



Position description

Research Officer (Biostatistics)

Faculty/Division	Faculty of Medicine, Nursing and Health Sciences School of Clinical Sciences, Monash Health
Department/Unit	Psychiatry Monash Health
Classification	HEW Level 6
Work location	Notting Hill and Monash Medical Centre
Date document created or updated	11 November 2016

Organisational context

Monash is a university of transformation, progress and optimism. Our people are our most valued asset, with our academics among the best in the world and our professional staff revolutionising the way we operate as an organisation. For more information about our University and our exciting future, please visit www.monash.edu.

The **Faculty of Medicine, Nursing & Health Sciences (FMNHS)** 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 & medical imaging, nutrition & dietetics, paramedic studies, biomedical sciences, physiotherapy, occupational therapy, behavioral 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/.

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. 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. The school's budget is in excess of \$80 M. In typical years, total research income received through the School is approximately \$30 M.

The School of Clinical Sciences at Monash Health is a major teaching resource for Monash students. The School is Monash's largest deliverer of clinical teaching in the undergraduate medical student curriculum, providing over 50% of total clinical placements across multiple disciplines and sites. Medical student teaching is coordinated by the Directorate of Undergraduate Medical Education. The School also provides Monash's Nutrition and Dietetics programs and teaches into Monash BBiomedSci degree. Teaching activities also extend to a number of other Monash Health sites including Dandenong, Casey, Moorabbin Hospital, and Monash Health's Kingston Centre.

Basic, clinical, and translation research are undertaken by the clinical departments of the School: Medicine, Nutrition and Dietetics, Obstetrics and Gynaecology, Paediatrics, Psychiatry, Surgery. The Department of Imaging was recently created and joined SCS in mid-2015. Researchers of the School collaborate closely

with relevant clinical areas in Monash Health and many of the School's principal investigators are clinician-scientists. The School has a strong tradition of training in this area, with large numbers of clinician and medical student research projects and higher degrees by research. The Hudson Institute of Medical Research (formerly MIMR-PHI Institute of Medical Research) continues its association with Monash University as the Department of Molecular Translational Science in the School of Clinical Sciences at Monash Health.

Victorian Heart Hospital: A partnership of Monash Health and Monash University has been awarded funds to build Australia's first heart hospital – the Victorian Heart Hospital, a landmark facility to be built at Monash University, Clayton.

Monash Children's Hospital: provides all paediatric and neonatal services for Monash Health across three campuses: MMC Clayton, Dandenong, and Casey hospitals, making it one of Australia's largest children's hospitals and Victoria's largest provider of neonatal services. The new Monash Children's Hospital will be completed in 2017 and will increase capacity to 294 beds across three campuses.

Monash Health Translation Precinct: Monash University and its partners, Monash Health and the Hudson Institute of Medical Research, are partners in a research precinct at Monash Medical Centre Clayton known as the Monash Health Translation Precinct (MHTP). The MHTP combines the research efforts of over 400 scientific staff, over 200 postgraduate students, and hundreds of clinician researchers, all of whom are members of the School of Clinical Sciences at Monash Health. The vision is for MHTP to be a world leader in delivering the best in healthcare outcomes by translating innovative scientific discoveries into best clinical practice in a dynamic and collaborative environment. The cornerstone of the MHTP is the newly opened \$84M Translational Research Facility that houses a 30-chair/bed clinical trials floor with medical imaging facilities, enabling a major expansion of the early phase (phase 1 and 2) cancer trials program. A full suite of platform technologies is also accommodated in the precinct. The MHTP represents approximately 25% of Monash University NHMRC-funded research activity. Further details may be found at: <http://www.mhtp.org.au>.

The Monash University Centre for Developmental Psychiatry and Psychology (CDPP) was established in December, 1989. The CDPP has a mandate to provide research and teaching in the field of developmental psychiatry and psychology with a particular focus on child, adolescent and family mental health. It works in close affiliation with the clinical services provided by the Monash Health Early in Life Mental Health Service. Special areas of interest include mental health in children and adults with developmental and intellectual disabilities; autism and other pervasive developmental disorders; neuropsychology; school refusal and truancy; and trauma, anxiety and depression. The Centre for Developmental Psychiatry and Psychology (CDPP) has an outstanding track record in clinically based, translational research in developmental disorders. For more information about our work, please visit <http://www.med.monash.edu.au/scs/psychiatry/developmental/>

Position purpose

The Research Officer (Biostatistics) will clean and prepare data, and conduct statistical analyses primarily in relation to an NHMRC program grant which is delivering and evaluating state-wide interventions for children with developmental disabilities (within a public health framework). Statistical support and analysis for other projects within the Centre for Developmental Psychiatry and Psychology's (CDPP) will also be required, for example evaluations of treatment outcomes, randomised controlled trials, and longitudinal studies.

- **Reporting line:** The position reports to an Associate Professor and Director (acting) of the Centre for Developmental Psychiatry & Psychology
- **Supervisory responsibilities** Nil
- **Financial delegation and/or budget responsibilities including value of assets managed.** Nil

Key result areas and responsibility

The occupant will contribute to the research by performing a range of research related tasks which may include any of the following:

1. Conduct the biostatistical aspects of research, including cleaning, preparation, analysis and preparing results and reports
2. Maintain good research practice regarding the repeatability of data analyses

3. Collaborate fully with content experts
4. Keep abreast of developments, activities and protocols in area of expertise through liaison with staff and peers, reading relevant literature and attending meetings and seminars
5. Comply with University policy, procedure and protocols relevant to the nature of the research being conducted
6. Actively participate in continuous improvement activities to enhance the efficiency and effectiveness of policies, processes and systems

Key selection criteria

Essential

Education/Qualifications

1. The appointee will have:
 - a. a degree/tertiary qualification in a relevant field with subsequent relevant experience, or
 - b. an equivalent combination of relevant experience and/or education/training

Knowledge and skills

2. Excellent problem solving abilities, including through the application/use of analytical and diagnostic skills, discretion, innovation and professional expertise to solve problems
3. Highly developed communications skills, including the ability to prepare a range of documentation for various audiences and to interact with and gain commitment from a diverse range of stakeholders
4. Excellent organisation skills, including the ability to set priorities, manage time, plan work to meet deadlines and work effectively under pressure
5. Familiarity with longitudinal studies and randomised controlled trials, with experience in the application of statistical methods in this area
6. Demonstrated computer literacy, especially with statistical software programs, for example Stata, SPSS, and proficiency in the production of high level reports using software such as Microsoft Office applications, with the capability and willingness to learn new packages as appropriate
7. A demonstrated understanding of confidentiality, privacy and information handling principles

Other job related information

- Out of hours work (including evenings and weekends) may be required on occasion to meet deadlines
- 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.

Organisational Chart

Centre for Developmental Psychology and Psychiatry (CDPP) Organisational Chart

