



# RESEARCH FELLOW, MHEALTH DATA ANALYTICS

DEPARTMENT/UNIT	School of Psychological Sciences
FACULTY/DIVISION	Medicine Nursing and Health Sciences
CLASSIFICATION	Level A
WORK LOCATION	Clayton campus

## ORGANISATIONAL CONTEXT

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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](http://www.monash.edu).

The **Faculty of Medicine, Nursing and Health Sciences**, is the largest faculty at Monash University, and offers the most comprehensive suite of professional health training in Victoria. We consistently rank 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. Through academic health centres, other translational models and by educating the healthcare workforce of the future, our staff, students and alumni directly improve quality of life.

Setting the global health care agenda, the Faculty aspires to lead in all areas of research activity and influence local, national and international policy to improve health and social outcomes and health inequalities. We've made a major impact in the world of medical research and become globally recognised for our quality education of over 41,000 doctors, nurses, and allied health professionals.

We are ambitious and aim to maintain our position as a leading international medical research university. We're recognised for the breadth and depth of our research, for our commitment to translational research, for the quality and scale of our research capability, and as a thriving biotechnology hub. To learn more about the Faculty, please visit [www.monash.edu/medicine](http://www.monash.edu/medicine).

The **Monash School of Psychological Sciences** is ranked among the best in the world. Our School's mission is to develop students and research outcomes that make significant contributions to improving the lives of others globally. Our overarching vision is to make significant and long-lasting impact that changes 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, our mission is to sustain and build on Monash's position with world-class research and teaching in Psychology. For more information about us and the work we do, please visit [www.med.monash.edu.au/psych/](http://www.med.monash.edu.au/psych/).

Housed within the School of Psychological Sciences, the **Turner Institute for Brain and Mental Health** is a world-leading institute dedicated to making significant contributions to basic and translational research, clinical care, and research training in brain and mental health. The Institute represents the largest grouping of cognitive and clinical neuroscientists in Australia and Asia Pacific. To learn more, please visit [www.monash.edu/turner-institute/research](http://www.monash.edu/turner-institute/research).

## POSITION PURPOSE

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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 position will both generate novel, impactful research and deliver effective implementation of digital platforms in the context of the Turner Institute's Digital Mental Health strategy, with potential exciting applications across all research programs within the institute. The position will leverage specialist expertise within the Institute from areas including mHealth, statistical modelling, mental health and wellbeing, and field-based studies.

**Reporting Line:** The position reports to Director, Turner Institute for Brain and Mental Health

**Supervisory Responsibilities:** None

**Financial Delegation:** None

**Budgetary Responsibilities:** None

## KEY RESPONSIBILITIES

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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. Implement and provide analytics for a novel, multifaceted community digital mental health platform utilised by various stakeholders
3. Keep abreast of developments in relevant fields and maintain a proactive approach to flexibly providing upgrades and implementation of new systems and pipelines
4. Involvement in professional activities including, subject to availability of funds, attendance at conferences and seminars in the field of expertise
5. Limited administrative functions primarily connected with the area of research of the academic
6. Development of a limited amount of research-related material for teaching or other purposes with appropriate guidance from other staff
7. Occasional contributions to teaching in relation to her/his research project(s)
8. Experimental design and operation of advanced laboratory and technical equipment or conduct of advanced research procedures
9. 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
10. Attendance at meetings of other international research groups to which the appointee's organisational unit is connected, with extended stays at such groups as required
11. Advice within the field of the staff member's research to postgraduate students

## KEY SELECTION CRITERIA

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### Education/Qualifications

1. The appointee will have:
  - A Masters or PhD in any of the following: IT and computer science, data analytics, engineering, psychology, neuroscience, mathematics, or a cognate discipline from a recognised university or equivalent qualifications and research experience in the area
  - an equivalent combination of relevant industry experience and/or education/training

### Knowledge and Skills

2. Demonstrated analytical and manuscript preparation skills particularly those in the fields of brain, biology and/or mental health
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. The ability to prepare and communicate as part of an interdisciplinary team as well as work autonomously when required.
8. Exceptional analytical and statistical analysis skills (i.e., machine learning skills), experience in handling large datasets and reasonable proficiency in React Native, Python and R languages, amongst others.
9. The curiosity, flexibility and agility required to follow and incorporate the latest trends and advances in software development, mHealth and digital (mental) health

## OTHER JOB RELATED INFORMATION

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- 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

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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.