall, 340 E. Superior Street (Directions in maps section)
<b>08:00-09:00 AM</b>	<b>Breakfast</b>
<b>09:00-09:50 AM</b>	<b>Individual Talks – Session 1</b> (Chair: Joel Voss)
09:00-09:10	<i>Welcome and meeting overview</i> Joel Voss
09:10-09:20	<i>The controversial functions of hippocampal neurogenesis: Reconciling the evidence with theoretical models</i> Sue Becker
09:20-09:30	<i>Zooming in on the timecourse of memory retrieval</i> Maria Wimber
09:30-09:40	<i>Dynamics of semantic representation decoded from ECoG in anterior temporal cortex</i> Tim Rogers
09:40-09:50	<i>Electrophysiological connectome of human episodic memory</i> Michael Kahana
<b>09:50-10:20 AM</b>	<b>Morning Coffee Break</b>
<b>10:20-12:00 PM</b>	<b>Symposium: Memory needs sleep, and memory research needs sleep research</b>
10:20-10:30	<i>Introduction to sleep and memory</i> Bernhard Staresina
10:30-10:50	<i>The role of REM sleep in rescuing memories from interference</i> Sara Mednick
10:50-11:10	<i>Hippocampal contributions to long-term memory formation in sleep</i> Jan Born
11:10-11:30	<i>Using closed-loop auditory and optogenetic stimulation to test the causal role of sleep oscillations for episodic memory</i> Hong-Viet Ngo
11:30-11:40	<i>Tinkering with sleep</i> Ken Paller
11:40-12:00	General discussion
<b>12:00-01:20 PM</b>	<b>Lunch</b>

# MDRS 2017 Program

- 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. 18<sup>th</sup> Floor  
(Directions in Maps section)

# MDRS 2017 Program

## Friday, September 15<sup>th</sup>

- 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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<b>01:40-03:00 PM</b>	<b>Individual Talks – Session 4</b> (Chair: Paul Reber)
01:40-01:50	<i>Gotcha: Attention capture by episodic memory</i> Deborah Hannula
01:50-02:00	<i>Pupillometry indexed attentional orientation during recognition</i> Ian Dobbins
02:00-02:10	<i>Decoding selective attention during context memory encoding</i> Audrey Duarte
02:10-02:20	<i>Multimodal investigation of neurobehavioral dynamics – MINDS – in the impact of emotional distraction on working memory</i> Florin Dolcos
02:20-02:30	<i>Cross-subject functional alignment of human episodic memory representations</i> Bradley Buchsbaum
02:30-02:50	<i>Hippocampal connectivity predicts dynamic plasticity in the non-human primate brain</i> Paula Croxson
02:50-03:00	<i>ERP correlates differentiating unitization and relational processing during encoding</i> Rachel Diana
<b>03:00-03:30 PM</b>	<b>Laird Cermak and Sue Corkin Award Presentations</b> (Chair: Paul Reber)
03:00-03:15	<i>The role of mental maps in memory and decision making</i> Raphael Kaplan
03:15-03:30	<i>Learning and consolidation of structured information</i> Anna Schapiro
<b>03:30-04:20 PM</b>	<b>Afternoon Coffee Break and Poster Viewing Session</b>
<b>04:20-05:35 PM</b>	<b>Symposium: Representational analyses and the nature of cortical memory traces</b>
04:20-04:30	<i>Neural convergence of perceptual and conceptual information</i> Morgan Barense
04:30-04:45	<i>Oscillatory dynamics of perceptual to conceptual representations in the ventral visual pathway</i> Alex Clarke
04:45-05:00	<i>Perceptual and conceptual features of episodic memory representations</i> Roberto Cabeza
05:00-05:15	<i>The contents of episodic memory are encoded in lateral parietal retrieval responses</i> Brice Kuhl
05:15-05:35	General discussion
<b>05:40 PM</b>	<b>Business Meeting (MDRS members only)</b>

# MDRS 2017 Program

## Saturday, September 16<sup>th</sup>

- 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

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- 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**  
Wendela Boat Launch  
(Directions in Maps section)

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## 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