



Research Fellow

Department/Unit	Australian Regenerative Medicine Institute
Faculty/Division	Faculty of Medicine Nursing and Health Sciences
Classification	Level B
Work location	Clayton campus
Date document created or updated	April 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.

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 are focused 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 15 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 B research-only academic is expected to carry out independent and/or team research within the field in which they are appointed and to carry out activities to develop their research expertise relevant to the particular field of research.

The McGlinn lab aims to elucidate novel gene regulatory networks driving growth and patterning of the early embryo. Specifically, they combine complex mouse genetics, pluripotent stem cell differentiation protocols and advanced genomic technologies to elucidate regulatory mechanisms upstream and downstream of Hox gene networks in the context of formation of the vertebral column and spinal cord.

Reporting Line: The position reports to Associate Professor Edwina McGlinn

Supervisory Responsibilities: Not applicable

Financial Delegation: Not applicable

Budget Responsibilities: Not applicable

Key Responsibilities

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

1. The conduct of research either as a member of a team or independently and the production of conference and seminar papers and publications from that research
2. Supervision of research-support staff involved in the staff member's research
3. Guidance in the research effort of junior members of research-only Academic staff in their research area
4. Contribution to the preparation or, where appropriate, individual preparation of research proposal submissions to external funding bodies
5. Involvement in professional activities including, subject to availability of funds, attendance at conferences and seminars in the field of expertise
6. Administrative functions primarily connected with their area of research
7. Occasional contributions to the teaching program within the field of the staff member's research
8. Co-supervision or, where appropriate, supervision of major honours or postgraduate research projects within the field of the staff member's area of research
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

Key Selection Criteria

Education/Qualifications

1. The appointee will have:
 - A doctoral qualification in the field of developmental biology, molecular biology, biochemistry or relevant discipline area

Knowledge and Skills

2. Research experience in the area of developmental and molecular biology is highly desirable
3. Research experience working with pluripotent stem cells, differentiation assays and preparation of samples for advanced genomics, for example RNASeq, ATACseq or ChIPseq, is highly desirable
4. Demonstrated experience in the preparation of research manuscripts and research proposal preparation; including a solid track record of refereed research publications
5. Experience in successfully supervising, mentoring and coaching to support the development of research staff and/or a demonstrated trajectory of leadership capability
6. Experience in supervising and working with honours or postgraduate students within the discipline
7. The ability to work both independently in a research environment and as part of an inter-disciplinary research team
8. High level organisational skills, with demonstrated capacity to establish and achieve goals
9. Excellent written and oral communication skills

10. Demonstrated capacity to positively contribute to laboratory meetings and seminars
11. A demonstrated capacity to work in a collegiate manner with other staff in the workplace
12. Advanced computer skills with experience using Microsoft Word, Excel and PowerPoint; and Bioinformatics experience

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.