



Start your research career with ECU's Centre for Precision Health

Join a thriving research culture of like-minded and curious people to develop unique sought-after skills such as genotyping, next-generation sequencing, neuro-stimulation, and bioinformatics.

Why study a Master's by Research degree?

Our Master's by Research will extend your knowledge and provide advanced-level study in your chosen specialisation.

It will also develop you as a leader within your profession and open new areas for professional development and future research studies.

This degree can set you on a path to a science or industry-based career or pave the way to higher-level PhD research studies.

Your career options could include:

- Research institutions (e.g. cancer institutes, medical research institutes)
- Universities
- Research laboratories
- Hospitals
- Government
- Private industry (e.g. pharmaceuticals, medical devices, healthcare, biotech)

Importantly, many medical and health professions require you to have a master's degree to progress.



Master of Medical and Health Science by Research

Designed to build on specialised undergraduate degrees and to provide an opportunity for advanced-level study in medical, biomedical, paramedical, allied health and exercise sciences.

The award comprises two components; coursework and production of a research thesis. The coursework component will provide instruction in research skills, methods and statistics to assist in the completion of the research thesis. Further, it will provide a tailored approach to providing advanced specialised knowledge for a chosen field.

The thesis component allows for in-depth investigation of a specific research question within the student's chosen field. The thesis will be supervised by experienced researchers within the School of Medical and Health Sciences whilst catering for engagement with industry and other partners to enhance research translation. This research course aims to extend the student's knowledge relevant to their chosen specialisation, in order to develop leadership roles within their profession and open up new areas for professional development and future research studies.

Course learning outcomes

- Apply cognitive, laboratory and creative skills to investigate complex medical, biomedical, allied health or health science constructs, ideas and issues by undertaking and evaluating research activities.
- Apply communication and collaboration skills to present findings, collaborate with diverse audiences and justify conclusions in professional contexts.
- Reflect critically on a complex body of medical, biomedical, allied health or health science knowledge, research principles and methods to demonstrate mastery in the field.
- Use high-level self-management skills and independent judgement to plan and execute a substantial research project.



No tuition fees

If you're a domestic student enrolled in a Higher Degree by Research program like this course, you won't be required to pay tuition fees.

The Australian Government provides tuition fee offsets under the Research Training Program for up to 2 years full-time (or equivalent) for Master's by Research courses.

All other non-tuition fees applicable to your course, such as the Student Services and Amenities Fee and any fees for incidental goods or services required to complete any of your units need to be paid by you.

Please note international students are still required to pay course tuition fees.



See more course information –
ecu.edu.au/courses/J90



The Centre for Precision Health

The Centre for Precision Health is a leading biomedical research centre at ECU, driving cutting-edge multidisciplinary research to develop and apply precision health strategies that address key health priorities to optimise health and quality of life.

Our researchers use their combined knowledge and expertise across genomics, proteomics, neurophysiology and health translation to optimise health and quality of life through cutting-edge research that delivers impactful precision health solutions.

What is precision health?

Instead of a 'one-size-fits-all' approach, we take a holistic approach that focuses on an individual's unique biology, psychosocial factors and how they interact, with the aim of informing personalised treatment strategies and health interventions.

Precision health allows clinicians and researchers to:

- Understand the underlying mechanisms of disease development and progression.
- Identify disease-specific genetic changes to inform diagnosis and recognise or predict undiagnosed conditions.
- Provide better population health improvements through evidence-based risk profiling.
- Predict treatment response to optimise treatment and ongoing care for each individual.
- Prevent potentially life-threatening side effects from medications and other systemic treatments.
- Guide lifestyle and environmental recommendations based on an individual's unique genetic risk factors.

Current project opportunities

As a research student, you'll be involved in cutting-edge research projects with significant academic and industry networking opportunities, as well as grant and professional development opportunities.

Each year, we recruit outstanding Master's by Research students to join our research teams.

Expressions of interest can be emailed to the research supervisors below:

Collaborative Genomics and Translation

Professor Simon Laws | s.laws@ecu.edu.au

Dr Tenielle Porter | t.porter@ecu.edu.au

Translational Melanoma Research

Professor Elin Gray | e.gray@ecu.edu.au

Neurophysiology

Dr Chris Latella | c.latella@ecu.edu.au

Cancer Cell Biology

Dr Vivian Chua | v.chua@ecu.edu.au

OncoAutoimmunity

Dr Pauline Zaenker | p.zaenker@ecu.edu.au

Cancer Genomics

Dr Aaron Beasley | a.beasley@ecu.edu.au

Mental Health

Professor Joanne Dickson | j.dickson@ecu.edu.au

Diabetes and Metabolic Disorders

Associate Professor Lois Balmer | l.balmer@ecu.edu.au

Thinking about applying?


Please contact one of the above Centre for Precision Health supervisors to discuss a potential thesis project.





Further Information

ecu.edu.au/courses/J90
cph@ecu.edu.au

 @Centre for Precision Health - ECU

When you join the Centre as a research student, you'll be part of a thriving research culture where you'll be supervised and mentored by researchers with proven track records for engendering high-calibre graduates with timely and excellent thesis outcomes.



Learn more about the Centre for Precision Health at ECU.