

POSITION DESCRIPTION – ACADEMIC

POSITION INFORMATION

Position Title	Research Fellow (Air Pollution and Environment)		
Faculty	Faculty of Health Sciences		
Institute	The Mary McKillop Institute for Health Research		
Nominated Supervisor	Program Director, Behaviour, Environment and Cognition Research Program	Campus/Location	Melbourne
Academic Level	Academic Level B	Academic Career	Research-focused
CDF Achievement Level	1 All Staff	Work Area Position Code	
Employment Type	Fixed term (5 years) Full-time	Date reviewed	2018

ABOUT AUSTRALIAN CATHOLIC UNIVERSITY

Our Mission: *Within the Catholic intellectual tradition and acting in Truth and Love, Australian Catholic University is committed to the pursuit of knowledge, the dignity of the human person and the common good.*

At ACU we pride ourselves on offering a welcoming environment for everyone. At the same time, we are a university committed to standing for something clear. We stand up for people in need and causes that matter. ACU's Mission is central to the University, and informs every area – integrating the dignity of the human person, the common good, and ethical and social justice considerations into our core activities of student learning and teaching, research and service.

We are a publicly-funded university which has grown rapidly over the past few years. We're young, but we are making our mark: ranking among the top universities worldwide. We have got seven campuses around Australia, more than 200 partner universities on six continents, and a campus in Rome, Italy.

We know that our people make us a university like no other. It's your values, action and passion that makes the difference. Whatever role you may play in our organisation: it's what you do that defines who we are.

We value staff, offering excellent leave and employment conditions, and foster work environments where they have the ability grow and develop. We continue to invest in our facilities and workplaces, and actively involve staff in shaping the future direction of the organisation.

In order to be agents of change in the world, we all need to see life through the eyes of others. We believe that our role as a university is to inspire and equip people to make a difference – and that means cultivating their ability to act and think empathetically.

We hope that you might champion these values, and work with us to create a place of learning that is not only the envy of the world, but the making of it.

The structure to support the University consists of:

- Provost
- Chief Operating Officer & Deputy Vice-Chancellor
- Deputy Vice-Chancellor, Research
- Deputy Vice-Chancellor, Students, Learning and Teaching
- Vice President
- Pro Vice-Chancellor Assisting the Vice-Chancellor and President

Each portfolio consists of a number of Faculties, Research Institutes or Directorates. The Vice President drives both the Identity and the Mission of the University. In addition, five Associate Vice-Chancellors and Campus Deans focus on the University's local presence and development of the University at the local 'campus' level.

ACU is committed to diversity and social inclusion in its employment practices. Applications from Aboriginal and Torres Strait Islander people, people with disabilities and people from culturally diverse groups are encouraged.

RESEARCH INSTITUTES

Research Institutes have been established at ACU as rigorous interdisciplinary and collaborative research environments without discipline-based boundaries, facilitating both immediate and ongoing collaborations of ACU researchers with interpersonal and national experts and enabling exceptional opportunities for innovative research to be conducted on a significant scale. This creates the potential for profound impact benefiting the research community and society as a whole.

The following Research Institutes have been established:

Institute for Positive Psychology

Mary MacKillop Institute for Health Research

Learning Sciences Institute Australia

Institute for Religion and Critical Inquiry

Institute for Social Justice

Institute for Religion, Politics and Society.

ABOUT THE MARY MACKILLOP INSTITUTE FOR HEALTH RESEARCH

The Mary MacKillop Institute for Health Research (MMIHR) is focused on undertaking research that discovers and promotes effective strategies to create a healthier Australia. The work undertaken in the MMIHR aims to address critical public health issues by identifying and responding with innovative programs that deliver better health outcomes and transform lives.

ACU provides The MacKillop with world-class research infrastructure that facilitates large-scale research studies. The research environment is outstanding in terms of resources (world-class research facilities, infrastructure support, research support staff with experience collecting data for large-scale projects, and secondary databases), intellectual capital (critical mass of world-class researchers, post docs, international visiting scholars and collaborators, and external linkages), and research mentoring and PhD supervision.

POSITION PURPOSE

The Research Fellow will contribute to research activities by proposing original research in the field of environmental epidemiology with specific focus on health impacts of transport and urban planning and policy, organising and/or supervising data collection, analysing data, and publishing in high quality scientific journal.

POSITION RESPONSIBILITIES

Introduction

A number of frameworks and standards express the University's expectations of the conduct, capability, participation and contribution of staff. These are listed below:

- ACU Strategic Plan 2015-2020
- Catholic Identity and Mission
- Learning For Life Framework 2014-2017
- ACU Teaching Criteria and Standards Framework
- Research Quality Standards
- Academic Performance Matrices and Evidence Framework
- ACU Capability Development Framework
- Minimum Standards for Academic Levels (MSALs)
- Higher Education Standards Framework
- ACU Service Principles
- ACU Staff Enterprise Agreement including provisions in relation to Performance Excellence and Academic Career Pathways.

The following two frameworks in particular are important in understanding the expectations of an academic position and the required qualifications and capability of a position holder:

- The [Academic Performance Matrices and Evidence Framework](#) which describes the performance standards in areas of academic activity.
- The [Capability Development Framework](#) which describes the core competencies needed in all ACU staff to achieve the University's strategy and supports its mission.

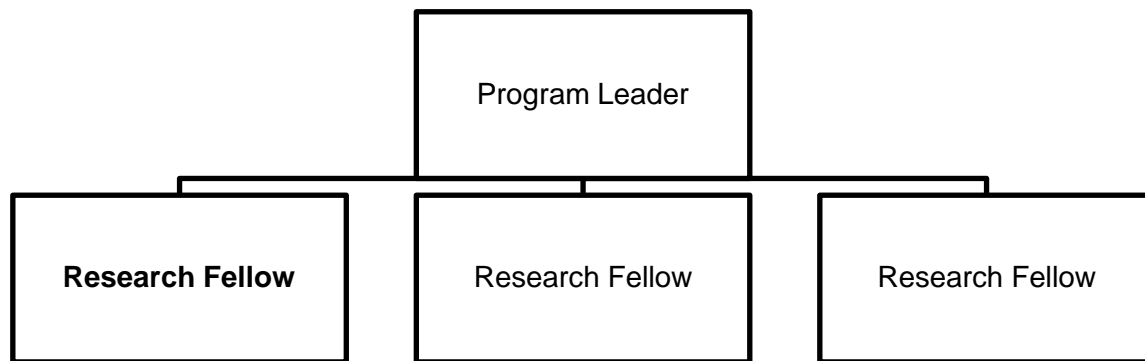
All academic staff are allocated workload comprising a range of academic duties/activities that fall within the following three broad areas of academic activity in line with the relevant Academic Career Pathway and Academic Level.

- Teaching, Curriculum Development and Scholarship of Teaching
- Research
- Academic leadership/service.

Key responsibilities

Broad area of academic activity	Key responsibilities specific to this position	Relevant Core Competencies (Capability Development)
Research	<ul style="list-style-type: none"> Analyse existing data on environmental (including air/noise pollution, built environment characteristics, green and blue spaces) and lifestyle determinants of cognitive and brain health Contribute to the development of Australian national traffic-related air/noise pollution surfaces in collaboration with members of the Centre of Research Excellence in Air Pollution. Conduct health impact assessments of transportation and urban planning policies with respect to cognitive and brain health. Assist in conducting research projects on environmental and lifestyle determinants of cognitive and brain health Write research papers and publish in high quality peer- reviewed journals Present research findings at seminars and national / international conferences Contribute to the development and writing of grant applications to external/internal funding bodies Mentor staff and research students in the Behaviour, Environment & Cognition research team Build collaborations with researchers and practitioners in the research fields of environmental epidemiology and environmental and lifestyle determinants of cognitive and brain health Provide regular written and verbal reports about the research activities undertaken as part of the appointment Maintain research confidentiality and conform to all requirements of research ethics, and the protection of intellectual property Comply with health and safety policies and procedures and the conduct of safe work practices 	<ul style="list-style-type: none"> Be responsible and accountable for achieving excellence Collaborate effectively Communicate with impact Make informed decisions
Academic Leadership and Service	<ul style="list-style-type: none"> Mentor staff and research students in the Behaviour, Environment & Cognition research team Co-lead the development of an international network of early and middle career researchers in the fields of environmental epidemiology and cognitive health Actively engage in peer-review activities (review of internal grants; review manuscripts in scientific peer-review journals) 	<ul style="list-style-type: none"> Coach and develop Collaborate effectively Be responsible and accountable for achieving excellence

REPORTING RELATIONSHIPS



Australian Catholic University

For further information about structure of the University refer to the [organisation chart](#)

SELECTION CRITERIA

Qualifications and Capability		Selection Criteria
Qualifications and other credentials		
1.	Completion of a PhD in environmental epidemiology and/or related fields.	Yes
Research		
2.	Demonstrated experience in GIS spatial analysis, health impact assessment of transport and/or urban planning policies and traffic-related pollution modelling and monitoring. Strong computing skills in these research areas, including the use of GIS and statistical software (e.g., R, STATA).	Yes
3.	Understanding of the current research literature relevant to the effects of the environment on lifestyle behaviours and health.	Yes
4.	Track record of high quality publications in relevant journals and conference presentations.	Yes
5.	Demonstrated experience and skills in managing programs of research independently as well as part of a research team.	Yes
Core Competencies		
6.	An ability to take personal accountability for achieving high quality outcomes through an understanding of organisational context, self-reflection, and aspiring to and striving for excellence.	Yes
7.	Demonstrate confidence and courage to achieve ACU's Mission, Vision and Values by connecting the purpose of one's work to ACU's Mission, Vision and Values.	Yes
8.	High level interpersonal skills and the ability to work effectively and cooperatively in a team and build strong working relationships.	Yes
9.	Ability to convey scientific facts, concepts and technical information clearly and concisely, using terms that the target audience can understand.	Yes
Other attributes		
10.	Demonstrate commitment to cultural diversity and ethical practice principles, and demonstrate knowledge of equal employment opportunity and workplace health and safety, appropriate to the level of the appointment.	Yes