

STANDARD TEACHING AND RESEARCH POSITION DESCRIPTION



Position	Research Fellow
Level/ Classification	ACLEB
Reports to	Foundation Chair in Neurology
Division	Personalised Medicine Centre
College	Research & Innovation, Health Future Institute

Position Purpose

The Research Fellow is expected to develop scholarly research outputs and professional activities relevant to the discipline. This position will be focused on leadership of a research portfolio targeting inflammatory myopathies (myositis); working within the Myositis Discovery Programme (MDP). The MDP Research Fellow will bring experience and expertise in myositis research to advance the ongoing laboratory-based translational research activities within the group, as well as leading strategic direction for the laboratory group. The Research Fellow contributes to the teaching effort of the Discipline through supervision of honours and postgraduate students and is expected to perform a range of administrative and service functions within the College and across the University.

About Murdoch University

Murdoch University is a young and dynamic university with a foundational commitment to the environment, social justice and inclusion, and making education accessible to more people. Founded as Western Australia's second university in 1974, today, Murdoch has more than 21,000 students and 1,700 staff across campuses in Perth, Singapore and Dubai. With more than 90,000 Alumni, Murdoch graduates can be found all over the world, making a positive difference.

Our Strategy – Ngala Kwop Biddi. Building a brighter future, together – guides the University's direction and reaffirms our shared purpose to change lives and society for the better through accessible education and research.

The Strategy is focused on three key themes:

- Sustainability: Be a leading university in education, teaching and translational research in sustainability.
- Equity, Diversity, and Inclusion: Build a welcoming, diverse and inclusive community.
- First Nations: Become the University of first choice for First Nations peoples.

Murdoch is also committed to building engagement with our local community, State, nation, and global society with a track-record in creating strong partnerships with business, government and industry.

About the Work Area

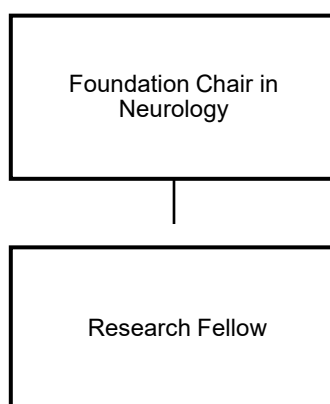
The Personalised Medicine Centre, formally the Centre for Molecular Medicine and Innovative Therapeutics, is a collaborative research centre between Murdoch University and the Perron Institute, where cutting-edge laboratory research and clinical expertise converge. Our team of researchers and health professionals, drawn from diverse fields, is united in a shared commitment to advancing personalised medicine - the development of innovative treatments tailored to addressing the specific needs of individual patients, needs that are largely determined by a person's unique genetic makeup and lifestyle.

Our research spans a broad spectrum of critical healthcare challenges. Our diverse research teams are advancing work in areas such as genetic therapies, genomics, motor neurone disease, sepsis, immunogenomics and drug hypersensitivity, cognitive health, muscular dystrophy, and neurodegenerative disorders such as Parkinson's disease, myositis, and multiple sclerosis.

To learn more about our Centre's research groups visit

<https://www.murdoch.edu.au/research/hfi/our-centres/personalised-medicine-centre>

Reporting Relationships



Key Responsibilities / Duties

1. Develop and perform specialised and complex laboratory procedures in flow cytometry techniques and analysis, including preparation of samples (cell surface and intracellular staining, cell cycle analysis, calcium flux analysis, proliferation, viability); acquisition of data (Beckman CytoFlex SRT cytometer), analysis (Kaluza).
2. Experience in molecular biology techniques; DNA / RNA extraction and analysis: Real time RT-PCR, sequencing,
3. Experience in cell biology techniques related to immunology.
4. Experience in biochemistry; Western blot, immunoprecipitation, ELISA, antibody production and conjugation to fluorochrome; histology (fixation, sections and staining: Immunofluorescence and visible).
5. Contribute to research projects individually and as a member of a team, examine and interpret results and their significance and produce quality publications.
6. Make applications for external competitive research funds, individually and as a member of a team.
7. Undertake independent research of world quality that aligns with Murdoch's strategic vision and provide leadership in the field of neurodegenerative diseases.

8. Develop a scholarly research profile and professional expertise relevant to the profession or discipline.
9. Supervise honours, Masters by Coursework, and HDR students.
10. Maintain up-to-date knowledge of relevant literature and play a role in the education of others in the Centre.
11. Participate in the University's Academic Contribution Development Conversation (ACDC).
12. Undertake other duties as determined by the Centre.

Selection Criteria

1. A PhD in an area relevant to appointment.
2. Demonstrated experience in the research discipline or profession, or two or more years of postdoctoral or equivalent professional experience.
3. Demonstrated ability to work under broad direction only, exercise initiative in undertaking responsibilities and work effectively as a team member.
4. Demonstrated ability to engage in high quality independent research, with an established record of scholarly publications.
5. Demonstrated capacity to produce grant applications, with a track record in the generation of research funding (either independently or as part of a research team).
6. Demonstrated ability to engage in high quality independent research, with an established record of scholarly publications.
7. Demonstrated ability and commitment to successfully assist with the supervision of honours, postgraduate and HDR students.
8. Demonstrated high levels of written and oral communication skills in English.

Work Requirements

1. Ability to work outside normal office hours when required.
2. Comply with the requirements of OHS for the laboratory, including compliance with legislative authorities such as OGTR (Office of the Gene Technology Regulator) and AQIS (Australian Quarantine Inspection Service), during handling, disposal and storage of biologicals and chemicals.
3. Comply with systems and processes that are in place for the appropriate storage, handling and disposal of biohazard materials, chemicals and reagents.
4. Australian permanent residency or possession of a valid visa with work entitlement in Australia.

Probationary Review

This position may be subject to a probationary period, during which time the academic staff member is required to meet set probationary objectives and pass a probationary review. Probationary objectives are set following appointment to the position and confirmed at the first Academic Contribution Development Conversation (ACDC).

General Obligations

While at work, an employee must:

- take reasonable care for their own health and safety and ensure that their acts or omissions do not adversely affect the health and safety of other persons;
- report incidents, injuries and hazards;
- comply with any reasonable instruction that is given by Murdoch University; and
- comply with Murdoch University policies and procedures.

Guiding Principles and Values / Code of Ethics and Code of Conduct

Our Values

- Authenticity
- Integrity
- Respect
- Inclusivity
- Openness

Our Principles

- Act with justice, respect and responsible care.
- Be collegiate and respectful of other points of view.
- Protect academic freedom.
- Be agile, flexible and resilient.
- Make decisions at the most appropriate level.
- Be transparent in decision-making and with information.
- Adopt common approaches to common tasks.
- Be careful stewards of our resources.

All staff will comply with the University's Code of Ethics and Code of Conduct and demonstrate a commitment to its Equity, Diversity and Safety principles and the general capabilities of personal effectiveness, working collaboratively and demonstrating a focus on results.

All Staff complete a Development Review Annually. A Commencing Development Review should be completed within 3 months of commencement.

We acknowledge that Murdoch University is situated on the lands of the Whadjuk and Binjareb Noongar people. We pay our respects to their enduring and dynamic culture and the leadership of Noongar elders past and present. The boodjar (country) on which Murdoch University is located has, for thousands of years, been a place of learning. We at Murdoch University are proud to continue this long tradition.