



Position description

Associate Professor (Developmental Biology)

Position number	50176864
Department/Unit	Department of Anatomy and Developmental Biology, School of Biomedical Sciences
Faculty/Division	Sub-Faculty of Biomedical and Psychological Sciences, Faculty of Medicine, Nursing and Health Sciences
Classification (salary rates)	Level D
Employment type	Full-time
Work location	Clayton campus
Date document created or updated	February 2014

Position purpose

The Associate Professor will develop a world-class program of research in an aspect of developmental biology. Developmental biology is interpreted broadly and may encompass for example: embryology, organ development, foetal medicine, prenatal origins of adult disease, reproductive biology, cell cycle regulation, stem cell biology, epigenetics or evolution/developmental biology (evo/devo). The Associate Professor will be proactive in building interdisciplinary collaborations and translating research outcomes. She/he will be expected to excel in developmental biology teaching activities.

Reporting line: The position reports to the Head of The Department of Anatomy and Developmental Biology.

Supervisory responsibilities: The position will be expected to supervise honours and postgraduate research students (MSc and PhD) and convene at least one unit in the BSc developmental biology program.

Financial delegation and/or budget responsibilities including value of assets managed: The position will have no financial delegation and/or budget responsibilities beyond that of their research group.

Organisational context

Monash is a university of transformation, progress and optimism. Our people are our most valued asset, with our academics among the best in the world and our professional staff revolutionising the way we operate as an organisation. For more information about our University and our exciting future, please visit www.monash.edu

The **Faculty of Medicine, Nursing and Health Sciences** is the University's largest research faculty. World-class researchers work across disciplines including laboratory-based medical science, applied clinical research, and social and public health research.

The Faculty is also home to a number of leading medical and biomedical research institutes and groups, and has contributed to advances in many crucial areas: reproductive medicine, obesity research, drug design, cardiovascular physiology, functional genomics, infectious diseases, cancer biology, inflammation, neurosciences and structural biology.

Courses offered by the Faculty include medicine, nursing, radiography, biomedical science, medical imaging, biomedical sciences, physiotherapy, occupational therapy, behavioural neurosciences and social work. A range of research and coursework postgraduate programs is also offered. The Faculty takes pride in delivering outstanding education in all courses, in opening students to the possibilities offered by newly discovered knowledge, and in providing a nurturing and caring environment.

Further details may be found at: <http://www.med.monash.edu.au/about.html>

The **Sub-Faculty of Biomedical and Psychological Sciences (FBPS)** incorporates the School of Biomedical Sciences (SoBS), the Australian Regenerative Medicine Institute (ARMI), and the School of Psychological Sciences (SoPS). The Sub-Faculty comprises 150 research groups, 650 staff, 350 PhD students, research revenue of around \$70 million, and teaching revenues of \$75 million making it the second largest faculty in the University. The Bachelor of Biomedical Sciences and Bachelor of Psychology are the flag ship undergraduate courses run by the Sub-Faculty. This forms a unique multidisciplinary partnership that will consolidate, strengthen and showcase biomedical research at Monash.

The **School of Biomedical Sciences** is diverse, dynamic and one of the largest biomedical precincts in Australia. We offer a range of undergraduate and graduate teaching options across various biomedical disciplines. The School is also highly active in research, with well over \$50 million in grant income per year from international and Australian funding agencies. Our scientists conduct research in cancer, cardiovascular disease, development and stem cells, drug discovery, immunology and infection, metabolism and obesity, neuroscience and structural biology. Commercially, we encourage collaboration between researchers and investors to accelerate the technology discovery process, and produce commercialised and clinical outcomes important in addressing the needs of society.

For more information about us and the work we do, please visit <http://www.med.monash.edu.au/sobs/>

The **Department of Anatomy and Developmental Biology** is a member of the School of Biomedical Sciences within the Faculty of Medicine, Nursing & Health Sciences. Staff and students are located in Buildings 75, 76, and 13C.

The Department is responsible for the delivery and coordination of the developmental biology major within the BSc, and also contributes significantly to the medical, physiotherapy, radiography and biomedical science degrees. Teaching is conducted at both the undergraduate and postgraduate levels.

The Department currently houses 21 research groups (see <http://www.med.monash.edu.au/anatomy/research/>) and research income in 2013 was >M\$9. Areas of expertise include renal and lung biology, epithelial and reproductive biology, inflammation, embryology, cancer, stem cell biology and regenerative medicine. Ideally the successful applicant will have a research program complementary to existing research programs. Applicants with a background in developmental neuroscience or cell reprogramming are also encouraged to apply.

Further details about the department can be found at <http://www.med.monash.edu.au/anatomy/>

Key result areas and responsibility

Research

- Establish and/or maintain a significant role in research projects in an aspect of developmental biology;
- Successfully apply for multiple research grants from competitive, peer-reviewed bodies (NHMRC Project, ARC Discovery, ARC Linkage, etc) and other funding sources as appropriate;
- Regularly publish their research independently or in collaboration with others in peer-reviewed, internationally-recognised journals;
- Attract and supervise superior PhD students and postdoctoral fellows; provide leadership to support their continued career development;
- Identify opportunities to collaborate within the School and across faculties at Monash University, or elsewhere as appropriate;
- Comply with University policy, procedure and protocols in relation to the nature of the research being conducted.

Teaching

- Make a major contribution to teaching in development biology;
- Develop and introduce new teaching methodologies and technologies;
- Undertake all appropriate assessments;
- Coordinate at least one unit in the BSc developmental biology program;

Administration

- Undertake administrative duties within the Department of Anatomy and Developmental Biology at the direction of the Head of Department and be an active member of committees at Department/School, Faculty and University levels.

Community Service

- Be involved in a relevant professional society or in promoting the disciplines of anatomy and developmental biology to the broader community.

General

Other duties as required within the scope of the classification of this position.

Key Selection Criteria

Essential

1. A doctoral degree in a relevant aspect of developmental biology;
2. An established national and international reputation in an aspect of developmental biology research, as demonstrated by successful peer reviewed (competitive) grants, awards, original papers in leading journals, and capacity to build a research group;
3. A high degree of innovation, dedication and creativity as a researcher and educator;
4. Evidence of a collaborative approach to research;
5. Evidence of experience in the successful supervision of under-graduate and post-graduate research students;
6. An ability to work independently and as a member of a team. This would include an understanding of the importance of contributing to committees and workings within the Department/School/Faculty;
7. An ability to convey information in both teaching and research in a clear, concise and interesting manner;
8. Demonstrated experience in course co-ordination and/or design.

Desirable

9. A good knowledge of cell biology and/or histology.

Other job related information

- Travel (e.g. to other campuses of the University)
- Peak periods of work during which the taking of leave may be restricted
- Appointment is subject to the successful completion of probationary period of three years, extendable by up to 24 months in accordance with clause 58.6 of the Monash University Enterprise Agreement 2009. The probationary period may extend to a period of five years in accordance with the new Monash University Enterprise Agreement which is in the final stages of negotiation.
- Requirement to complete the Graduate Certificate in Health Professional Education (GCHPE) as a condition of probation

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.