

**Memory Disorders Research Society
2012 Annual Meeting
September 6-8.
Davis, CA @ Buehler Alumni & Visitor Center**
http://daviswiki.org/Buehler_Alumni_&_Visitors_Center

Thursday, Sept. 6

7:30 - 8:25 Breakfast

8:25 – 8:35 Introductory remarks, orientation to Davis

8:35-8:50 Memorial for Shlomo Bentin (discussion led by Morris Moscovitch)

8:50-10:30 Symposium: Searching for the engram: Can distributed pattern analyses reveal the nature of episodic memory representations?

- Roberto Cabeza (organizer) "Encoding-retrieval similarity in cortical activation patterns predicts memory success at the individual item level"
- Charan Ranganath "Two cortical networks for memory-guided behavior: Insights from representational similarity analysis and resting-state functional connectivity analyses of fMRI data"
- Anthony Wagner "Representational similarity and recognition memory: High-resolution fMRI support for sum similarity in MTL cortex"
- Alison Preston "Hippocampal and cortical activation patterns reveal integration of overlapping memories"

10:30-11:00 Break

11:00-12:00 Open paper session

- Sean Polyn "Competition, contiguity, and context: Multivariate techniques revealing the dynamics of memory search."
- Lynne Reder "The role of familiarity in building associations."
- Jarrod Lewis-Peacock (Cermak Award Winner)
- Bernhard Staresina (Cermak Award Winner)

12:00-1:30 Catered Lunch in Alumni Center Patio

1:30-3:10 Symposium: Learning about and using regularities to guide behavior

- Nick Turk-Browne (organizer) "Shaping of object representations in the medial temporal lobe based on regularities"
- Lila Davachi "What to bind? How regularities influence long-term memory for events and their neural mechanisms"
- Alison Adcock "Reward motivation effects on dynamic hippocampal physiology"
- Daphna Shohamy (organizer) "The hippocampus biases value-based decision making"

3:10-3:30 Break

3:30-5:10 Symposium: Multilevel analysis of dorsal vs. ventral hippocampus in rats and posterior vs. anterior hippocampus in humans

Hong-Wei Dong "Identifying Novel Functional Domains of the Hippocampus: The Approaches of Molecular Neuroanatomy and Connectome"
Raymond Kesner (organizer) "Differential contributions of the dorsal and ventral hippocampus to the processing of mnemonic information in rats"
Morris Moscovitch and Jordan Poppenk "Differential contributions of the anterior and posterior hippocampus to human memory"
Lynn Nadel "Differential contributions of the anterior and posterior hippocampus to spatial cognition"

5:10-7:00 Make way to Downtown Davis

7:00-9:30 **Banquet at Season's Restaurant** (<http://seasonsdavis.com/>) 102 F Street Davis, CA 95616

Friday, Sept. 7

7:30 - 8:30 Breakfast

8:30-9:45 Symposium: Adaptive Memory Biases

Ian Dobbins (organizer) "Confidence, Metacognition, and Adaptive Memory Biases"
David Schnyer "Expectations about memory modulate the event-related potential old/new" effect"
Michael Miller "Some people are not cut out for criterion shifting"

9:45-10:30 Open Paper Session

Mick Rugg "Temporal dissociation of retrieval-related neural activity"
Mara Mather "Arousal-biased competition in memory"
Kevin Labar "Aversive learning modulates cortical representations of object concepts"

10:30-10:45 Break

10:45-12:05 Data Blitz 1: Silvia Bunge, Deborah Hannula, Ken Paller, Cindy Lustig, Arne Ekstrom, Mark D'Esposito, Asaf Gilboa, Simona Ghetti, Hugo Spiers, Ken Norman

12:05-1:30 Catered Lunch in Alumni Center Patio

1:30-3:30 Symposium: Cognitive Remediation of Memory Disorders

Dave Balota "Testing and spacing to improve retrospective memory in normal aging and AD"
Elizabeth Glisky "Self-imagination improves memory in individuals with memory disorders"
Mark McDaniel (organizer) "Implementation-intention encoding facilitates prospective remembering in very mildly demented older adults"
Paul Reber "Working memory training to improve cognitive functioning in older adults"
Sophia Vinogradov "Computerized cognitive training of auditory systems to target the verbal memory impairments in schizophrenia"

3:45-4:00 Break

4:00-5:45 Data Blitz 2: Brian Wiltgen, Mark Buckley, Chad Marsolek, Shayna Rosenbaum, Veronique Bohbot, Lee Ryan, Rachel Diana, Brandon Ally, Rosaleen McCarthy, Barbara Knowlton, Sue Becker, Daniela Montaldi

5:45-6:45 Business Meeting (only MDRS Members have to attend)

Sat., Sept. 8

8:00 - 8:45 Breakfast

8:45-10:25 Symposium: Examining the components of short term and long term visual memory

- Neal Cohen "Dependence of Relational Memory on Hippocampus at all Timescales"
- Steve Luck "Capacity and Precision in Visual Working Memory: Separating Quantity and Quality"
- Andrew Yonelinas (organizer) "Do recollection and familiarity contribute to STM and perception?"
- Marian Berryhill "Needing 'patients': determining the nature of parietal involvement in short- and long- term memory"

10:25-10:40 Break

10:40-12:00 Symposium: False recognition in Alzheimer's disease: Translation from animal models to the clinic (and back)

- Andrew Budson (organizer) "Understanding false recognition and response bias in Alzheimer's disease."
- David Gallo "Memory distortion in the memory disordered: An activation-monitoring framework."
- Lisa Saksida (organizer) "Psychological and neurobiological mechanisms underlying false recognition in a mouse model of Alzheimer's disease."
- Morgan Barense "False recognition in MCI and MTL amnesia: An interference-based account."

12:00 Adjourn