

SENIOR RESEARCH FELLOW IN NEUROIMAGING

DEPARTMENT/UNIT	School of Psychological Sciences
FACULTY/DIVISION	Faculty of Medicine, Nursing and Health Sciences
CLASSIFICATION	Level C
DESIGNATED CAMPUS OR LOCATION	Clayton campus

ORGANISATIONAL CONTEXT

At [Monash](#), work feels different. There's a sense of belonging, from contributing to something ground-breaking – a place where great things happen. You know you're part of something special and purposeful because, like Monash, your ambitions drive you to make change.

We have a clear purpose to deliver ground-breaking intensive research; a world-class education; a global ecosystem of enterprise – and we activate these to address some of the [challenges](#) of the age, Climate Change, Thriving Communities and Geopolitical Security.

We welcome and value difference and [diversity](#). When you come to work, you can be yourself, be a change-maker and develop your career in exciting ways with curious, energetic, inspiring and committed people and teams driven to make an impact – just like you.

Together with our [commitment to academic freedom](#), you will have access to quality research facilities, infrastructure, world class teaching spaces, and international collaboration opportunities.

We champion an [inclusive workplace culture](#) for our staff regardless of ethnicity or cultural background. We have also worked to improve [gender equality](#) for more than 30 years. Join the pursuit of our purpose to build a better future for ourselves and our communities – [#Changelt](#) with us.

The Faculty of **Medicine, Nursing and Health Sciences** is the largest faculty at Monash University, a global university with campuses across Victoria and international locations in Indonesia, Malaysia, China, India and Italy.

Our Faculty offers the most comprehensive suite of professional health training in Victoria, consistently ranked in the top 40 universities worldwide for clinical, pre-clinical and health sciences.

We want to improve the human condition. That is our vision - it has no expiration date. By educating the current and future healthcare workforce, and undertaking medical research, both discovery and clinical, our students, staff and alumni all work to directly improve people's quality of life, reduce health inequality and promote greater health and social outcomes.

We're globally recognised for our quality education of over 63,000 doctors, nurses, and allied health professionals and health researchers. The future health of our communities is underpinned by the sustained excellence of our education and research capabilities.

We are ambitious and committed to maintaining our position as a leading international medical research and teaching university. We're recognised for the quality of our graduates, the scale and depth of our research, our commitment to translational research, and as a thriving biotechnology hub. To learn more about the Faculty, please visit www.monash.edu/medicine.

Our Faculty includes four Sub-Faculties: Health Sciences, Clinical and Molecular Medicine, Biomedical Medicines, and Translational Medicine and Public Health.

The **Monash School of Psychological Sciences** is ranked among the best in the world. Its mission is to develop students and research outcomes that will make significant contributions to improving the lives of others both locally and globally. The School will make significant and long-lasting impacts that change the world around us, beginning in infancy and across the lifespan. Drawing on the expertise of our staff and the University's unique research platforms and technology, we will sustain and build on Monash's position with world-class research and training in Psychology.

For more information about us and the work we do, please visit www.med.monash.edu.au/psych/

The **Turner Institute for Brain and Mental Health** is making a difference to the lives of vulnerable populations across Australia and beyond. Housed within the School of Psychological Sciences, the Turner is responding to the grand challenge of mental health by creating a world of mentally healthy communities. We take an inclusive, lifespan and community-based approach to empower all members of society to live well and productively, for longer.

We are the home to world-leading researchers and clinicians who have exceptional capabilities in both discovery science and translation. Our Turner Clinics represent our translational arm and provide psychological services to over 2000 clients across Victoria with a focus on trauma, sleep health, concussion, lifestyle interventions, neurorehabilitation and neurodevelopment. Over the next five years we aim to be the nation's top Institute for preventative mental and brain health.

To learn more, please visit www.monash.edu/turner-institute/research

POSITION PURPOSE

A Level C research-only academic is expected to make independent or original contributions to the research effort within their field of expertise and to the organisational unit or inter-disciplinary area of which they are a part. An academic at this level is expected to play a major role in research including the exercise of some leadership in research.

The Senior Research Fellow will drive neuroimaging research in alcohol use disorder, including functional neuroimaging analysis and development of neuroimaging-guided intervention approaches. This position will work as part of the Addiction and Impulsivity Research lab (<https://www.monash.edu/medicine/psych/antonio-verdejo-garcia-lab/home>), and specifically within a multidisciplinary project team of neuroimagers, modellers, neurostimulation experts and clinical scientists interested in developing novel personalised interventions for addiction.

Reporting Line: The position reports to the chief investigator of the grant

Supervisory Responsibilities: Not applicable

Financial Delegation: Not applicable

Budgetary Responsibilities: Not applicable

KEY RESPONSIBILITIES

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

1. The conduct of research and the production of conference and seminar papers and publications from that research
2. Supervision of research-support and administrative staff involved in the staff member's research
3. Supervision, where appropriate, of the research of less senior research-only Academic staff
4. Involvement, where appropriate, in the promotion of research links with outside bodies
5. Preparation of research proposal submissions to external funding bodies
6. Significant role in research projects including, where appropriate, leadership of research teams or management of projects
7. Responsibility for the oversight of financial management of grants received for their research projects
8. Involvement in professional activities including, subject to availability of funds, attendance at conferences and seminars in the field of expertise
9. Occasional contributions to the teaching program within the field of the staff member's research
10. Supervision of major honours or postgraduate research projects within the field of the staff member's area of research
11. Various research-related administrative functions
12. 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 a major role in planning and committee work
13. Other duties as directed from time to time

KEY SELECTION CRITERIA

Education/Qualifications

1. The appointee will have:
 - A doctoral qualification in the relevant discipline area (e.g. Psychology, Neuroscience) or equivalent accreditation and standing together with subsequent research experience.

Knowledge and Skills

2. Demonstrated and strong record of publications, conference papers, reports and/or professional and/or technical contributions in the relevant discipline area
3. Proven track record of obtaining significant external grants for research
4. Experience in successfully supervising, mentoring and coaching to support the development of research staff and in establishing and leading a successful research team and/or demonstrated evidence of leadership capability
5. Experience in supervising and working with major honours, postgraduate research projects and/or and the co-supervision of PhD students

6. The ability to work independently in a research environment and as part of an inter-disciplinary research team
7. High level organisational skills, including the ability to plan and manage the use of research funds, with demonstrated capacity to establish and achieve goals
8. Excellent written and oral communication skills including the ability to prepare and communicate the aims and outputs of research projects in a range of formats
9. A demonstrated capacity to work in a collegiate manner with other staff in the workplace
10. Experience with the processing of resting-state functional MRI data
11. Experience with brain connectivity methods, particularly with dynamic causal modelling
12. Previous experience in applying machine learning methods to imaging data

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

GOVERNANCE

Monash University expects staff to appropriately balance risk and reward in a manner that is sustainable to its long-term future, contribute to a culture of honesty and integrity, and provide an environment that is safe, secure and inclusive. Ensure you are aware of and adhere to University policies relevant to the duties undertaken and the values of the University. This is a standard which the University sees as the benchmark for all of its activities in Australia and internationally.