Research Fellow (Biostatistician)

Department/Unit	School of Public Health and Preventive Medicine Epidemiology and Preventive Medicine
Faculty/Division	Faculty of Medicine, Nursing and Health Science
Classification	Level B
Work location	The Alfred Hospital
Date document created or updated	6 June 2017

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 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 home to a number of leading medical and biomedical research institutes and groups, and has contributed to advances in many crucial areas. Our expertise in life sciences and biomedicine is recognised both nationally and internationally.

From a teaching perspective, our education curriculum covers a range of disciplines, including medicine, nursing, radiography and medical imaging, nutrition and dietetics, paramedic studies, biomedical sciences, physiotherapy, occupational therapy, behavioural neurosciences and social work. We take 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. To learn more about the faculty, please visit www.med.monash.edu.au/

Monash School of Public Health & 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.

Position purpose

A Level B academic is expected to make significant contributions to the teaching effort of a department, school, faculty or other organisational unit or an interdisciplinary area. An academic at this level is expected to carry out activities to maintain and develop her/his scholarly, research and/or professional activities relevant to the profession or discipline.

The Research Fellow (Clinical Trial Biostatistician) is devoted to the analysis of Clinical Trials. This position engages in large high-profile international trials at all stages of development. This position may also pursue statistical methodology within the Victorian Centre for Biostatistics (VicBiostat).

Reporting Line: This position reports to Deputy Head of Biostatistics Unit, to the Director of the Division of Research Methodology and to the Head of School, School of Public Health and Preventive Medicine

Supervisory responsibilities: Not applicable

Financial delegation and/or budget responsibilities: Not applicable

Key responsibilities

Specific duties required of a Level B academic may include:

1. Adapt and implement new statistical methods for clinical trial data proposed by others

2. Read, interpret and synthesise recent biostatistical literature in relevant areas

3. Write statistical analysis plans and data and safety monitoring reports. Contribute to the development of trial protocols, monitoring plans, maintenance reports, and papers reporting the results of trials

4. Draft, revise, and publish scientific manuscripts

5. Contribute to writing and obtaining grant applications

6. Present research seminars at team meetings, workshops and conferences

7. Providing statistical advice to research higher degree (PhD) students

8. Contribute to graduate teaching activities, which may include:

    (a) Co-supervising research projects and minor theses for Masters by coursework students

    (b) Giving occasional lectures and tutorials

Key selection criteria

Essential criteria

1. A Level B academic shall have qualifications and/or experience recognised by the university as appropriate for the relevant discipline area. In many cases a position at this level will require a doctoral or masters qualification or equivalent accreditation and standing. In determining experience relative to qualifications, regard is had to teaching experience, experience in research, experience outside tertiary education, creative achievement, professional contributions and/or contributions to technical achievement

2. Experience in performing complex data manipulation and statistical analysis using SAS, Stata or a comparable statistical package with flexible programming language

3. Experience in randomised trials as used in health research

4. Possess a high level of interpersonal skills and demonstrated ability to work independently and as part of a team across both the education and service sectors

5. Ability to work positively and cooperatively with students, internal and external teams and agencies

6. Demonstrated strong record of teaching experience in a tertiary environment

7. Demonstrated ability to stimulate, actively engage and educate a given audience

8. Proven ability, commitment and passion for engaging in scholarly and research activities

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

10. Demonstrated statistical analysis and manuscript preparation skills; including a solid track record of refereed research publications

Other job related information

- Travel (e.g. to other campuses of the university) may be required
- There may be peak periods of work during which the taking of leave may be restricted

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.