

# RESEARCH OFFICER

DEPARTMENT/UNIT	Department of Physiology, Monash Biomedicine Discovery Institute & School of Public Health and Preventive Medicine
FACULTY/DIVISION	Faculty of Medicine, Nursing and Health Sciences
CLASSIFICATION	HEW Level 5
DESIGNATED CAMPUS OR LOCATION	Clayton campus

## ORGANISATIONAL CONTEXT

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At [Monash](#), work feels different. There's a sense of belonging, from contributing to something groundbreaking – 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.

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](http://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 Biomedicine Discovery Institute (BDI)** is one of the largest and most dynamic biomedical research and teaching environments in Australia. The Institute and its cognate Departments of Anatomy and Developmental Biology, Biochemistry and Molecular Biology, Microbiology, Pharmacology and Physiology comprise over 120 research groups and deliver discipline-focused teaching into our flagship Bachelor of Biomedical Science Degree, the Bachelor of Science Degree, as well as the Medical School and various Health-related Degree Programs. We pride ourselves on an excellent and evolving teaching curriculum and provide world-class teaching and learning space for Biomedical Sciences.

The BDI comprises six inter-disciplinary health-focused research Programs, each led by a renowned leader in the field. The BDI programs include Infection and Immunity, Cancer, Cardiovascular Disease, Development and Stem Cells, Metabolism, Diabetes and Obesity and Neuroscience. The BDI works closely with clinical and drug development precincts at Monash and has a number of major industry partnerships to facilitate the translation of our research; and will be closely aligned with the Victorian Heart Hospital (VHH), which is being built on the Clayton Campus. For more information about the BDI please visit our website at [www.monash.edu.au/discovery-institute](http://www.monash.edu.au/discovery-institute).

**The Department of Physiology** is one of five Departments of the School of Biomedical Sciences. Its goal is to further knowledge in the field of animal physiology and to communicate that knowledge effectively to students, professionals in the field and to the community at large. The Department seeks to achieve these objectives by conducting vigorous and expanding research programs, and by fostering excellence in teaching.

Research within the Department of Physiology covers a wide range of integrative, cellular and molecular physiology, with particular strengths in sensory and systems neurosciences, cardiovascular and renal physiology, and metabolic disease. It is anticipated that the Department will play an important role in providing research underpinning the new heart hospital to be built on the Clayton Campus. Further details about the department can be found at:

[www.med.monash.edu.au/physiology/](http://www.med.monash.edu.au/physiology/)

The **Sustainable Mobility and Safety Research Group**, in the School of Public Health and Preventive Medicine, are the leading active transport research group in Australia. They conduct interdisciplinary research in partnership with government, industry, not-for-profit organisations and the community, which advance the sustainability, equity and safety of mobility. The group brings together experts in areas such as public health, urban and transport planning, engineering, complex systems science, behaviour change, living labs and community engagement to tackle the complexity of how we increase the uptake of active mobility. They push the boundaries of technology and innovation in pursuit of global challenges, and foster the next generation of interdisciplinary systems thinkers.

Monash and the Faculty of Medicine, Nursing and Health Sciences values staff diversity and champions inclusive practices. We are committed to equitable decision making and apply the principles of [achievement relative to opportunity](#) in our selection processes.

## POSITION PURPOSE

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The Research Officer provides a variety of high-quality research services to support the operations of the Exercise Physiology and Environment Health Research Laboratory, Department of Physiology and the Sustainable Mobility and Safety Research Group, School of Public Health and Preventative Medicine. The Research Officer performs a range of research activities to support the delivery of a National Health and Medical Research Council (NHRMC) Ideas Grant (GNT 2028270). The overall aim of the project is to develop novel and validated tools to measure people's experiences while riding, and employ these to inform the types of bike infrastructure that are needed to enable a diversity of people to ride.

The Research Officer will project manage and conduct physiological experiments with participants while they are riding on a virtual reality (VR) bike simulator. The role includes undertaking tasks such as experiments, trial coordination, using specialized equipment, developing operating procedures, data collection and analysis, research administration, computing, planning and scheduling, while ensuring a compliant and safe research environment.

The Research Officer operates with a focus on excellence in process and judgment and provision of sound and timely advice and support to researchers, participants and other stakeholders.

**Reporting Line:** The position reports to the Head of Exercise Physiology and Environmental Health laboratory

**Supervisory Responsibilities:** Not applicable

**Financial Delegation:** Not applicable

**Budgetary Responsibilities:** Not applicable

## KEY RESPONSIBILITIES

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1. Support the achievement of research outcomes by undertaking a range of research and administrative support tasks including scheduling bookings, administering experiments, treatments or questionnaires, data collection, input and analysis and preparing results in accordance with established research objectives, timeframes and protocols
2. Coordinate ethics, participant recruitment, physiological experiments and the operation of the VR bike simulator
3. Keep abreast of developments, activities and protocols in area of expertise through liaison with staff and peers, reading relevant literature and attending meetings and seminars
4. Assist in preparing documentation reports and other documentation, including undertaking literature reviews and data analysis
5. Comply with established research methodology, policy, protocols, OHS and regulatory requirements
6. Participate in and implement continuous improvement activities relating to project, research or technical procedures and quality assurance standards
7. Maintain open and effective channels of communication with colleagues, research collaborators and other stakeholders to support and facilitate research objectives
8. Other duties as directed from time to time

## KEY SELECTION CRITERIA

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### Education/Qualifications

1. The appointee will have:
  - A tertiary qualification in a relevant field; or
  - substantial relevant skills and work experience; or
  - an equivalent combination of relevant experience and/or education/training.

### Knowledge and Skills

2. Sound analytical, technical and data analysis skills and a demonstrated capacity to apply effective technical methods, processes and systems
3. Strong organisational skills, including the ability to set priorities, manage time and plan work to meet deadlines
4. Demonstrated project administration skills with the ability to support research projects accordance with agreed standards and timeframes
5. Ability to work as an effective member of a team as well as independently under general supervision
6. Strong attention to detail and accuracy and an understanding of confidentiality, privacy and information handling principles
7. Well-developed communication skills, including the ability to draft a range of documentation
8. A high level of computer literacy, including demonstrated experience in learning and adopting new software packages as required
9. Experience in physiological monitoring and human experiments

## 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
- A current satisfactory Working With Children Check is required

## 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.