



SENIOR RESEARCH FELLOW (STATISTICIAN)

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| DEPARTMENT/UNIT | Turning Point and Monash Addiction Research Centre (MARC), Eastern Health Clinical School, Turning Point |
| FACULTY/DIVISION | Medicine Nursing and Health Sciences |
| CLASSIFICATION | Level C |
| DESIGNATED CAMPUS OR LOCATION | Turning Point, 110 Church Street, Richmond |

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 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.

Eastern Health Clinical School (EHCS) is one of three clinical schools in the Monash University Faculty of Medicine, Nursing and Health Sciences. EHCS represents the University's presence in the rapidly-growing area of urban and outer eastern Melbourne. Our five Directorates are:

- **Medical Student Programs:** The Office of Medical Student Programs in the EHCS is located at Box Hill Hospital, with activity at all Eastern Health clinical sites. Currently the Office of Medical Student Programs

oversees the delivery of medical student teaching at all Eastern Health sites for students from Monash University and Deakin University

- **Eastern Clinical Research Unit (ECRU):** ECRU is part of Monash University EHCS and is the mechanism by which Eastern Health undertakes its clinical trials. ECRU conducts clinical trials across a range of disciplines
- **Research and Higher Education:** This directorate oversees research activity by clinicians and trainees not covered by ECRU, including non-trial clinical research. It brings together the health service and the academic community and ensures that clinicians and trainees are exposed to and are able to participate in research. The directorate also oversees Higher Degree Research Students and the EHCS laboratory-based translational research programs. These programs are focused on prostate cancer, renal medicine, vascular medicine and gastroenterology, with capacity to expand into other areas
- **Turning Point:** Turning Point is a national addiction treatment centre, dedicated to providing high quality, evidence-based treatment to people adversely affected by alcohol, drugs and gambling, integrated with world-leading research and education. Turning Point is part of Eastern Health and formally affiliated with Monash University, EHCS
- **Monash Addiction Research Centre (MARC):** This cross-faculty initiative, with a physical presence on the Peninsula Campus, Turning Point and other university sites, brings together addiction research from across the University, and is administered within EHCS

For more information about us and the work we do, please visit www.monash.edu/medicine/ehcs.

POSITION PURPOSE

Turning Point conducts extensive research investigating alcohol, gambling and drug-related harm in the community, as well as developing the most effective policy and treatment responses. Since being established in 1994, Turning Point has led research and its translation into policy and practice at a local, national and international level. To best respond to emerging issues, Turning Point employs staff from a range of professional backgrounds and collaborates with organisations across the research, health, education and community services sectors.

The Monash Addiction Research Centre (MARC) brings together world-leading expertise from across Monash University and the sector to provide solutions to the challenges of addiction. Based at the Monash Peninsula campus in Frankston, MARC draws on the multidisciplinary strengths and capabilities of researchers across the University to develop and test novel, scalable prevention and treatment approaches. Our expertise leverages experts in basic and social science, clinical and epidemiological research, to develop new knowledge to shape government policy and evidence-based approaches.

The Senior Research Fellow (Statistician) position will contribute to the design and analysis of research in the area of addiction and mental health, and evaluate and develop relevant statistical methodology. The addiction and mental health research component of the position involves engagement in a variety of research projects including clinical trials, longitudinal studies, evaluations, analyses of big datasets, etc. Contributions will include providing input to development of grant applications and study protocols, writing statistical analysis plans, data management, advising on and conducting analysis, and publication of findings.

A Level C research-only academic is expected to make independent or original contributions to the research effort within their field of expertise and to the organisational unit or inter-disciplinary area of which they are a part. An academic at this level is expected to play a major role in research including the exercise of some leadership in research.

Reporting Line: The position reports to the Head of Research and Workforce development, Turning Point

Supervisory Responsibilities: Not applicable

Financial Delegation: Not applicable

Budgetary Responsibilities: Not applicable

KEY RESPONSIBILITIES

Specific duties required of a Level C research-only academic may include:

1. Data management, manipulation and analysis for studies including clinical trials, longitudinal studies, psychometric and validation studies, meta-analyses, and power calculations
2. The conduct of research and the production of conference and seminar papers and publications from that research
3. Supervision of research-support and administrative staff involved in the staff member's research
4. Supervision, where appropriate, of the research of less senior research-only Academic staff
5. Involvement, where appropriate, in the promotion of research links with outside bodies
6. Preparation of research grant proposals and applications
7. Significant role in research projects including, where appropriate, leadership of research teams or management of projects
8. Responsibility for the oversight of financial management of grants received for their research projects
9. Involvement in professional activities including, subject to availability of funds, attendance at conferences and seminars in the field of expertise
10. Occasional contributions to the teaching program within the field of the staff member's research
11. Supervision of major honours or postgraduate research projects within the field of the staff member's area of research
12. Various research-related administrative functions
13. 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 a major role in planning and committee work
14. 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 (including Biostatistics or statistics, psychology, public health, epidemiology) or equivalent accreditation and standing, together with subsequent research experience.

Knowledge and Skills

2. Advanced skills and familiarity in working with statistical software packages such as SPSS, Stata, R, SAS etc.
3. Knowledge of and experience with a range of advanced statistical modelling techniques (causal inference, methods for handling missing data, various regression modelling approaches, meta-analysis, multi-level and mixed-effects modelling etc.) and power calculations
4. Demonstrated and strong record of publications, conference papers, reports and/or professional and/or technical contributions in the relevant discipline area
5. Proven track record of obtaining significant external grants for research
6. Experience in successfully supervising, mentoring and coaching to support the development of research staff and in establishing and leading a successful research team and/or demonstrated evidence of leadership capability

7. Experience in (co)supervising postgraduate research projects of honours and/or PhD students
8. The ability to work independently in a research environment and as part of an inter-disciplinary research team
9. High level organisational skills, including the ability to plan and manage the use of research funds, with demonstrated capacity to establish and achieve goals
10. Excellent written and oral communication skills including the ability to prepare and communicate the aims and outputs of research projects in a range of formats
11. A demonstrated capacity to work in a collegiate manner with other staff in the workplace

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.