

Memory Disorders Research Society – 2009 Meeting

Franklin Hotel, Chapel Hill, NC - 9/24/09 to 9/26/09

Program

Wednesday 9/23/09

7:00-8:00 Registration and reception, Franklin Hotel Lobby Bar (311 W. Franklin St.)

9:00- Drinks at The Crunkleton Bar, 320 W. Franklin St. (directly across street from hotel)

Thursday 9/24/09

8:00-8:30 Registration and continental breakfast

8:30-10:00 **Symposium 1: *The legacy of H.M.: The case study approach to investigating memory, the medial temporal lobe, and beyond***

Chair: Shayna Rosenbaum

1. Shayna Rosenbaum: *The past, present, and future of episodic memory as informed by the amnesic case K.C.*
2. Faraneh Vargha-Khadem: *Developmental amnesia: Three dissociations in cognitive memory*
3. Stefan Köhler: *Selective familiarity impairments in recognition memory*
4. Lisa Cipolotti: *The role of the hippocampus, thalamus and frontal lobes in recognition memory*

10:00-10:20 Coffee break

10:20-12:15 **Symposium 2: *Content specific memory in the MTL: Yes or no?***

Chairs: Kim Graham and Lila Davachi

1. Malcolm Brown: *Animal evidence that different regions of the medial temporal lobe process and memorise different types of material*
2. Wendy Suzuki: *Medial temporal lobe contributions to associative learning and temporal order memory*
3. Alison Preston: *Encoding of event content in the human medial temporal lobe: Evidence from high-resolution fMRI*
4. Lila Davachi: *Content-specific functional activation in the human medial temporal lobe*
5. Kim Graham: *Differentiating MTL structures in terms of content: neuropsychological and neuroimaging evidence*

12:15-1:30 Lunch (on your own)

1:30-2:30 **Data Blitz Session**

1. Andy Yonelinas: *The perirhinal cortex and conceptual implicit memory*
2. Ian Dobbins: *Fronto-parietal responses during recognition: Retrieval or cognitive control?*
3. Brad Postle: *Simultaneous rTMS-EEG studies of visual working memory*
4. Patricia Reuter-Lorenz, Jonas Persson, and Anne Larsson: *Neural correlates underlying depletion of interference control*
5. Marcia Johnson: *Age-related differences in perceptual and reflective attention*
6. Robin Morris: *Age related white matter integrity loss and long-term episodic memory decline*

2:45-3:15 Bus to Duke University

3:15-4:30 Visit of *Duke Gardens* or Picasso Exhibition at *Nasher Museum of Art*
(Picasso is \$10 admission; students will lead tour of Gardens--weather permitting)

4:30-5:15 Reception at Nasher Museum of Art

5:15-6:15 **Keynote address:** Brenda Milner (Nasher Museum of Art Auditorium)

6:30-7:00 Bus back to Chapel Hill – drop-off at restaurant Elaine’s (454 W. Franklin St.)

7:00-9:00 Cocktails and Dinner – restaurant Elaine’s (*members only*)

Friday 9/25/09

8:00-8:30 Continental breakfast

8:30-10:40 **Symposium 3: *Do the medial temporal lobes contribute to visual perception?***

Chair: Stefan Köhler

1. Lisa Saksida and Tim Bussey: *Memory, perception, and the ventral visual-perirhinal-hippocampal stream: thinking outside of the boxes*
2. Morgan Barense: *Medial temporal lobe amnesia: A deficit in memory, perception, or both?*
3. Yael Shrager (**Cermak Award**): *Visual perception in patients with medial temporal lobe damage*
4. Stefan Köhler: *Perirhinal-cortex involvement in recognition memory and perceptual discrimination: Commonalities and differences*
5. Neal Cohen: *Hippocampal memory: Long-term, short-term, and on-line representations*
6. Wendy Suzuki: *Perception and memory in the medial temporal lobe: Evaluating the current evidence*

10:40-11:00 Coffee break

11:00-1:00 **Symposium 4: *Tutorial Overview of Computational Modeling***

Chair: Ken Norman

1. Ken Norman: *Overview of memory models/complementary learning systems*
2. Roger Ratcliff: *Models of memory decision-making*
3. Suzanna Becker: *Models of the hippocampus*
4. Michael Frank: *Models of basal ganglia and prefrontal cortex*
5. Sean Polyn: *Models of context and memory*

1:00-2:15 Lunch

2:15-4:15 **Symposium 5: *Changing Memory Function across the Lifespan***

Chair: Silvia Bunge

1. Simona Ghetti: *Developmental changes in episodic memory during childhood*
2. Silvia Bunge: *Childhood development of control over memory*
3. Lynn Hasher: *Aging and control over distraction*
4. Randy Buckner: *Disruption of large-scale brain networks in advanced aging*
5. Roberto Cabeza: *Effects of aging on functional and anatomical connectivity*

4:15-4:35 Joel Voss (**Cermak Award**): *Volitional control over encoding and the formation of durable memories.*

Saturday 9/26/09

8:30-9:00 Continental breakfast

9:00-10:30 **Symposium 6: *Neural Mechanisms of Emotional Memory***

Chair: Stephan Hamann

1. Kevin LaBar and David Rubin: *Emotional Memories for Duke-UNC Basketball*
2. Florin Dolcos: *Neural Correlates of Opposing Modulation of Emotion on Episodic and Working Memory Processes: An Event-Related fMRI Investigation*
3. Stephan Hamann: *Development of Emotional Memory*
4. Elizabeth Kensinger: *How Valence Influences Emotional Memory*

10:30-10:50 Coffee break

10:50-12:00 **Open Paper Session**

1. Tim Bussey: *A role for hippocampal neurogenesis in pattern separation*
2. Sander Daselaar: *The default mode network is associated with retrieval success and encoding failure: The encoding/retrieval flip pattern*
3. Michael Rugg: *What kinds of memory signals are reflected in retrieval-related hippocampal activity?*
4. Eleanor Maguire: *Decoding episodic memories in the human hippocampus*

12:00-1:00 Business Meeting (*members only*)