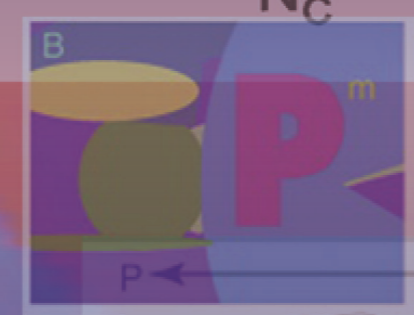




Cortical and subcortical functions in complex behaviour

A symposium in honour of David Gaffan



Sponsored by:
Experimental Psychology Society
European Brain and Behaviour Society

Sunday 25th September

Session 1: Interaction and integration

Chair: Mark Buckley

9.00am	Welcome	
9.10am	Dick Passingham	Understanding how the brain works as a whole
9.45am	Michael Petrides	Fronto-parietal interactions in working memory
10:20am	Betsy Murray	What's it worth? Orbital prefrontal cortex contributions to reward-based decision making
10:55am	Coffee	
11.15am	Anna Mitchell	Cortical and subcortical contributions to learning and memory in the macaque
11.50am	Larry Weiskrantz	Awareness in blindsight: frontality and Fourier
12.25pm	General Discussion	
12.45pm	Lunch (not provided)	

Session 2: Perception, learning and memory:

Parallel studies in animals and humans

Chair: Betsy Murray

2.00pm	Tim Bussey	The representational-hierarchical view of ventral visual-perirhinal-hippocampal function: Early work with animal models
2.35pm	Kim Graham	The importance of visual category and visual similarity in eliciting involvement of medial temporal lobe structures in perception and memory
3:10pm	Morgan Barense	Perceiving, remembering, and resolving interference: The role of complex perirhinal representations
3:45pm	Tea	
4:05pm	Andrew Mayes	Functional heterogeneity in the medial temporal lobes and their connections, but for what?
4:40pm	John O'Keefe	Inputs to the hippocampal cognitive map
5:15pm	General Discussion	
7:30pm	Conference Dinner, Queen's College	

Monday 26th September

Session 3: Medial temporal lobe: Linking objects to contexts

Chair: John Duncan

9.00am	Madeline Eacott	Remembrance of times past: dissociations within the medial temporal lobe
9.35am	Alex Easton	Acetylcholine, Alzheimer's and episodic memory
10:10am	John Aggleton	What's wrong with memory systems (?)
10:45am	Coffee	
11:05am	Malcolm Brown	Neural substrates of recognition memory
11.40am	Yasushi Miyashita	Neural mechanisms of memory of objects in the primate temporal cortex: local circuits and beyond
12.15pm	General Discussion	
12.45pm	Lunch (not provided)	

Session 4: Cognition, emotion and the prefrontal cortex

Chair: Madeline Eacott

2.00pm	Mark Buckley	Effects of selective frontopolar lesions in macaque monkeys on behavioural tasks assessing mnemonic and executive function
2:35 pm	Steve Wise	Prospective coding of goals by prefrontal cortex neurons: Unwanted detection, unexpected absence
3:10pm	Stefan Everling	Top-down control of the superior colliculus by the prefrontal cortex
3:45pm	Tea	
4:05pm	Matthew Rushworth	The cingulate gyrus and social cognition
4:40pm	John Duncan	A core brain system for intelligent behaviour
5:15pm	General Discussion	
5:45pm	David Gaffan: Closing remarks	