



# RESEARCH FELLOW

DEPARTMENT/UNIT	Australian Centre for Blood Diseases / Central Clinical School
FACULTY/DIVISION	Faculty of Medicine, Nursing and Health Sciences
CLASSIFICATION	Level A
WORK LOCATION	The Alfred Hospital

## ORGANISATIONAL CONTEXT

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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](http://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](http://monash.edu/medicine).

**Central Clinical School** encompasses the Departments of Clinical Sciences, Melbourne Sexual Health Clinic, Clinical Haematology, Immunology and Pathology, Infectious Diseases, Gastroenterology, Diabetes, Allergy and Respiratory Medicine and Psychiatry. It is located at the Alfred Hospital precinct in Melbourne, known as AMREP (Alfred Medical Research and Education Precinct). The school is involved in teaching students from both the Faculty of Medicine, Nursing and Health Sciences and the Faculty of Science and its teaching and research is conducted at Alfred Health, Cabrini, Epworth Richmond, Peninsula Health and also at Clayton. For more information about us and the work we do, please visit <http://www.med.monash.edu.au/ccsc/>.

## POSITION PURPOSE

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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 Research Fellow will be responsible for running pre-defined research projects by performing a combination of laboratory and administrative functions. This may include some or all of the following: the routine collection and processing of human blood samples, performing experiments involving common molecular biology, cell culture, and microscopy techniques. In addition the incumbent will be required to work closely with biomedical engineers as part of device development and biomedical validation. The laboratory uses a combination of microfluidic, lab-on-chip, experimental and numerical fluid dynamic, biophotonic, biochemical, and cell biology approaches in order to develop novel lab-on-chip diagnostic and drug assay systems, with a particular focus on blood platelet biology. The Research Fellow is responsible for maintaining collaborations and coordinating large-scale collaborative projects. The Research Fellow is also expected to contribute to the supervision of research support staff and students. The Research Fellow will also contribute to the production of research grants, publications, and reports.

This position is part of a small but productive multi-disciplinary, multi-institutional, research team led by Dr Warwick Nesbitt that is focussed on the development of complex micro-bioreactor systems for the identification of novel drug targets for heart attack and stroke prevention and as clinical diagnostic tools of platelet function.

The bioengineering team is situated within the Micro Nano Fabrication Research Facility, RMIT University, where device development and fabrication is undertaken. The biomedical team is situated within the Australian Centre for Blood Diseases (ACBD) at the Alfred Medical Research and Education Precinct. The Centre is a leading national and international blood diseases centre with recognised research, treatment and educational programs for blood diseases, and is at the forefront of translational research into blood clotting and blood cancers.

**Reporting Line:** The position reports to the Head of the Australian Centre for Blood Diseases

**Supervisory Responsibilities:** Not applicable

**Financial Delegation:** Not applicable

**Budgetary Responsibilities:** Not applicable

## KEY RESPONSIBILITIES

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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

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### Education/Qualifications

1. The appointee will have:
  - An honours degree or higher qualifications in the relevant discipline and/or progress towards a doctorate in the relevant discipline (Science, Biotechnology, Biomedicine); or
  - a doctoral qualifications in the relevant discipline or a closely related field; or
  - an equivalent combination of relevant experience and/or education/training

### Knowledge and Skills

2. Demonstrated analytical and manuscript preparation skills; including a track record of refereed research publications
3. Ability to solve complex problems by using discretion, innovation and the exercise diagnostic skills and/or expertise
4. Well-developed planning and organisational skills, with the ability to prioritise multiple tasks and set and meet deadlines
5. Excellent written communication and verbal communication skills with proven ability to produce clear, succinct reports and documents
6. A demonstrated awareness of the principles of confidentiality, privacy and information handling
7. A demonstrated capacity to work in a collegiate manner with other staff in the workplace and a strong work ethic and commitment to your career as a medical researcher
8. 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

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- Travel to other campuses of the University may be required
- Travel to other campuses outside 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 may be required

## LEGAL COMPLIANCE

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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.