



POSITION DESCRIPTION

Centre for Youth Mental Health
Faculty of Medicine, Dentistry and Health Sciences

BIostatistician, Partnership Project

POSITION NO	0044527
CLASSIFICATION	Research Assistant Grade 2, Level A
WORK FOCUS CATEGORY	Academic Specialist
SALARY	\$69,148 – \$93,830 p.a.
SUPERANNUATION	Employer contribution of 9.5%
WORKING HOURS	Full-time (1.00 FTE)
EMPLOYMENT TYPE	Fixed Term position available for 12 months. Fixed term contract type: Externally funded.
OTHER BENEFITS	http://about.unimelb.edu.au/careers/working/benefits
CURRENT OCCUPANT	New
HOW TO APPLY	Online applications are preferred. Go to http://about.unimelb.edu.au/careers , under 'Job Search and Job Alerts', select the relevant option ('Current Staff' or 'Prospective Staff'), then find the position by title or number.
CONTACT FOR ENQUIRIES ONLY	Professor Sue Cotton Tel +61 3 9342 2859 Email Sue.Cotton@orygen.org.au <i>Please do not send your application to this contact</i>

For information about working for the University of Melbourne, visit our websites:

about.unimelb.edu.au/careers

Position Summary

Orygen, The National Centre of Excellence in Youth Mental Health (Orygen) is the world's leading research and knowledge translation organisation focusing on mental ill-health in young people.

At Orygen, our leadership and staff work to deliver cutting-edge research, policy development, innovative clinical services, and evidence-based training and education to ensure that there is continuous improvement in the treatments and care provided to young people experiencing mental ill-health.

The Company has three Members: the Colonial Foundation, The University of Melbourne and Melbourne Health.

The University of Melbourne has an agreement with Orygen for designated employees to be made available to undertake activities for Orygen, and this arrangement will apply to you. University employees working at Orygen are required at all times to continue to adhere to University policies, procedures, regulations and statutes, as well as to Orygen policies and procedures (including Orygen's delegations of authority framework which can be found at <http://staff.orygen.org.au/>), but the University's policies and procedures shall prevail in the event of any inconsistency. For the period of participating in activities at Orygen, you will be subject to the reasonable control and direction of Orygen. You consent to the University disclosing to Orygen your personal employment information solely for the purposes of facilitating your secondment to Orygen, and that such disclosure will not be a breach of any of your privacy rights.

The Biostatistician/Statistician/Applied Data Analyst will be responsible for the extraction, cleaning, analysis, and interpretation of psychometric data obtained through the research activities of a major NHMRC funded Partnership Grant. This grant focuses on developing youth-specific change and outcome measures for effective youth mental health service delivery. The Biostatistician/Statistician/Applied Data Analyst, under the supervision of the Chief Investigator, will manage the data from each of the four projects under this grant, which collectively aim to develop new measures of change and outcome and implement these in a range of mental health service settings and to evaluate the effectiveness of treatment in these services.

The Biostatistician/Statistician/Applied Data Analyst will work in close collaboration with the Chief and Associate Investigators in addition to research, evaluation and key mental health service staff as required. The Biostatistician/Statistician/Applied Data Analyst will manage datasets pertaining to service use, outcome measure validation, and fidelity, gathered from multiple sites across Australia. Additionally, the Biostatistician/Statistician/Applied Data Analyst will be required to contribute towards academic publications of project data and related research, as well as attend regular research and supervision meetings to monitor progress and development of the study outcomes.

The Biostatistician/Statistician/Applied Data Analyst will report to, and work under the direction of Chief Investigator Professor Sue Cotton, who in turn reports to the Chair of Youth Mental Health.

1. Key Responsibilities

1.1 RESEARCH AND RESEARCH TRAINING

- ▶ Data entry, cleaning, management, and statistical analysis.

- ▶ Generate analysis plans relevant to the specific research questions of the project.
- ▶ Report and provide updates on the data analysis plans and outcomes to the Chief Investigators of the project.
- ▶ Provide written reports detailing data analysis procedures and results of the project data, in a format suitable for publication.
- ▶ Work collaboratively with key stakeholders of the project, under the supervision of the Chief Investigators of the project.

1.2 LEADERSHIP AND SERVICE

- ▶ Provide service to the University and actively participate in meetings and committees as appropriate.
- ▶ Other duties commensurate with the position as directed by the Supervisor.
- ▶ Occupational Health and Safety (OH&S) and Environmental Health and Safety (EH&S) responsibilities as outlined in section 5.

1.3 ENGAGEMENT

- ▶ Liaise with members of the research team and key stakeholders as required.

2. Selection Criteria

2.1 ESSENTIAL

- ▶ Postgraduate (honours level) qualification in either the behavioural, social sciences, statistics and/or other related discipline.
- ▶ Demonstrated experience working with, and conducting analyses of large psychometric datasets.
- ▶ Demonstrated proficiency in data entry, data management, and data analysis.
- ▶ Intermediate to advanced knowledge and experience in the use of statistical analyses software, particularly IBM® SPSS® Statistics or Stata.
- ▶ Demonstrated ability in contributing towards research publications, particularly in the field of health/mental health.
- ▶ Demonstrated administrative and organisational skills including the ability to set priorities and meet deadlines.
- ▶ Demonstrated ability to work both independently and collaboratively.
- ▶ Excellent oral and written communication skills and interpersonal skills.
- ▶ Competence in the use of Excel, Word, and other Microsoft Office Suite programs.

2.2 DESIRABLE

- ▶ Relevant higher degree.
- ▶ Experience working in a mental health setting.
- ▶ Longitudinal data analysis skills.
- ▶ Hierarchical/mixed modelling data analysis skills.

3. Special Requirements

- ▶ A current full unrestricted work permit/visa for Australia.
- ▶ A current, valid Working with Children's Check.
- ▶ All workplaces are non-smoking environments.
- ▶ Travel between other University/Orygen sites may be required.
- ▶ Valid Victorian driver's licence.
- ▶ Some out of hours work may be required.

4. Occupational Health and Safety (OHS)

All staff are required to take reasonable care for their own health and safety and that of other personnel who may be affected by their conduct.

OHS responsibilities applicable to positions are published at:

<http://safety.unimelb.edu.au/topics/responsibilities/>

These include general staff responsibilities and those additional responsibilities that apply for Managers and Supervisors and other Personnel.

5. Other Information

5.1 CENTRE FOR MENTAL HEALTH

www.cymh.unimelb.edu.au and www.orygen.org.au

In January 2009 the University of Melbourne established a new Centre for Youth Mental Health (CYMH) within the Faculty of Medicine Dentistry and Health Sciences, where the academic and professional staff who are provided to Orygen are now based. All NHMRC and ARC Grants to be used for Orygen activities are managed within CYMH.

The creation of this academic and administrative structure reflects the multidisciplinary nature of this field of inquiry and knowledge, and its growing scientific and practical breadth and significance. This is only the fourth such supra-departmental structure to be created in the Faculty and there is no parallel to date anywhere else in Australia.

The Chair of the Centre for Youth Mental Health is Professor Patrick McGorry and the Chief Operating Officer is Mr John Moran. Reporting arrangements are through the University of Melbourne structure with a direct report to Professor Shitij Kapur, Dean of the Faculty.

The Research Division of Orygen is staffed by the academic, research and associated professional staff from the Centre for Youth Mental and clinical specialists from Melbourne Health.

Our areas of research are:

- Clinical Translational Neuroscience
- E-Health
- Emerging Mental Disorders
- First Episode Psychosis
- Functional Recovery
- Mood Disorders

- Neurobiology and Neuroprotection in Emerging Mental Disorders
- Personality Disorders
- Suicide Prevention
- Ultra-High Risk for Psychosis
- Vulnerable and Disengaged Youth

5.2 THE FACULTY OF MEDICINE, DENTISTRY & HEALTH SCIENCES

www.mdhs.unimelb.edu.au

The Faculty of Medicine, Dentistry & Health Sciences has an enviable research record and is the University of Melbourne's largest faculty in terms of management of financial resources, employment of academic and professional staff, teaching of undergraduate and postgraduate (including research higher degree) students and the conduct of basic and applied research. The Faculty's annual revenue is \$628m with approximately 55% of this income related to research activities.

The Faculty has a student teaching load in excess of 8,500 equivalent full-time students including more than 1,300 research higher degree students. The Faculty has approximately 2,195 staff comprising 642 professional staff and 1,553 research and teaching staff.

The Faculty has appointed Australia's first Associate Dean (Indigenous Development) to lead the development and implementation of the Faculty's Reconciliation Action Plan (RAP), which will be aligned with the broader University – wide plan. To enable the Faculty to improve its Indigenous expertise knowledge base, the Faculty's RAP will address Indigenous employment, Indigenous student recruitment and retention, Indigenous cultural recognition and building partnerships with the Indigenous community as key areas of development.

5.3 THE UNIVERSITY OF MELBOURNE

- ▶ The University of Melbourne is a leading international university with a tradition of excellence in teaching and research. With outstanding performance in international rankings, Melbourne is at the forefront of higher education in the Asia-Pacific region and the world. The University of Melbourne is consistently ranked among the world's top universities. Further information about our reputation and global ranking is available at <http://research.unimelb.edu.au/index.html#home>

Established in 1853, shortly after the founding of Melbourne, the University is located just a few minutes from the centre of this global city. The main Parkville campus is recognised as the hub of Australia's premier knowledge precinct comprising eight hospitals, many leading research institutes and a wide range of knowledge-based industries.

The University employs people of outstanding calibre and offers a unique environment where staff are valued and rewarded. Further information about working at The University of Melbourne is available at hr.unimelb.edu.au/careers.

5.4 GROWING ESTEEM, THE MELBOURNE CURRICULUM AND RESEARCH AT MELBOURNE: ENSURING EXCELLENCE AND IMPACT TO 2025

- ▶ Growing Esteem describes Melbourne's strategy to achieve its aspiration to be a public-spirited and internationally-engaged institution, highly regarded for making distinctive contributions to society in research and research training, learning and teaching, and engagement. <http://about.unimelb.edu.au/strategy-and-leadership>

- ▶ The University is at the forefront of Australia's changing higher education system and offers a distinctive model of education known collectively as the Melbourne Curriculum. The new educational model, designed for an outstanding experience for all students, is based on six broad undergraduate programs followed by a graduate professional degree, research higher degree or entry directly into employment. The emphasis on academic breadth as well as disciplinary depth in the new degrees ensures that graduates will have the capacity to succeed in a world where knowledge boundaries are shifting and reforming to create new frontiers and challenges. In moving to the new model, the University is also aligning itself with the best of emerging European and Asian practice and well-established North American traditions.
- ▶ The University's global aspirations seek to make significant contributions to major social, economic and environmental challenges. Accordingly, the University's research strategy *Research at Melbourne: Ensuring Excellence and Impact to 2025* aspires to a significant advancement in the excellence and impact of its research outputs.
<http://research.unimelb.edu.au/index.html#home>

The strategy recognises that as a public-spirited, research-intensive institution of the future, the University must strive to make a tangible impact in Australia and the world, working across disciplinary and sectoral boundaries and building deeper and more substantive engagement with industry, collaborators and partners. While cultivating the fundamental enabling disciplines through investigator-driven research, the University has adopted three grand challenges aspiring to solve some of the most difficult problems facing our world in the next century. These Grand Challenges include:

Understanding our place and purpose – The place and purpose grand challenge centres on understanding all aspects of our national identity, with a focus on Australia's 'place' in the Asia-Pacific region and the world, and on our 'purpose' or mission to improve all dimensions of the human condition through our research.

Fostering health and wellbeing – The health and wellbeing grand challenge focuses on building the scale and breadth of our capabilities in population and global health; on harnessing our contribution to the 'convergence revolution' of biomedical and health research, bringing together the life sciences, engineering and the physical sciences; and on addressing the physical, mental and social aspects of wellbeing by looking beyond the traditional boundaries of biomedicine.

Supporting sustainability and resilience – The sustainability and resilience grand challenge addresses the critical issues of climate change, water and food security, sustainable energy and designing resilient cities and regions. In addition to the technical aspects, this grand challenge considers the physical and social functioning of cities, connecting physical phenomena with lessons from our past, and the implications of the technical solutions for economies, living patterns and behaviours.

Essential to tackling these challenges, an outstanding faculty, high performing students, wide collaboration including internationally and deep partnerships with external parties form central components of Research at Melbourne: Ensuring Excellence and Impact to 2025.

5.5 GOVERNANCE

The Vice Chancellor is the Chief Executive Officer of the University and responsible to Council for the good management of the University.

Comprehensive information about the University of Melbourne and its governance structure is available at <http://www.unimelb.edu.au/governance>