RESEARCH FELLOW (BIOSTATISTICS)

DEPARTMENT/UNIT	Division of Biostatistics, Data analytics, Modelling and Health Economics, School of Public Health and Preventive Medicine
FACULTY/DIVISION	Faculty of Medicine, Nursing and Health Sciences
CLASSIFICATION	Level B
DESIGNATED CAMPUS OR LOCATION	553 St Kilda Road, Melbourne

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 www.monash.edu/medicine.

Monash **School of Public Health and Preventive Medicine** is a teaching and research unit of the Faculty of Medicine, Nursing and Health Sciences and is centred at the Alfred Hospital Campus. It plays a prominent role in public health medicine and works closely with the major Monash affiliated hospitals, research institutes and

public health units within Victoria. It plays a prominent role in public health medicine in Australia and has a strong record for training individuals with the capacity and skills to assume leadership roles in Australia in this field. We work closely with the major Monash affiliated hospitals, research institutes and public health units within Victoria. Our skills provide a key resource underpinning translational research within our Faculty.

The **Transfusion Research Unit (TRU)** manages a suite of registries and clinical trials that provide evidence for transfusion practice improvement and management of important haematologic disorders. Established registries collect data on massive transfusion, on rare disorders requiring major or specialised transfusion support, and on other haematologic conditions such as lymphoma and myeloma in Australian and New Zealand. Collaboration in data linkage activities with other large clinical registries also help to better understand transfusion practice in trauma, cardiac surgery and ICU and develop models to predict and monitor blood use. TRU also conducts other projects such as health economic analyses and systematic reviews. More information: www.monash.edu/medicine/sphpm/units/transfusionresearch.

The **Blood Synergy** is a clinical research program funded by an NHMRC Synergy grant, managed by the TRU. The Blood Synergy is focused on addressing Australia's national transfusion priorities to deliver safer and more appropriate transfusion support for patients, help guide better stewardship of national blood supplies, and reduce costs to the community. The research encompasses observational studies, meta-analyses and systematic reviews, registries, and interventional clinical trials to provide evidence for transfusion practice improvement in trauma, critical care and haematologic disorders. More information: www.bloodsynergy.org.

The **Biostatistics Unit** within SPHPM is involved in methodological research, including a range of NHMRC funded methodological biostatistical projects, and numerous collaborative epidemiological and clinical research projects within and external to the School. The Unit also provides teaching at postgraduate and undergraduate levels. The Unit is the lead centre of the Australian Trials Methodology Research Network (AusTriM), www.monash.edu/medicine/sphpm/austrim/home.

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 position in the School of Public Health and Preventive Medicine (SPHPM) is a new position to contribute to the design and analysis of research studies in the area of transfusion research, especially clinical trials, and to pursue evaluations and development of relevant statistical methodology. The position involves engagement in multi-centre collaborative clinical trials at all phases for preventing or treating blood-related disorders. Contributions will include writing statistical analysis plans and data and safety monitoring reports, providing input to development of study protocols, grant applications, and research papers reporting the results of trials. Areas of methodological investigation will align with the broad interests of the AusTriM Research Network and could be in areas such as complex survival analysis, composite endpoints, and elucidation of treatment mechanisms.

Reporting Line: The position reports to Deputy Head of Biostatistics Unit and Head of Transfusion Research Unit

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

10. Other duties as directed from time to time

KEY SELECTION CRITERIA

Education/Qualifications

1. The appointee will have:

   - A doctoral qualification in the relevant discipline area or equivalent qualifications and research experience.

Knowledge and Skills

2. A record of publications, conference papers, reports and/or professional and/or technical contributions in the relevant discipline area including publications in (bio)statistical methodology

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. A demonstrated capacity to work in a collegiate manner with other staff in the workplace

9. Experience in clinical research including advanced statistical analyses, contributions to statistical analysis plans, data and safety monitoring reports, and development of trial protocols

10. Some experience with statistical analysis of observational cohort studies

11. Advanced skills with one of the statistical software packages: R, Stata or SAS

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

GOVERNANCE

Monash University expects staff to appropriately balance risk and reward in a manner that is sustainable to its long-term future, contribute to a culture of honesty and integrity, and provide an environment that is safe, secure and inclusive. Ensure you are aware of and adhere to University policies relevant to the duties undertaken and the values of the University. This is a standard which the University sees as the benchmark for all of its activities in Australia and internationally.