

The ARC Centre of Excellence in Cognition and its Disorders (CCD) offers unique opportunities for interdisciplinary and international collaborative research in the study of cognition, its disorders, and their treatment.

Potential CCD 2012 Honours supervisors

**Professor Stephen Crain
(Director)**

My research is in three areas of the psychology of language: child language acquisition, adult language processing, and neurolinguistics.

A/Prof Amanda Barnier

Some of my research focuses on the relationship between individual, autobiographical memory, social memory (memory of groups), and collective memory. I adapt and extend cognitive paradigms of memory (e.g., directed forgetting, retrieval-induced forgetting, social contagion, collaborative recall) to manipulate and explore the individual and social factors that influence what we remember versus forget from our past.

A/Prof Amanda Barnier & Dr Rochelle Cox

Our research uses hypnosis to try to recreate clinical conditions of delusion and confabulations in the laboratory, and then investigate their underlying causes and ways to challenge and resolve them.

Dr Jon Brock

My research focuses on the cognitive and neural mechanisms involved in developmental disorders such as autism, Williams syndrome, Down syndrome and specific language impairment.

Dr Matthew Finkbeiner

I am interested in perception and action. Specifically, I investigate how different cognitive faculties (e.g. attention, intention, consciousness) influence our ability to identify objects and to formulate appropriate actions for those objects.

Dr Jason Friedman

My research focuses on using arm movements as a novel way of studying cognitive processes. I use these techniques to look at how we make simple decisions.

Dr Blake Johnson

My research uses brain imaging techniques to study perception, mental imagery, and action representation in the human brain.

A/Prof Robyn Langdon

My honours supervision covers such topics as delusion proneness, social cognition (in particular theory of mind and empathy) and personality traits, including schizotypy and callous affect.

Dr Genevieve McArthur

I am interested in the cross validation of a new "gaming" EEG/ERP system with a more traditional research EEG/ERP system.

Dr Anina Rich

My research focuses primarily on two different aspects of sensory processing: the mechanisms and influences of selective attention, and the way in which the brain integrates information, including unusual occurrences of integration such as Synaesthesia.

Dr Paul Sowman

I study neural control of human movements. I use neurophysiological techniques that include: electromyography (EMG), electroencephalography (EEG), magnetoencephalography (MEG) and transcranial magnetic stimulation (TMS) to study how brain and muscles interact in health and disease. I have particular interests in the control of speech related movements and the effects of pain on movement control.

Professor John Sutton

I work in the philosophy of cognitive science, with particular interests in autobiographical memory, distributed cognition, social memory and collaborative cognition, embodied expertise and skill memory.

A/Prof Mark Williams

My research focuses primarily on the cognitive and neural mechanisms involved in face and facial expression perception. I am also interested in other aspects of perception such as the way we process other objects and complex scenes.

A/Prof Veronika Coltheart

My major interest is in studying comprehension and recall of rapidly presented visual material, repetition blindness, attentional blink and short-term memory.

A/Prof Sachiko Kinoshita

I am interested in cognitive processes in general, and my research to date has been in the areas of visual word recognition, implicit memory (repetition priming); reading; unconscious (automatic) processes, and semantic priming effects amongst other topics.

Dr Rosalind Thornton

My research is in child language, and most of my research to date has focused on children's acquisition of syntax, or grammatical structure.

The Future: Postgraduate Research at CCD

Supervision at CCD

CCD staff can supervise students undertaking a PhD (or the research component of a Masters or Doctor of Psychology).

Seminars, Conferences and Discussion Groups

CCD regularly hosts seminars, conferences and discussion groups in areas relevant to Cognitive Science. These activities provide a forum for students to interact with other researchers to discuss developments in their field of research. These are listed on our website www.ccd.edu.au or maccs.mq.edu.au

Scholarships and Awards

PhD scholarship information is available on the Higher Degree Research Office (HDRO) website: <http://www.hdr.mq.edu.au/>

PhD Format

PhD students are advised to submit their PhD as a series of journal articles formatted for publication submission with appropriate introductory and summary chapters that demonstrate the contribution of the PhD to the field.

Want more information about MACCS?

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Website: ccd.edu.au or www.maccs.mq.edu.au