



RESEARCH FELLOW

DEPARTMENT/UNIT	Australian Regenerative Medicine Institute
FACULTY/DIVISION	Faculty of Medicine Nursing and Health Sciences
CLASSIFICATION	Level A
WORK LOCATION	Clayton campus

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.

Established through a joint venture between Monash University and the Victorian Government, the **Australian Regenerative Medicine Institute (ARMI)** builds on the University's existing strengths in biomedical research, and supports the critical infrastructure required to deliver the next generation of discoveries in regenerative medicine.

ARMI is located at one of the world's largest regenerative medicine and stem cell research centres, at the Clayton Campus. Its scientists have a focus on unravelling the basic mechanisms of the regenerative process, enabling doctors to prevent, halt and reverse damage to vital organs due to disease, injury or genetic conditions.

ARMI's Mission is to address the unanswered questions with a multi-centre, cross-disciplinary and highly focused approach, for the development of innovative clinical protocols as well as the pursuit of rapid commercial transfer of its technologies related to regenerative medicine. A core element of the ARMI is the creating and supporting the scientific leaders of tomorrow through the Future Scientific Leaders Program based on the model at the world-renowned European Molecular Biology Laboratories (EMBL) established throughout Europe. The program facilitates collaboration between the scientific leaders of today and providing young scientists with the freedom to pursue discovery-based research and position them to become the scientific leaders of tomorrow.

The Australian Regenerative Medicine Institute currently has 17 research groups and a total of 270 researchers, students and support staff from 21 different countries. Its location on the Monash University campus offers a highly stimulating biomedical research environment allowing Institute researchers to work closely with other university research organisations including the Monash Institute for Medical Engineering (MIME) and Biomedical Discovery Institute (BDI) and CSIRO, one of Australia's leading multi-disciplinary research institutions. The vision promoted at ARMI is to exploit and connect the multi-disciplinary of its groups, aligning their complementary capacities around key research pipelines; Heart and muscle development and regeneration, Immunity and Regeneration, Stem cells, Cancer and Regeneration and Neural regeneration.

POSITION PURPOSE

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

The newly established Group of Dr Jennifer Zenker at the Australian Regenerative Medicine Institute, Monash University is seeking a highly motivated, creative thinking and passionate Research Fellow.

In recent years, it has become evident that different cell types organise their microtubules in specific patterns to fulfil specialised functions. However, it remains unknown how microtubules form, re-arrange or switch from a centrosomal to a non-centrosomal organisation during cell differentiation in a physiological 3D environment.

As part of the Zenker group, the Research Fellow will use innovative live imaging technologies to unravel the real-time processes of microtubule remodelling during embryonic development and tissue formation of mammals.

Reporting Line: The position reports to the Group Leader under general direction

Supervisory Responsibilities: Not applicable

Financial Delegation: Not applicable

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 qualifications in the relevant discipline or a closely related field (e.g. Immunology, Neuroscience, Biomedical Sciences, Cell & Molecular biology and/or Biochemistry)

Knowledge and Skills

2. Demonstrated analytical and manuscript preparation skills; including a track record of refereed research publications
3. Demonstrated experience in relevant mammalian cell/tissue culture and immunology techniques with knowledge in the following categories: monocyte and/or activated T cell and/or neuronal cell culturing and differentiation
4. Proficiency with routine cell biology and molecular biology laboratory techniques including fluorescent immunohistochemistry/microscopy, flow cytometry, CRISPR and/or RNAi
5. Well-developed planning and organisational skills, with the ability to prioritise multiple tasks and set and meet deadlines
6. Excellent written communication and verbal communication skills with proven ability to produce clear, succinct reports and documents
7. A demonstrated awareness of the principles of confidentiality, privacy and information handling
8. A demonstrated capacity to work in a collegiate manner with other staff in the workplace
9. 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

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
- There may be a requirement to work evenings and weekends from time to time
- A current valid Police Check is required

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.