

**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. Scheffield, 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**

