RESEARCH FELLOW - GENETIC EPIDEMIOLOGY

DEPARTMENT/UNIT	Medicine Monash Health
FACULTY/DIVISION	Faculty of Medicine, Nursing and Health Sciences
CLASSIFICATION	Level B
WORK LOCATION	Monash Medical Centre

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.

The **Faculty of Medicine, Nursing and Health Sciences**, is the largest faculty at Monash University, and offers the most comprehensive suite of professional health training in Victoria. We consistently rank 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. Through academic health centres, other translational models and by educating the healthcare workforce of the future, our staff, students and alumni directly improve quality of life.

Setting the global health care agenda, the Faculty aspires to lead in all areas of research activity and influence local, national and international policy to improve health and social outcomes and health inequalities. We've made a major impact in the world of medical research and become globally recognised for our quality education of over 41,000 doctors, nurses, and allied health professionals.

We are ambitious and aim to maintain our position as a leading international medical research university. We're recognised for the breadth and depth of our research, for our commitment to translational research, for the quality and scale of our research capability, and as a thriving biotechnology hub.

To learn more about the Faculty, please visit monash.edu/medicine.

The School of Clinical Sciences at **Monash Health** (SCS) is one of the nine schools of the Faculty of Medicine, Nursing and Health Sciences at Monash University, and is now the third largest school within the Faculty and its largest clinical school. Most of the research and teaching activities of the School are based near the main university campus, at Monash Medical Centre (MMC) Clayton. Monash Medical Centre is the major tertiary referral hospital for Monash Health, which serves a population of over 1.5 million people and is Monash University's largest hospital partner. The School's annual budget is in excess of $190 M. In typical years, total research income received through the School is over $42 M.

The School of Clinical Sciences at Monash Health is a major teaching resource for Monash medical students. The School is Monash's largest deliverer of clinical teaching in the undergraduate medical student curriculum, providing 50% of total clinical placements across multiple disciplines and sites. Medical student teaching is coordinated by the Directorate of Undergraduate Medical Education. Teaching activities also extend to a number of other Monash Health sites including Dandenong, Casey, Moorabbin Hospital, and Monash Health's Kingston Centre. The school also has established links with other parts of the Faculty and other Monash faculties including the Be Active Sleep Eat (BASE) facility, located at the Notting Hill campus, where the Department of Nutrition, Dietetics and Food is located.

Basic, clinical, and translation research are undertaken by the clinical departments of the School: Medicine, Nutrition, Dietetics & Food, Obstetrics and Gynaecology, Paediatrics, Psychiatry, Surgery and their five associated University Research Centres. The Department of Imaging was recently created and joined SCS in mid-2015. In addition, the Hudson Institute of Medical Research (formerly MIMR-PHI Institute of Medical Research) now represents its association with Monash University by its staff and students comprising the Department of Molecular Translational Science within the School of Clinical Sciences. Researchers of the School collaborate closely with relevant clinical areas in Monash Health and many of the School's principal investigators are leaders in the health service who are clinician-scientists. The School has a strong tradition of training in this area, including what is believed to be the largest number of clinicians enrolled in higher degrees by research of any teaching hospital school in Australia. SCS researchers are responsible 20-25% of Monash University's NHMRC-funded research activity.

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 primary purpose of this position is to work within the scope of the Precision Medicine team's research program. The primary objective of the position is to contribute to the primary prevention, early detection, prediction, and improved prognosis of cancer. The Research Fellow will conduct research investigating aetiology and prognosis of cancer, focusing primarily on genetic and epigenetic susceptibility, tumour molecular profile, and integrative multi-omics analysis, using a range of epidemiological, statistical, and computational methods.

Reporting Line: The position reports to Senior Research Fellow

Supervisory Responsibilities: Not applicable

Financial Delegation: Not applicable

Budgetary 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 relevant discipline area or equivalent qualifications or research experience

Knowledge and Skills

2. Demonstrated statistical analysis and manuscript and research proposal preparation skills; including a solid track record of refereed research publications
3. Experience in successfully supervising, mentoring and coaching to support the development of research staff and/or a demonstrated trajectory of leadership capability
4. Experience in supervising and working with major honours or postgraduate students within the discipline
5. The ability to work both independently in a research environment and as part of an inter-disciplinary research team
6. High level organisational skills, with demonstrated capacity to establish and achieve goals
7. Excellent written and oral communication skills
8. Demonstrated capability in positively contributing to laboratory meetings, seminars and journal club meetings
9. A demonstrated capacity to work in a collegiate manner with other staff in the workplace
10. Advanced computer skills with experience using R, Stata and Python, with the capability and willingness to learn new packages as appropriate
11. Demonstrated ability to apply complex statistical or bioinformatics methods to the analysis of large-scale datasets to address epidemiological or/and clinical questions
12. Experience in the analysis of genomic or/and other -omic data

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
- A current satisfactory Police Records 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.