Memory Disorders Research Society  
October 10-12, 2002  
San Francisco, CA

PROGRAM

Thursday, October 10

8:00  Continental breakfast

8:30  Symposium 1  Neural correlates of priming and other forms of non-declarative memory  
(Organizers: Alex Martin, Paul Reber, Russ Poldrack)

- 8:30-8:45  Alex Martin (NIMH)  
Introduction

- 8:45-9:10  Rik Henson (University College London, UK)  
Stimulus repetition effects in neuroimaging: When does one see increases, and when does one see decreases?

- 9:10-9:35  Anthony Wagner (MIT)  
Priming specificity: Insights into representation and process

- 9:35-10:00  Randy Buckner (Washington University)  
The ups and downs of neuroimaging priming

10:00-10:30  Coffee Break

- 10:30-10:55  Barbara Knowlton (UCLA)  
Implicit learning and the medial temporal lobe in Parkinson's disease

- 10:55-11:20  Russ Poldrack (UCLA)  
The role of the striatum in non-declarative memory

- 11:20-11:45  Paul Reber (Northwestern)  
Cortical non-declarative memory: Comparing evoked activity across categorization tasks

- 11:45-12:00  General Discussion

12:00-2:00  Lunch Break
2:00  Paper Session 1

- 2:00-2:20  Scott Small (Columbia)
Dissociating causes of memory disorders using 'microscopic-metabolic' MRI

- 2:20-2:40  Randy McIntosh (Rotman Research Institute)
Linking anatomy and function through neural context

- 2:40-3:00  Brad Postle (University of Madison-Wisconsin)
A distinct role for the caudate nucleus in spatial working memory

3:00-3:30  Coffee Break

3:30  Symposium 2  Recognition in amnesia
(Organizer: John Kihlstrom)

- 3:30-4:00  John Kihlstrom (UC Berkeley), Jennifer Dorfman (Northwestern)
Priming, Familiarity, and Recognition

- 4:00-4:30  Craig Stark (Johns Hopkins) and Larry Squire (UCSD)
Recognition memory and priming in severe amnesia

- 4:30-5:00  Mieke Verfaellie (BU), Maggie Keane (BU)
Familiarity and Recognition in Amnesia

- 5:00-5:30  Andy Yonelinas (UC Davis)
Sources of Familiarity

7:00 PM  Banquet at the Thirsty Bear
Friday, October 11

8:30   Continental Breakfast

9:00   Paper Session 2

• 9:00-9:20    Mick Rugg (University College London, UK)
               A familiarity signal in the anterior MTL?

• 9:20-9:40    Steve Petersen (Washington U)
               Memory modes and executive functions: is there fMRI evidence for separate mechanisms?

• 9:40-10:00   Roddy Roediger (Washington U)
               Forced recall creates illusory memories, especially in older adults

10:00-10:30  Coffee Break

10:30  Symposium 3   Role of perirhinal and parahippocampal cortex in learning and memory in monkeys and man
          (Organizer: Betsy Murray / Kim Graham)

• 10:30-11:00  Mark J. Buckley (Oxford, UK)
               The role of the macaque perirhinal cortex in object memory and perception

• 11:00-11:30  Timothy J. Bussey (Cambridge, UK)
               The role of perirhinal cortex in memory and perception: Conjunctive representations for object identification

• 11:30-12:00  Andy C. H. Lee (MRC Cognition and Brain Sciences Unit, UK)
               The role of the human perirhinal cortex in perceptual processing: Evidence from semantic dementia

• 12:00-12:30  Elizabeth A. Buffalo (NIMH)
               The perirhinal and parahippocampal cortices make distinct contributions to recognition memory

12:30-2:00  Lunch Break
2:00  Data Blitz

2:00-3:30  (Bentin, D’Esposito, Grady, Johnson, McDermott, Ober, Paller, Phelps, Simons)

3:30-4:00  Coffee Break

4:00 Symposium 4  Neuropsychology of Spatial Memory
(Organizer: Robin Morris)

• 4:00-4:25  Andrew Mayes (U. Sheffield, UK)
Retrieving episodic and semantic spatial memories: an fMRI study
with age
of memory as a factor

• 4:25-4:50  Stefan Köhler (U. Western Ontario)
Functional neuroimaging of memory for object locations and scenes

• 4:50-5:15  Neil Burgess (University College London, UK)
Hippocampus, space and memory

• 5:15-5:40  Robin Morris (Institute of Psychiatry, UK)
An fMRI study of allocentric and egocentric memory

• 5:40-6:05  Lucia Jacobs (UC Berkeley)
Unpacking the cognitive map: parallel mapping functions in the
hippocampus

6:05 Business Meeting
Saturday, October 12

8:30   Coffee and danish

9:00   Paper Session 3

•  9:00-9:20   William Beatty (U. Oklahoma Health Sciences Center)
              Music skill in dementia: a violin

•  9:20-9:40   Charan Ranganath (UC Davis)
              Tracing the paths to familiarity and recollection: an analysis of
              prefrontal and medial temporal contributions to memory formation

•  9:40-10:00  Ray Kesner (U. Utah)
              The role of the hippocampus in mediating spatial pattern separation
              in both rats and humans

10:00-10:30 Coffee Break

10:30  Symposium 5:  “Stimulus wars: Interference between stimuli in memory”
         (Organizer: Sergio Della Sala)

•  10:30-11:00 Sergio Della Sala (University of Aberdeen, UK)
             Dual task in Alzheimer’s Disease: A deficit of a specific executive
             capacity

•  11:00-11:30 Art Shimamura (UC Berkeley)
             Interference Effects Underlying Item/Source Tradeoff

•  11:30-12:00 Gordon D.A. Brown (University of Warwick, UK)
              Mathematical Models of Memory Deficits Within a Unitary
              Framework

•  12:00-12:30 Nelson Cowan (U. Missouri, Columbia), Nicoletta Beschin (Rehab
              Unit, Somma Lombardo, Italy), Sergio Della Sala
              Memory Disorder as Vulnerability to Interference

12:30 Adjourn