

Memory Disorders Research Society Meeting, 1999

Wednesday Nov 10 Pre-Meeting Workshop

2:00 - 5:00 **Event-Related fMRI (Mark d'Esposito)**

*Presentations by **Geoff Aguirre** (Issues in experimental design for fMRI), **Randy Buckner** (Event-related fMRI designs with rapid presentation rates) and **Mark d'Esposito** (Empirical studies using event-related fMRI)*

Thursday Nov 11

8:00 - 9:45 **Data Blitz**

Brief (5-minute) presentations by B. Wilson, F. Huppert, D. Willingham, A. Mayes, B. Ober, K. Paller, I. Daum, N. Kapur, A. Martin, A. Shimamura, M. Johnson, L. Phelps, A. Yonelinas, A. Pickering, B. Knowlton, L. Ryan.

9:45 - 10:00 **Refreshment Break**

10:00 - 12:30 **Symposium I: Imaging of the Medial Temporal Lobes (Dan Schacter)**

D. Schacter: *Neuroimaging of encoding and retrieval in the medial temporal lobe*
A. Martin: *The medial temporal lobe and the automatic encoding of events*
J. Gabrieli: *Content specificity in medial temporal lobe activations*
R. Buckner: *Frontal and medial temporal contributions to episodic memory formation*

12:30 - 1:30 **Lunch Break**

1:30 - 4:00 **Symposium II: Topographical Amnesia (Mark d'Esposito)**

M. d'Esposito: *An introduction*
G. Aguirre: *A taxonomy of topographical disorientation: evidence from patient and functional imaging studies.*
M. Moscovitch: *Topographical memory in patients with medial temporal lobe damage*
A.D. Redish: *From place cells to episodic memory: Lessons from the animal literature*

4:15 **Bus >> Arizona Sonora Desert Museum**

4:45 - 8:30 **Tour of Museum and Dinner**

Friday Nov 12

8:00 - 10:30 **Symposium III: Nicotine and memory (Paul Solomon)**

- J. Disterhoft:** *Cholinergic contributions to trace eyeblink conditioning*
D. Woodruff-Pak: *Nicotinic modulation in a form of associative learning and memory*
C. Barnes: *Nicotine, long-term potentiation and memory*
P. Solomon: *Emerging treatments for AD: The possible role of nicotine*

11:00 - 12:30 **Open Papers I**

- H. Markowitsch:** *"Functional imaging results of affective old memories"*
B. Wilson: *"How does errorless learning work?"*
M. Kopelman: *"Retrograde amnesia and structural brain pathology: quantitative MRI findings"*
M. Rugg: *"Neural correlates of memory encoding: fMRI and electrophysiological findings"*

12:30 - 1:30 **Lunch**

1:30 - 4:00 **Symposium IV: Relation Between WM and LTM (Sue Corkin)**

- A. Baddeley:** *The episodic buffer: A suggested interface between long term and working memory*
S. Grossberg: *Neural dynamics of speech perception and word recognition*
R. Kesner: *Working (episodic) memory and long-term (perceptual) memory: Double dissociation between the hippocampus and parietal cortex*
J. Cohen: *Prefrontal cortex and the interactions between attention, working memory, and associative learning*

4:00 - 4:30 **Break**

4:30 - 6:30 **Open Papers II**

- A. Mayes:** *"Encoding and retrieval activations: A summary of our neuroimaging Results"*
C. Grady: *"Altered Functional Connectivity of Medial Temporal Cortex and Impaired Face Memory in Alzheimer's Disease"*
G. Dalla Barba: *"confabulation in Alzheimer's disease and frontotemporal dementia"*
K. Graham: *"Correlating performance on source monitoring and degree of medial temporal lobe atrophy in semantic dementia"*

Saturday Nov 13

8:00 - 10:30 Symposium V: **Animal Models of Amnesia (Betsy Murray)**

D. Mumby: *Memory consolidation and animal models of retrograde amnesia*

S. Zola: *Recognition memory in rats, monkeys, and humans: hippocampus, hippocampus, hippocampus*

B. Murray: *Perceptual-mnemonic functions of the perirhinal cortex*

D. Gaffan: *Dense amnesia in the monkey*

10:30 - 11:00 **Break**

11:00 - 1:30 Symposium VI: **Source Memory (Betty Glisky)**

B. Glisky: *Source memory deficits in older adults: An encoding or retrieval problem.*

C. Van Petten: *Electrophysiological comparisons of source and item memory*

M. Johnson: *fMRI evidence for age-related feature binding deficits at encoding: Part of the aging and source memory story.*

A. Shimamura: *The role of attention in encoding and recollecting source information.*

1:30 - 2:30 **Lunch**

2:30 - 5 **Desert Hike**