



Research Fellow

Department/Unit	School of Psychological Sciences
Faculty/Division	Faculty of Medicine Nursing and Health Sciences
Classification	Level A
Work location	Clayton campus
Date document created or updated	2018

Organisational context

Everyone needs a platform to launch a satisfying career. At Monash, we give you the space and support to take your career in all kinds of exciting new directions. You'll have access to quality research, infrastructure and learning facilities, opportunities to collaborate internationally, as well as the grants you'll need to publish your work. We're a university full of energetic and enthusiastic minds, driven to challenge what's expected, expand what we know, and learn from other inspiring, empowering thinkers. Discover more at www.monash.edu

The **Monash School of Psychological Sciences** is ranked among the best in the world. Through excellence in teaching, research, and research training, our School's vision is to discover the neurobiological and psychological basis of cognition, emotive and mental disorders across the lifespan and to develop innovative evidence-based clinical programs to address the major societal challenges posed by these disorders. Our education programs provide students with a strong foundation across a range of interdisciplinary fields of psychology, neurology, molecular genetics, statistics, and computational neuroscience. For more information about us and the work we do, please visit www.med.monash.edu.au/psych/

Housed within the School of Psychological Sciences, the **Monash Institute of Cognitive and Clinical Neurosciences (MICCN)** is a world-leading institute dedicated to making significant contributions to basic and translational research, clinical care, and research training in neuroscience. Since its establishment in 2015, MICCN has brought together internationally renowned neuroscientists to develop integrated models of human disease that cover traumatic brain injury, post-traumatic stress disorder, neurodegeneration, mental health and neurodevelopmental disorders. The Institute represents the largest grouping of cognitive and clinical neuroscientists in Australia and Asia Pacific. To learn more, please visit www.monash.edu/neuro-institute

Position purpose

A Level A research-only academic is expected to contribute towards the research effort of the university and to develop their research expertise through the pursuit of defined projects relevant to the particular field of research.

The purpose of this position is to work on an ARC funded discovery project awarded to Professor Mark Bellgrove, Associate Professor Redmond O'Connell, and Dr James Coxon. You will be part of a research program investigating the cognitive neuroscience of attention and decision making. Your primary responsibility will be to drive forward research combining non-invasive brain stimulation and recording (TMS-EEG) to understand the causal influence of attentional selection on perceptual decision making. This will comprise experiment design, along with the acquisition and analysis of electrophysiological and behavioural data from healthy human participants.

Reporting Line: The position reports to Professor Mark Bellgrove

Supervisory responsibilities: This position may involve direct supervision of honours students and or co-supervision of doctoral students

Financial delegation and/or budget responsibilities: Not applicable

Key responsibilities

Specific duties required of a Level A research-only academic may include:

1. The conduct of research under limited supervision either as a member of a team or, where appropriate, independently and the production or contribution to the production of conference and seminar papers and publications from that research
2. Involvement in professional activities including, subject to availability of funds, attendance at conferences and seminars in the field of expertise
3. Limited administrative functions primarily connected with the area of research of the academic
4. Development of a limited amount of research-related material for teaching or other purposes with appropriate guidance from other staff
5. Occasional contributions to teaching in relation to their research project(s)
6. Experimental design and operation of advanced laboratory and technical equipment or conduct of advanced research procedures
7. Attendance at meetings associated with research or the work of the organisational unit to which the research is connected and/or at departmental, school and/or faculty meetings and/or membership of a limited number of committees
8. Advice within the field of the staff member's research to postgraduate students

Key selection criteria

Education/Qualifications

1. The appointee will have:
 - a doctoral qualification in the relevant discipline or a closely related field (e.g., psychology, neuroscience, biology, physiology, medicine etc.)

Knowledge and Skills

2. Demonstrated analytical and manuscript preparation skills; including a track record of refereed research publications
3. Ability to solve complex problems by using discretion, innovation and the exercise diagnostic skills and/or expertise
4. Well-developed planning and organisational skills, with the ability to prioritise multiple tasks and set and meet deadlines
5. Excellent written communication and verbal communication skills with proven ability to produce clear, succinct reports and documents
6. A demonstrated awareness of the principles of confidentiality, privacy and information handling
7. A demonstrated capacity to work in a collegiate manner with other staff in the workplace
8. Demonstrated computer literacy and proficiency in the production of high level work using software such as Microsoft Office applications and specified University software programs, with the capability and willingness to learn new packages as appropriate
9. Demonstrated computer programming ability (e.g. portfolio of work via GitHub or Jupyter notebook)
10. Ability to run experimental sessions independently (preferably involving either TMS or EEG)

Other job related information

- Travel to other campuses of the University may be required
- There may be a requirement to work additional hours from time to time
- There may be peak periods of work during which taking of leave may be restricted

Legal compliance

Ensure you are aware of and adhere to legislation and University policy relevant to the duties undertaken, including: Equal Employment Opportunity, supporting equity and fairness; Occupational Health and Safety, supporting a safe workplace; Conflict of Interest (including Conflict of Interest in Research); Paid Outside Work; Privacy; Research Conduct; and Staff/Student Relationships.