

# MDRS SCHEDULE Tucson 2005

## Wednesday Sept 28

5:30 PM - 7:30 PM Opening Reception -- Ventana Room

## Thursday Sept 29

7:30 - 8:00 Registration and Coffee Foyer

8:00 - 10:00 **SYMPOSIUM: Control of retrieval processing: Cognitive mechanisms and their neural correlates**

**ORGANIZER: MICK RUGG**

8:00 M. Rugg ERP and fMRI investigations of retrieval orientation  
8:30 I. Dobbins Decision rules versus retrieval operations: The role of right PFC during episodic retrieval  
9:00 S. Bunge Relational representation in anterior prefrontal cortex  
9:30 A. Budson The Distinctiveness heuristic as a retrieval orientation

10:00 - 10:30 **BREAK**

10:30 - 12:30 **SYMPOSIUM: Single case studies of amnesia**

**ORGANIZER: NEAL COHEN**

10:30 M. Moscovitch Hippocampal contributions to recollection in retrograde and anterograde memory: Evidence from a person with bilateral fornix and left basal forebrain lesions  
10:50 E. Maguire Navigation in an amnesic London taxi driver  
11:10 R. Morris Allocentric spatial memory in a patient with selective hippocampal damage  
11:30 S. Corkin Neuroimaging H.M.: A Ten-year Follow-up Examination  
11:50 B. Levine An update on isolated retrograde amnesic patient M.L.: Evidence from diffusion tensor imaging, fMRI, and the autobiographical interview  
12:10 N. Cohen & M. Duff Intact collaborative learning of descriptive labels for novel shapes in a patient with profound amnesia: Implications for issues of 'common ground', semantic learning, and relational memory

12:30 - 1:45 **LUNCH** (on your own)

2:00 - 4:00 **SYMPOSIUM: Can neuroimaging inform theories of mental structure? The nature of inferences in neuroimaging**

**ORGANIZER: RUSS POLDRACK**

- 2:00 R. Poldrack: The nature of inference in neuroimaging  
2:25 R. Henson: Qualitative differences in brain activity inform psychological theories  
2:55 M. Johnson: Using fMRI to explore components of reflective processing  
3:25 P. Fletcher: Can brain observations inform models of associative learning?  
3:55 M. D'Esposito Comment

**4:00 - 4:30 BREAK**

**4:30 - 5:30 CERMAK TRAVEL AWARD TALKS**

- 4:30 S. Rosenbaum The Fractionation of Remote Spatial Memory  
4:50 A. Gazzaley Top-down modulation of visual processing: At the crossroads of attention and memory  
5:10 D. Ghahremani Comparing the influences of informational feedback and monetary reward on probabilistic classification learning: an investigation using fMRI.

**6:15 Transport to Banquet (gather in hotel lobby)**

**6:30 - 10:30 Banquet at Stillwell House**

## **Friday Sept 30**

**7:30 - 8:00 Registration and Coffee**

**8:00 - 10:05 SYMPOSIUM: Neuroimaging and patient studies of autobiographical memory**

**ORGANIZERS: ROBERTO CABEZA AND MORRIS MOSCOVITCH**

- 8:00 M.P. McAndrews: The hippocampus is the hub of the autobiographical retrieval network  
8:25 M. Conway: Experiencing fantasies as memories: Dysfunctional auto-noetic consciousness  
8:50 P. Piolino: Neuroimaging of life-long episodic autobiographical memory  
9:15 D. Rubin: What it takes to have an autobiographical memory: Theory and data.  
9:40 S. Steinworth: Remote Autobiographical Memory: Evidence for a Role of MTL Structures from Behavioral, fMRI, and EEG Data.

**10:05 - 10:30 BREAK**

**10:30 - 11:30 DATA BLITZ**

- 10:30 A. Baddeley: Working memory and binding in a case of developmental amnesia  
 10:40 K. Norman: Tracking the dynamics of memory cuing using fMRI  
 10:50 P. Reuter-Lorenz: "False" working memories: Memory distortion in a mere four seconds  
 11:00 P. Reber: Acquisition of expertise  
 11:10 K. Paller: Subjective familiarity is neurally distinct from fluent conceptual processing  
 11:20 B. Postle & E. Feredoes: Does size matter? Quantitative and qualitative discrepancies between single-subject and normalized-group analysis approaches to fMRI  
**Box Lunch available for \$14.20 (ham or turkey sandwich, chips, beverage, cookie) -- orders MUST be placed no later than Thursday afternoon.**

**12:00 Eleanor Maguire: Cognitive Science Brown Bag  
 Cognitive maps, relational memory, sequences; what's the human hippocampus for?**

Marriott Hotel, Room TBA

**1:45 – 3:15 OPEN PAPER SESSION**

- 1:45 R. Buckner: A Theory of Alzheimer's Disease That Begins With Activity Patterns in Young Adults  
 2:00 C. Van Petten: Transfer appropriate processing reduces prefrontal engagement in a source memory task  
 2:15 C. Grady: Neural networks for autobiographical, 'laboratory' episodic and semantic memory  
 2:30 M. D'Esposito: "Where is the top in top-down control?"  
 2:45 M. Kopelman & Peter Bright: Hippocampal and parahippocampal atrophy: more means worse, not different.  
 3:00 D. Montaldi: Exploring the effects of fornix lesions on human memory

**3:15 – 3:45 BREAK**

**3:45 – 6:15 SYMPOSIUM: Relational binding in implicit, explicit and working memory: evidence from amnesia and neuroimaging**

**ORGANIZER: CHARAN RANGANATH**

- 3:45 C. Ranganath: Background, introduction, and objectives  
 4:15 D. Hannula: Hippocampus and Relational Memory Processing  
 4:45 J. Quamme: When does familiarity support associative recognition in amnesia?  
 5:15 M. Verfaellie: Scope and limits of hippocampal binding: evidence from amnesia  
 5:45 M. Kahana: Temporal Context and Episodic Memory

## **6:25 – 7:45 BUSINESS MEETING**

### **Agenda Items**

- Next year's meeting venue
- Process for selection of new members
  - Does limited membership still make sense
- Balance of "disorders" and "normal memory" in society's meetings
- Open session paper length: 15, 20, 25 min?
- Structure of MDRS – need for planning continuity and some access to funds
- Should there be a journal of Memory Disorders? If so, what role should MDRS play?

## **Saturday Oct 1**

**8:00 Registration and Coffee**

**8:30 – 11:30 SYMPOSIUM: Memory functions of the hippocampus and parahippocampal regions: Are they dissociable?**

**Organizer: Stefan Kohler**

- 8:30 S. Kohler: Introduction to the symposium and selected findings illustrating the controversy
- 9:00 L. Ryan & L. Nadel: Comparing spatial and nonspatial components of episodic and semantic memory retrieval
- 9:30 L. Davachi: Evidence for functional dissociations within MTL during episodic encoding
- 10:00 C. Stark: Items, Associations, And Pattern Separation
- 10:30 A. Yonelinas: Amnesia ROCKs
- 11:00 A. Mayes: Memory processing differences in the medial temporal lobes: How do we resolve conflicts in the evidence and its interpretation?

**SCIENTIFIC MEETING ENDS**

**Afternoon hike in desert for those who are interested (organized by Lee Ryan)**