

SUB-FACULTY OF CLINICAL AND MOLECULAR MEDICINE

Open Day Information Session 2026



Supervisor Connect





MONASH UNIVERSITY recognises that its Australian campuses are located on the unceded lands of the people of the Kulin nations, and pays its respects to their Elders, past and present.



SUB-FACULTY OF CLINICAL AND MOLECULAR MEDICINE Honours Information Session

24 AUGUST 2026

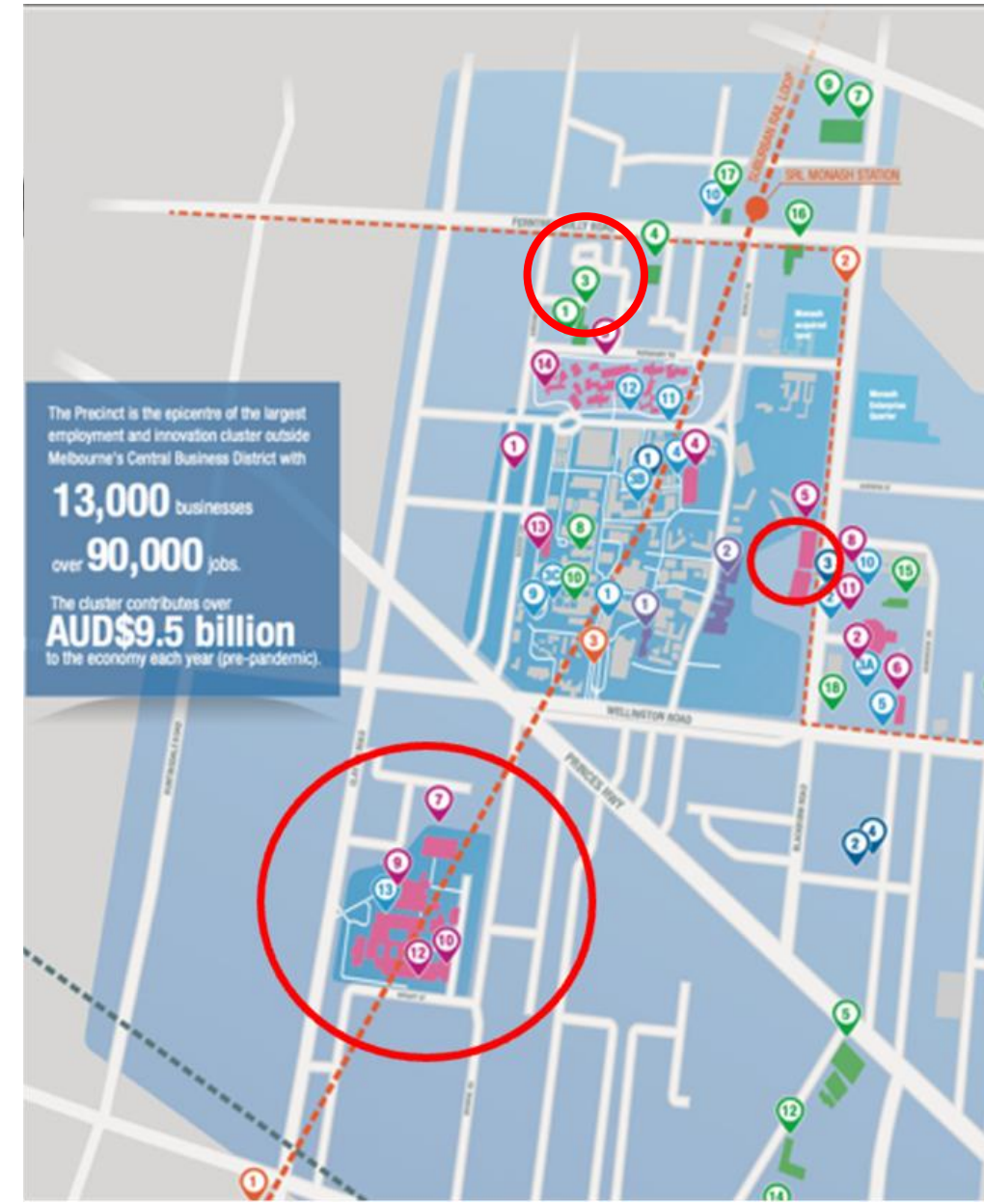
Professor Patrick Western on behalf of Sub-
Faculty Dean, Professor Euan Wallace AM



SUB-FACULTY OF CLINICAL AND MOLECULAR MEDICINE

- clinical node of the Monash Technology Precinct

- ~\$98M research revenue
- 100 research groups
- 280 PhD students



What makes our research precinct special?

1. We are at Australia's biggest health service, on Monash's doorstep

2. We do health across the lifespan

- Monash's home of Women and Children
- Every adult medical speciality – at scale



3. Our research crosses the entire continuum

- Discovery
- Translation
- Clinical research and clinical trials
- Health services research
- Implementation science



The background is a dark grid. Some cells contain images: a modern building with a curved facade (top left), a person wearing a VR headset (top right), and two people looking at a document (bottom right).

Sub-Faculty Entities

- **School of Clinical Sciences at Monash Health**
- **Victorian Heart Institute**
- **Monash Centre for Health and Research Implementation**
- **Hudson Institute of Medical Research** (University partner)



Medicine

Surgery

Psychiatry

Nutrition, Dietetics and Food

Obstetrics and Gynaecology

Paediatrics

Radiology and Radiological Sciences

Haematology

Centre for Inflammatory Diseases

Centre for Women's and Children's
Mental Health

Monash Emergency Research Collaborative

School of Clinical Sciences at Monash Health

Victorian Heart Institute

Director

**Distinguished Professor Stephen
Nicholls**

Highly Cited Researcher 2025



WOMEN'S
HEART HEALTH



UNDER-SERVED
POPULATIONS



LIVING
WELL



PERSONALISED
MEDICINE



NEW
TECHNOLOGIES



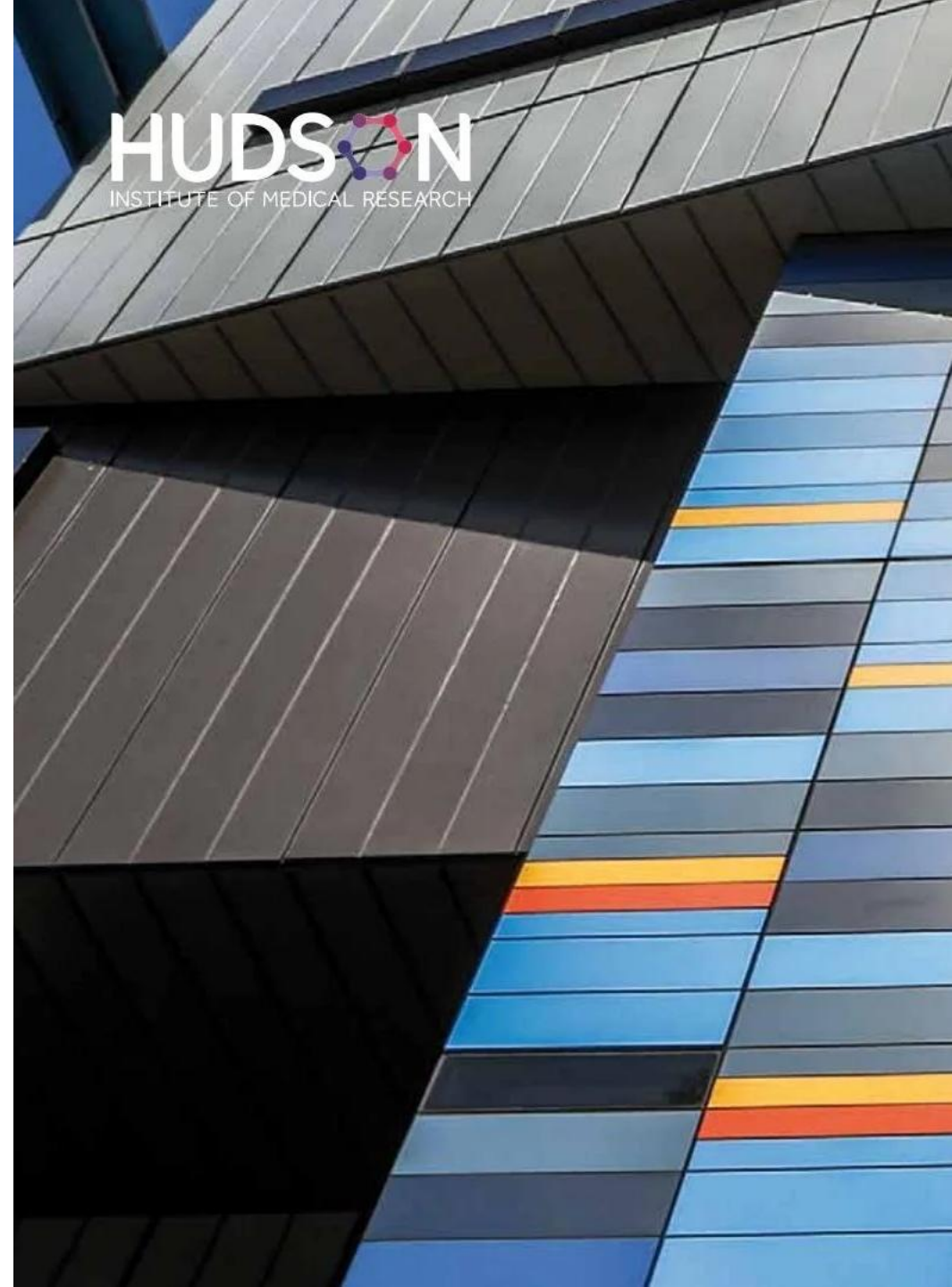
Hudson Institute of Medical Research

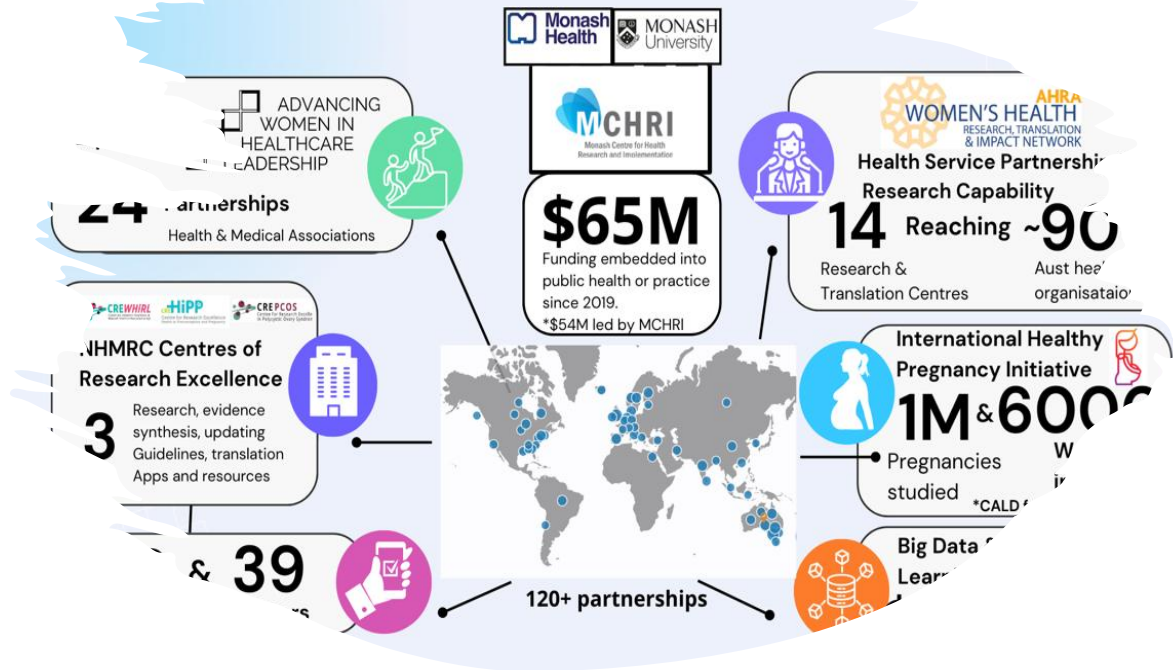


Director
Prof Elizabeth Hartland AM
President, AAMRI



- University Partner
- Australia's 4th largest Research Institute





Director
Distinguished Professor Helena Teede AM
World #1 PCOS researcher
Highly Cited researcher

**School of Clinical Sciences at
Monash Health**

Honours Information Session

Professor Michael Hickey

representing Professor Judy
Bauer (Interim Head)

24 August 2026



SCS Departments & Centres

***3 unique disciplines found only at SCS**

Medicine

Surgery

Psychiatry

***Nutrition, Dietetics and Food**

***Obstetrics and Gynaecology**

***Paediatrics**

Radiology and Radiological Sciences

Haematology

Centre for Inflammatory Diseases

**Centre for Women's and Children's
Mental Health**

Unlimited scope of medical and scientific domains

- **Centre for Inflammatory Diseases**
- **Stroke & Ageing Research (STAR)**
- **Behavioural Neuroscience Lab**
- **Blood Cancer Therapeutics laboratory**
- **Bone & Muscle Health Research**
- **The Ritchie Centre (with Hudson Institute)**
- **Nutrition & Dietetics**



BASE Facility at Monash University

Be Active Sleep Eat (BASE)



MONASH
University



PURPOSE

An interdisciplinary research, education and community engagement facility that advances the science of **nutrition, physical activity, sleep and wellbeing** to improve health outcomes and prevent chronic disease.



DISCIPLINARY EXPERTISE

- Nutrition and Dietetics
- Exercise Physiology and Physical Activity
- Sleep and Circadian Science
- Health and Behaviour Research



KEY FACILITIES

- Sleep laboratories for overnight and circadian rhythm studies
- Commercial research kitchen for interventions, food development and cooking demonstrations
- Exercise and fitness studio
- Clinical consulting rooms
- Advanced equipment to measure:



Body composition



Energy expenditure



Metabolic health



Appetite and satiety



Dietary intake and glycaemic responses



RESEARCH CAPABILITIES

- Nutrition and dietary interventions
- Obesity and weight management
- Physical activity and exercise
- Sleep health
- Metabolic and cardiometabolic health
- Food product development and testing
- Glycaemic index assessment
- Dietary analysis



COLLABORATIVE INITIATIVE

A collaborative initiative of:

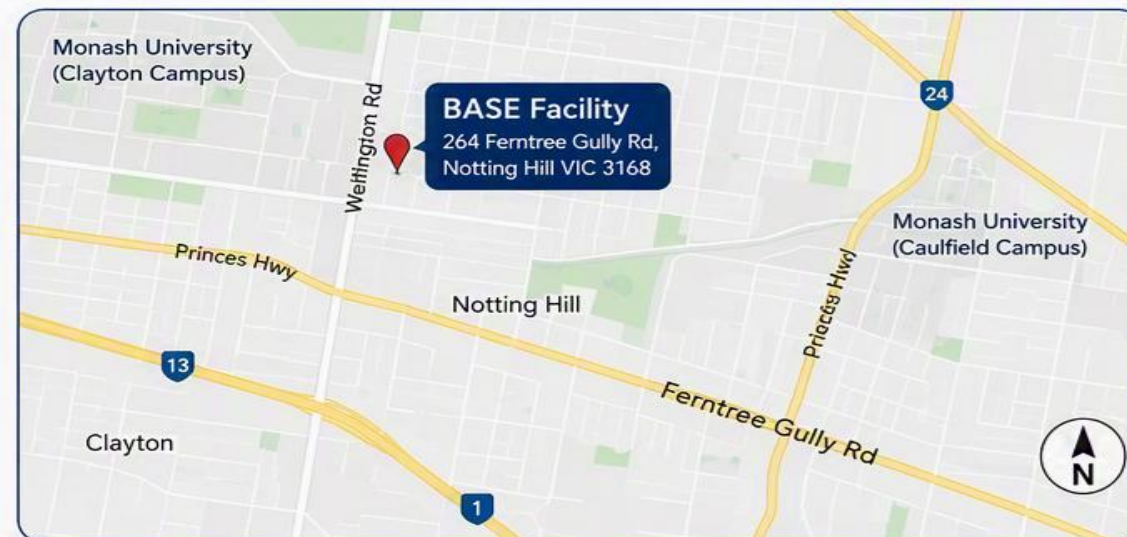
- Department of Nutrition, Dietetics and Food
- Turner Institute for Brain and Mental Health (Sleep and Circadian Rhythms Theme)



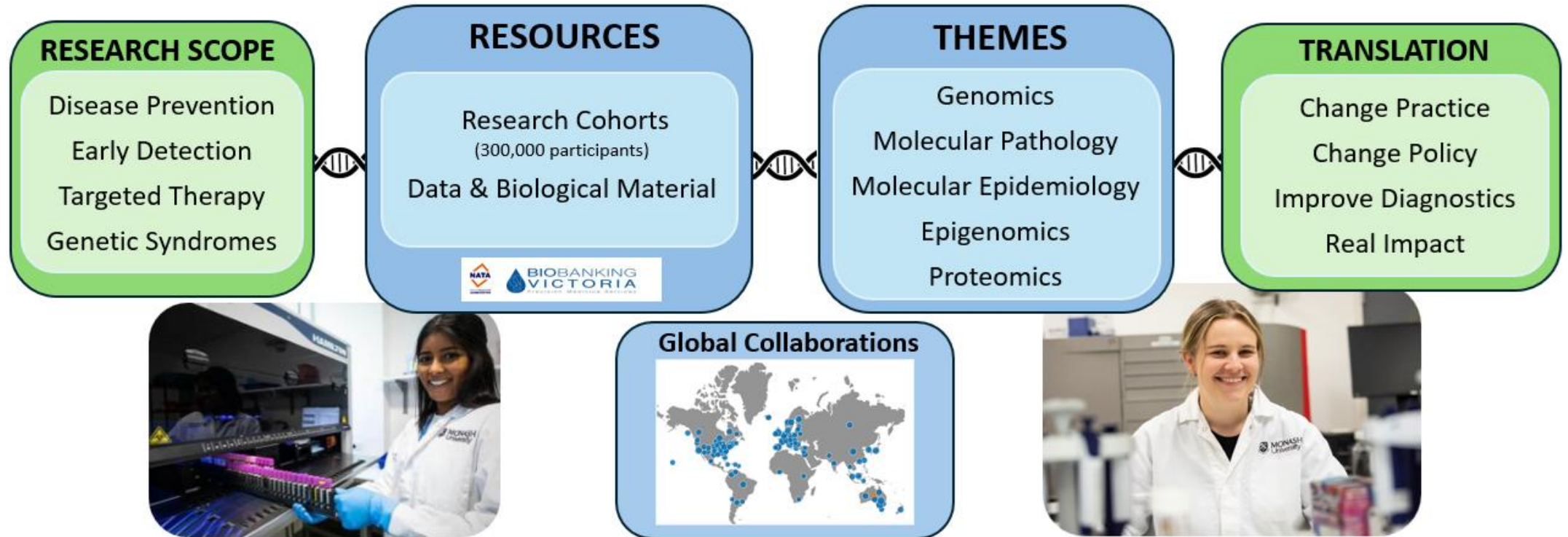
Translating research into practical strategies to improve health and wellbeing for individuals, communities and industry.



LOCATION: 264 Ferntree Gully Road, Notting Hill
(Clayton campus precinct), Victoria, Australia

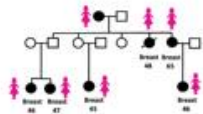


Precision Medicine

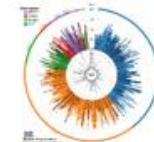


FOR STUDENTS

Contribute to cutting-edge research shaping the future of healthcare.
Gain hands-on experience in genomics, epigenetics, epidemiology, proteomics, and bioinformatics



Honours, Masters, and PhD projects are available



State of the Art Research Platforms for every line of inquiry

- Bioinformatics
- Cell Therapies
- Flow Cytometry
- Functional Genomics

- Histology
- Mass Spectrometry
- Medical Genomics
- Micro Imaging
- Monash Biobank

Discover. Research. Innovate.

Make an impact through Honours at SCS

Recent Honours Research Projects

Proteomic Identification of Targets for Antibody-Drug Conjugates in Paediatric Cancers

Developing bacterial extracellular vesicles as vaccines against stomach cancer

Studying how inflammation affects neurons and glia using human iPSCs

Establishing an organoid platform for assessing novel IBD therapeutics

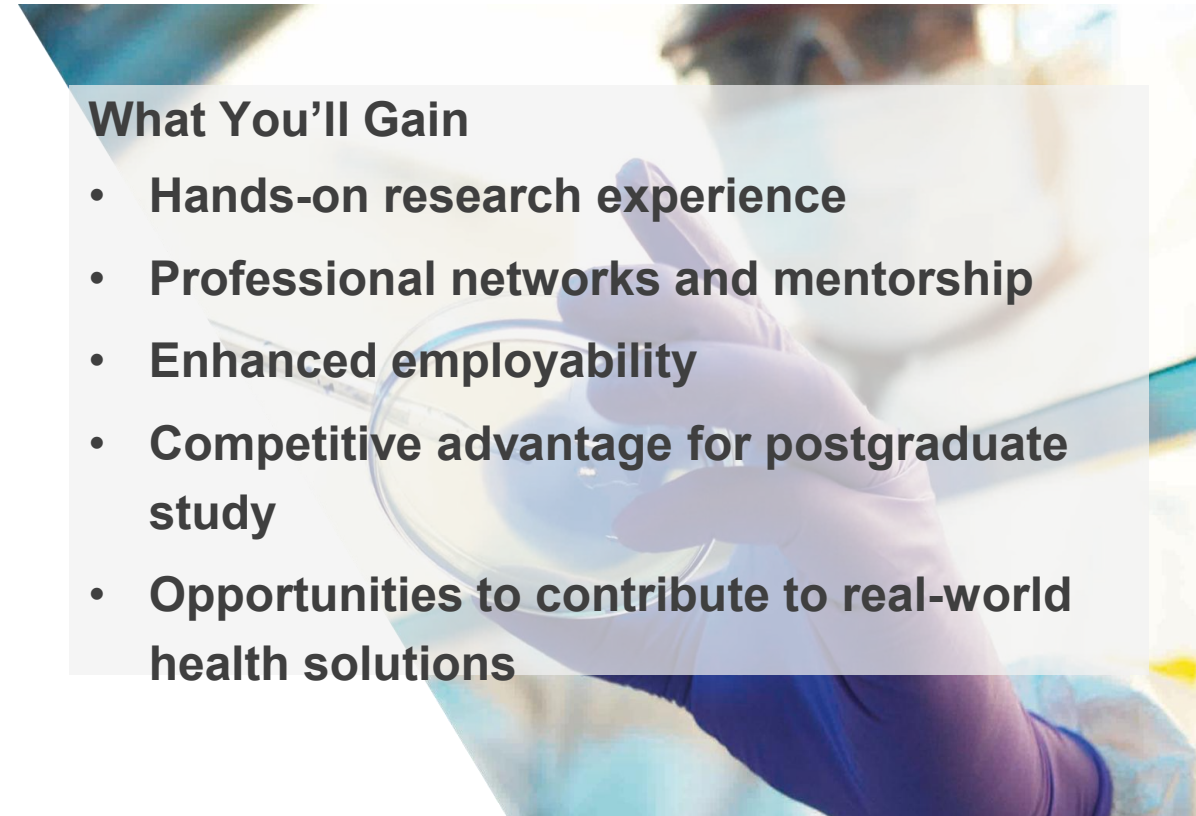
Brain Fog, Fatigue and Psychological Distress in Inflammatory Bowel Disease

Effects of Statin Treatment on Coronary Plaque Morphology: Longitudinal, Radiomics-Based Precision Phenotyping Using Computed Tomography Coronary Angiography

Impedance as a Biomarker: Interpreting Tissue Changes in Cochlear Implant Recipients

What You'll Gain

- Hands-on research experience
- Professional networks and mentorship
- Enhanced employability
- Competitive advantage for postgraduate study
- Opportunities to contribute to real-world health solutions



What have we got that's special?

- **Interface between clinical and fundamental science**, via collaborations of clinicians and scientists
- **State of the art platforms:** Clinical trials centre and human imaging platform embedded in research platforms and research centres

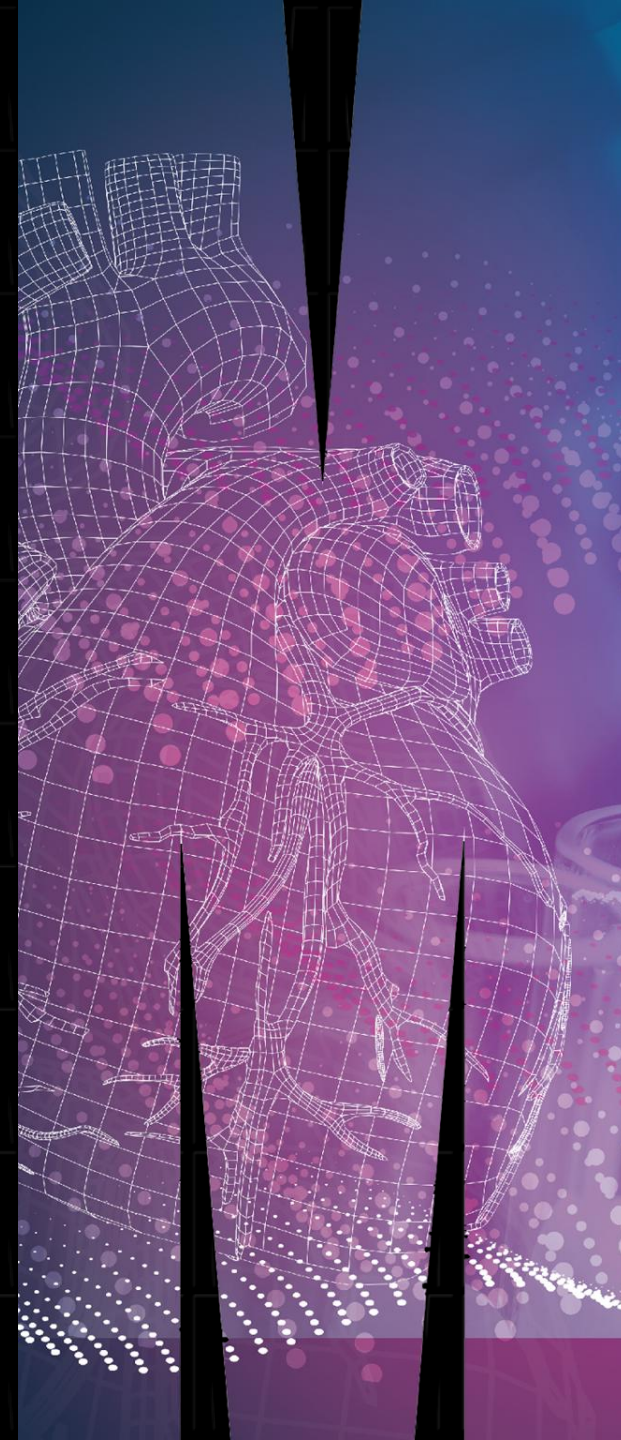


Typical SCS research team of scientists and clinicians (Haematology group)

Victorian Heart Institute

SF-CaMM Honours Information Evening 2026

Professor Stephen Nicholls
Director, Victorian Heart Institute
Program Director, Victorian Heart Hospital

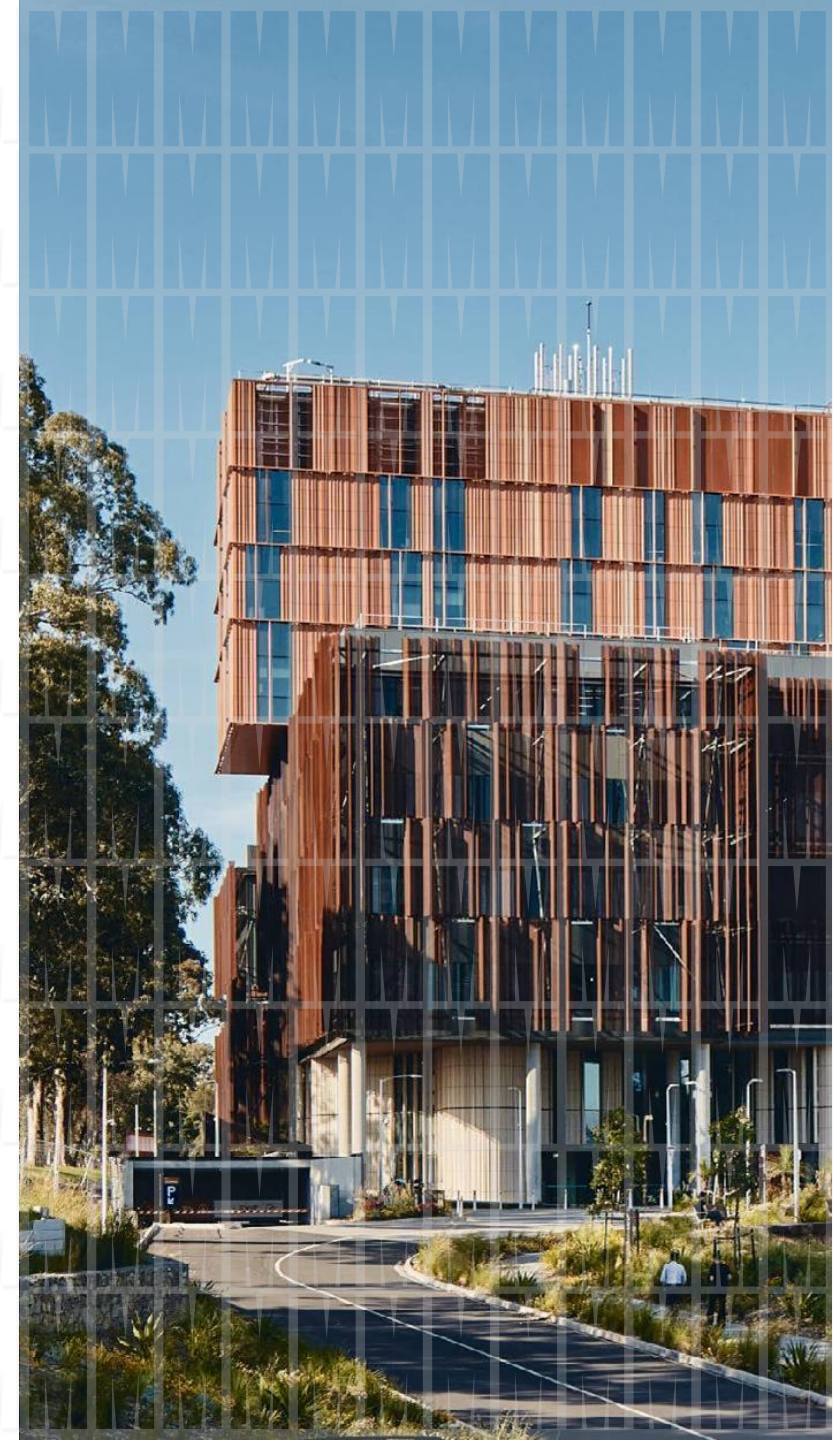


OUR VISION AND COMMITMENT TO RE-IMAGING THE FUTURE OF HEART HEALTH

At the **Victorian Heart Institute** we create breakthrough opportunities that re-imagine cardiovascular health.

Our vision is to imagine and realise the future of heart health through **transformative research, education and innovation**.

Our mission is to change the rates of cardiovascular disease in Australia and beyond for everyone; by **uniting world-class programs** with **strategic partnerships, state-of-the-art facilities**, and a **vibrant, integrated research ecosystem**.



PRECINCT

We're developing a translational ecosystem dedicated to improving health outcomes through innovation.

> CLINICAL CARE

Victorian Heart Hospital (VHH)

- High volume healthcare
- New referral pathways
- Innovative platforms for healthcare delivery
- Clinical centre of excellence
- Training the next generation of cardiovascular health care professionals

> RESEARCH AND EDUCATION

Victorian Heart Institute (VHI)

- Research and teaching integrated within VHH
- Connected and strategic activities across Monash University
- Broad reach across Monash global footprint
- Focus on grand challenges
- Clinical trial activity from phase I-IV

> ACCELERATION

Monash Velos Accelerator (VA)

- Train and embed an acceleration culture
- Accelerate innovation for internal and external partners
- Home for spinouts and industry partners
- Expand infrastructure capability to promote acceleration

HEALTH INNOVATION



OUR FRAMEWORK FOR ACADEMIC AND CAREER EXCELLENCE

SKILL DEVELOPMENT

- Research masterclasses
- Combined group lab meetings and cross-discipline collaborations

MENTORSHIP & CAREER PATHWAY SUPPORT

- **VHI Future Research Leaders Alliance** (*supporting early-to-mid career researchers*)
- **VHI PhD Committee** (*supporting Honours, Master's and PhD students*)

CULTURE & COMMUNITY

- Joint Hospital & Institute Grand Rounds
- Social events & Networking Opportunities



VHI SUPERVISORS



A/PROF NITESH NERLEKAR



DR ESTHER DAVIS



DR YUNG-CHIH (BEN) CHEN



DR HUI-CHEN HAN



A/PROF ANDREW LIN



DR SEAN TAN

Student Open day

2026



*Director
Prof Elizabeth Hartland AM*

Hudson Institute is 12 years old

1960

Prince Henry's Hospital
Medical Research Centre
established on St Kilda
Road, Melbourne

1987

Queen Victoria Hospital and
Prince Henry's Hospital are
relocated to the new
Monash Medical Centre,
Clayton

2014

Hudson Institute of Medical Research
is formed through the merger of Prince
Henry's Institute and Monash Institute
of Medical Research

1978

Monash University's Centre
for Early Human
Development is established
at Queen Victoria Hospital,
Lonsdale Street, Melbourne

In 2025

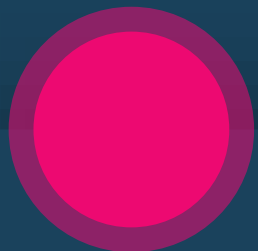
> **440**
STAFF AND STUDENTS

43
RESEARCH GROUP HEADS

> **240**
RESEARCH PUBLICATIONS

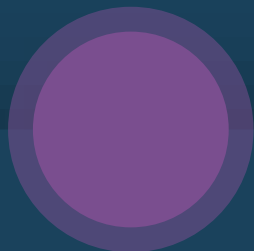
Our Research Themes

Our research programs deliver in three broad areas of medical need:



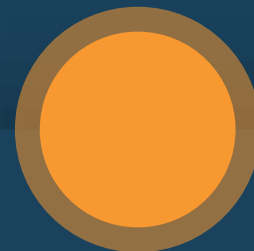
Women's and Newborn Health

We are undertaking innovative research to inform better healthcare and outcomes for high-risk babies and to address the unmet medical need of health conditions affecting women.



Cancer

We employ cutting-edge technologies, including artificial intelligence, to pioneer new methods for diagnosing and treating adult cancers and childhood malignancies.

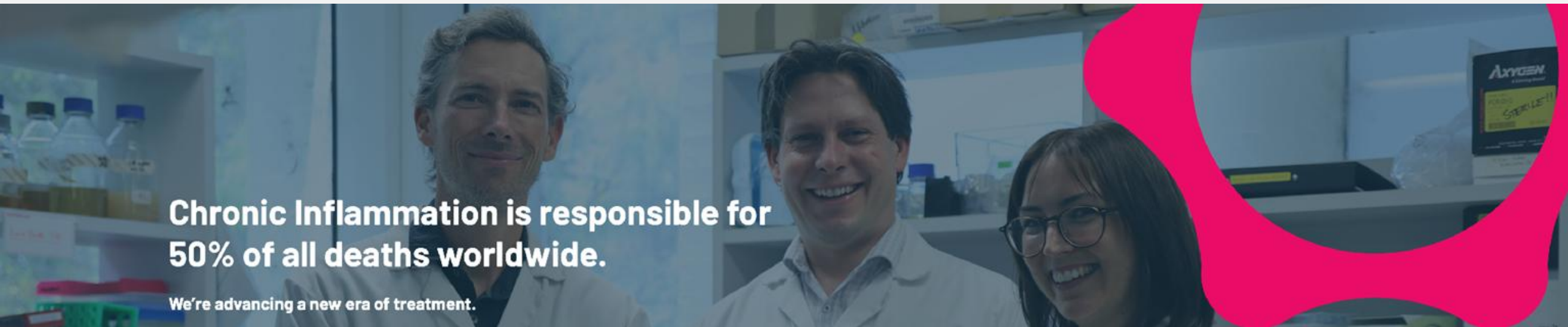


Inflammation

We are changing the understanding and treatment of major inflammatory and infectious diseases by uncovering the complex networks that control dangerous and chronic inflammation.

Hudson Institute Centres of Excellence

- Centre for Innate Immunity and Infectious Diseases
- Centre for Cancer Research
- The Ritchie Centre
- Centre for Endocrinology and Reproductive Health

A photograph of three scientists (two men and one woman) smiling in a laboratory setting. The man on the left is wearing a white lab coat. The woman on the right is wearing glasses and a white lab coat. The background shows laboratory equipment and shelves.

**Chronic Inflammation is responsible for
50% of all deaths worldwide.**

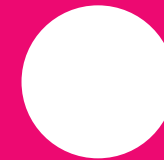
We're advancing a new era of treatment.

Hudson Institute Student Society (HISS)

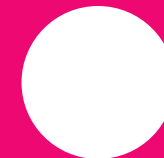
HISS organises regular social events, competitions and conferences including

- Hudson Student Retreat
- 3 minute thesis competition
- Christmas in July
- Dumplings nights
- Trivia and movie nights.

Students at a glance



176
STUDENTS



56
POSTGRADUATE AND
HONOURS COMPLETED

Our Precinct

Hudson Institute is located within a major scientific and medical innovation hub in Melbourne's south-east corridor, in Clayton, Victoria.

The Monash Medical Precinct is a focal point for biomedical research translation and healthcare, with founding partners, Hudson Institute, Monash Health, including the Monash Children's Hospital, and Monash University.



Monash Centre for Health Research and Implementation (MCHRI)



A partnership between:



About us ▾

Guidelines & Resources ▾

Evidence & Translation ▾

Platforms for Impact ▾



Better care, better equity, better health

Monash Centre for Health Research and Implementation

Learn about our work and resources for health impact. For details on our research and education visit our [Monash University website](#).



Community



Health Professionals



Policy Makers



Prof Kirsten Palmer

Deputy Director

kirsten.palmer@monash.edu

MONASH CENTRE FOR HEALTH RESEARCH AND IMPLEMENTATION

BETTER CARE, BETTER EQUITY, BETTER HEALTH
Research Programs



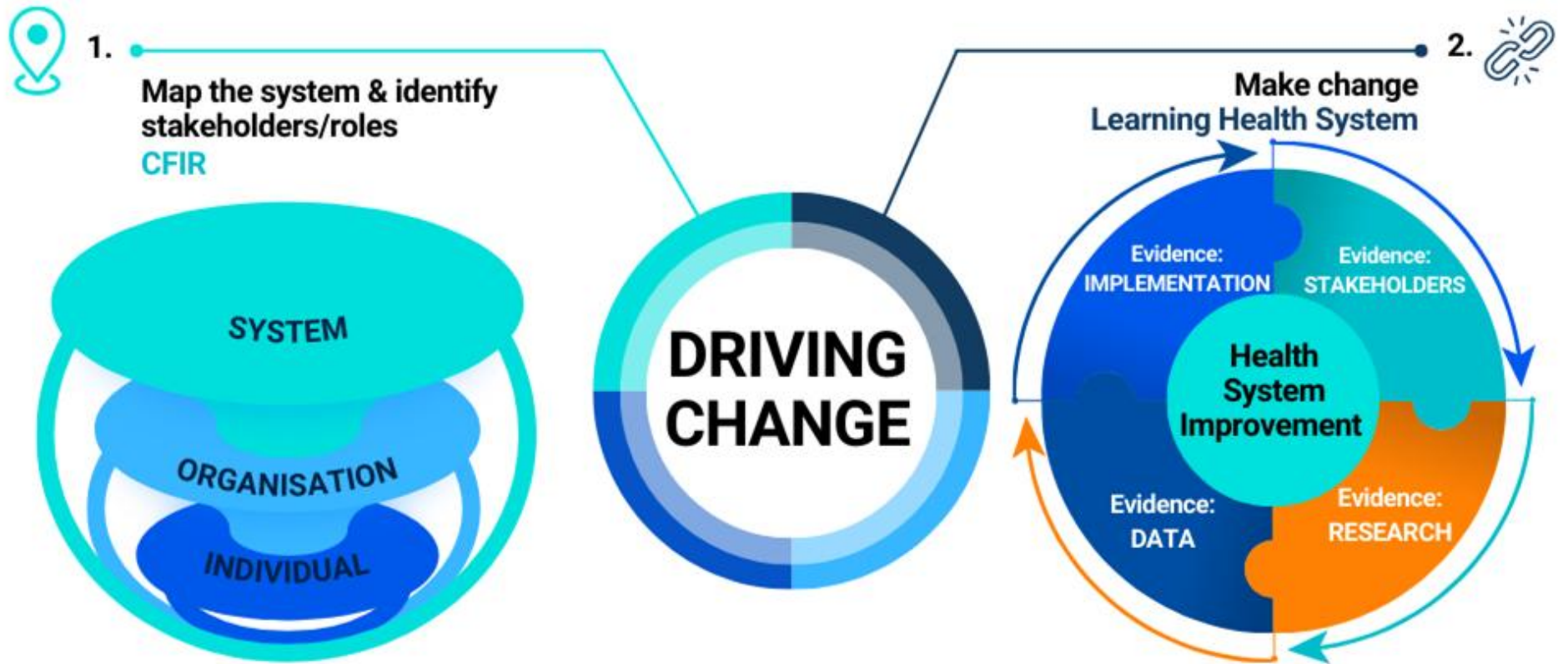
Cross Cutting Platforms



Learning Academy

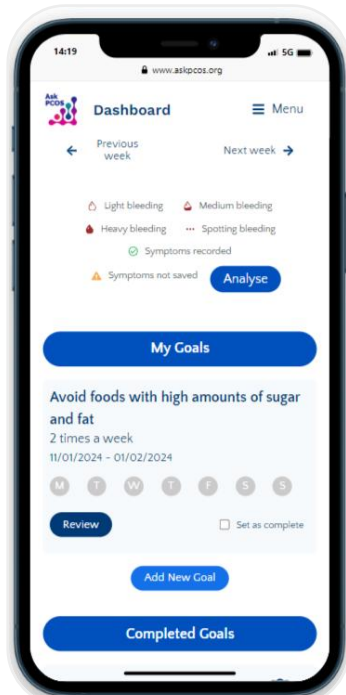


Leading systems change for impact

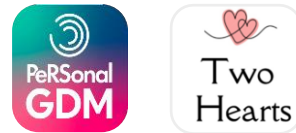


OUR SCALABLE DIGITAL HEALTH ECOSYSTEM

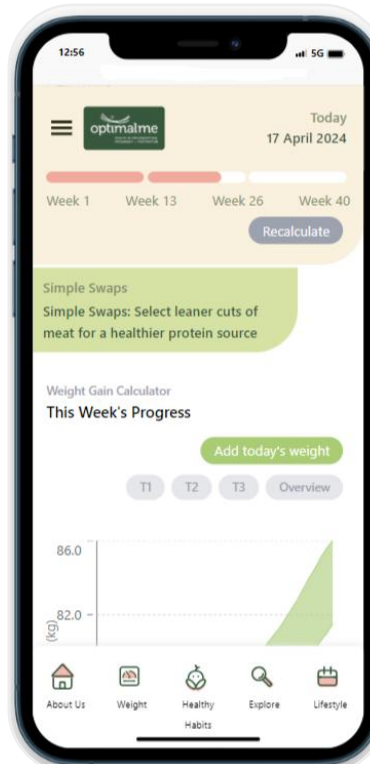
Consumer/ Self Management Apps



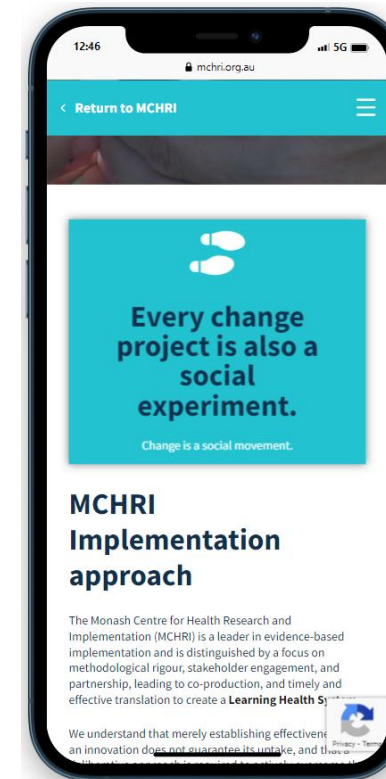
Risk Calculators



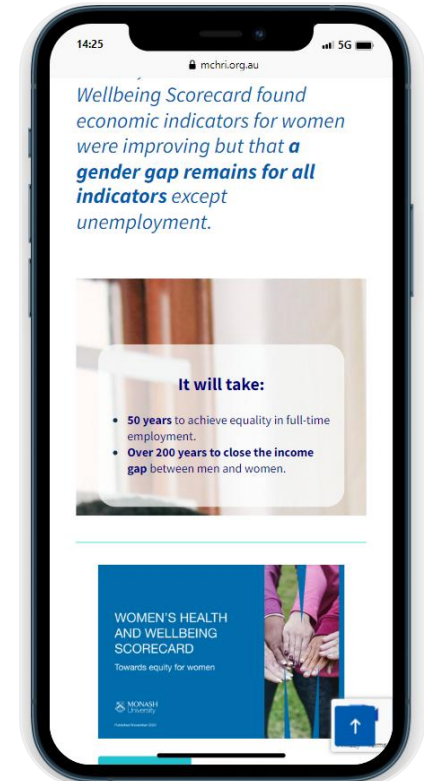
Lifestyle Interventions



Change Implementation in Health and Advancing Women in Leadership Toolkits



Interactive Women's Health & Wellbeing Scorecard



LOCATION AND FACILITIES

Located in the **Monash Health Translation Precinct integrated with** Monash Medical Centre, Clayton

Access to Monash University and Monash Health Facilities

5-minute walk to Clayton Station

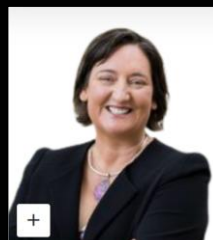




Professor Helena Teede
DIRECTOR & PROF IN WOMEN'S
HEALTH & EQUITY



Professor Emily
Callander
LEAD, WOMEN'S ECONOMICS &
VALUE BASED CARE



Professor Cassandra
Szoek
LEAD, HEALTHY AGING & SEX
DIFFERENCES



Assoc. Professor
Amanda Vincent
LEAD, EARLY MENOPAUSE



Professor Lisa Moran
LEAD, HIGH RISK WOMEN'S HEALTH



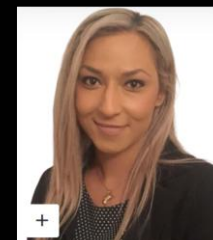
Assoc. Professor
Joanne Enticott
LEAD, BIG DATA & THE LEARNING
HEALTH SYSTEM



Assoc. Professor
Cheryce Harrison
LEAD, PUBLIC HEALTH IN HEALTHY
LIFESTYLE



Assoc. Professor Anju
Joham
LEAD, PCOS GUIDELINES



Assoc. Prof Aya Mousa
LEAD, GESTATIONAL
DIABETES/DIABETES



Dr Sandy Reeder
LEAD, QUALITATIVE
IMPLEMENTATION RESEARCH



Dr Anusha Ramani-
Chander
LEAD, EDUCATION, WORKFORCE &
CAPACITY BUILDING



Professor
Kirsten Palmer

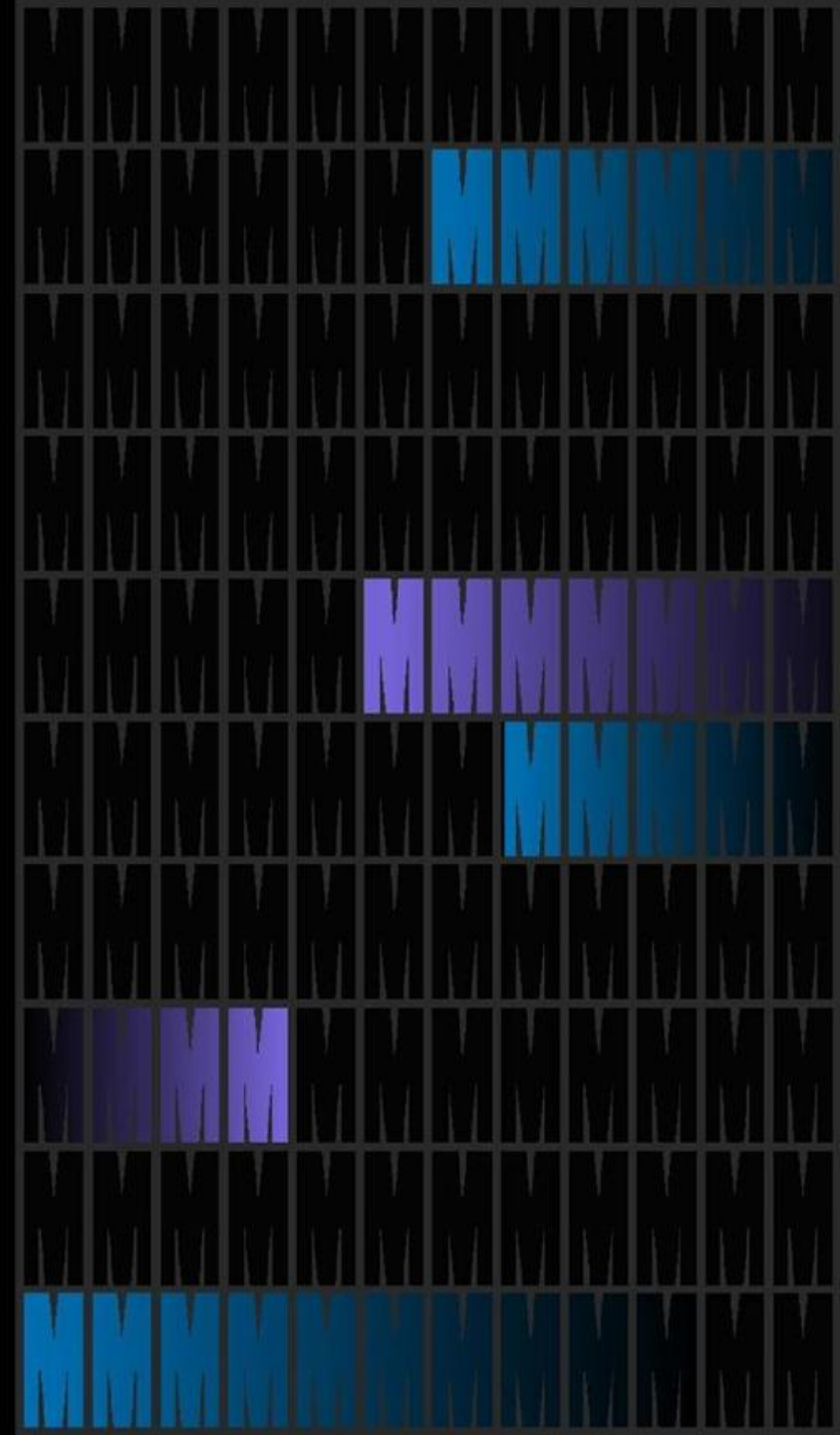


Website: www.mchri.org.au

Email:

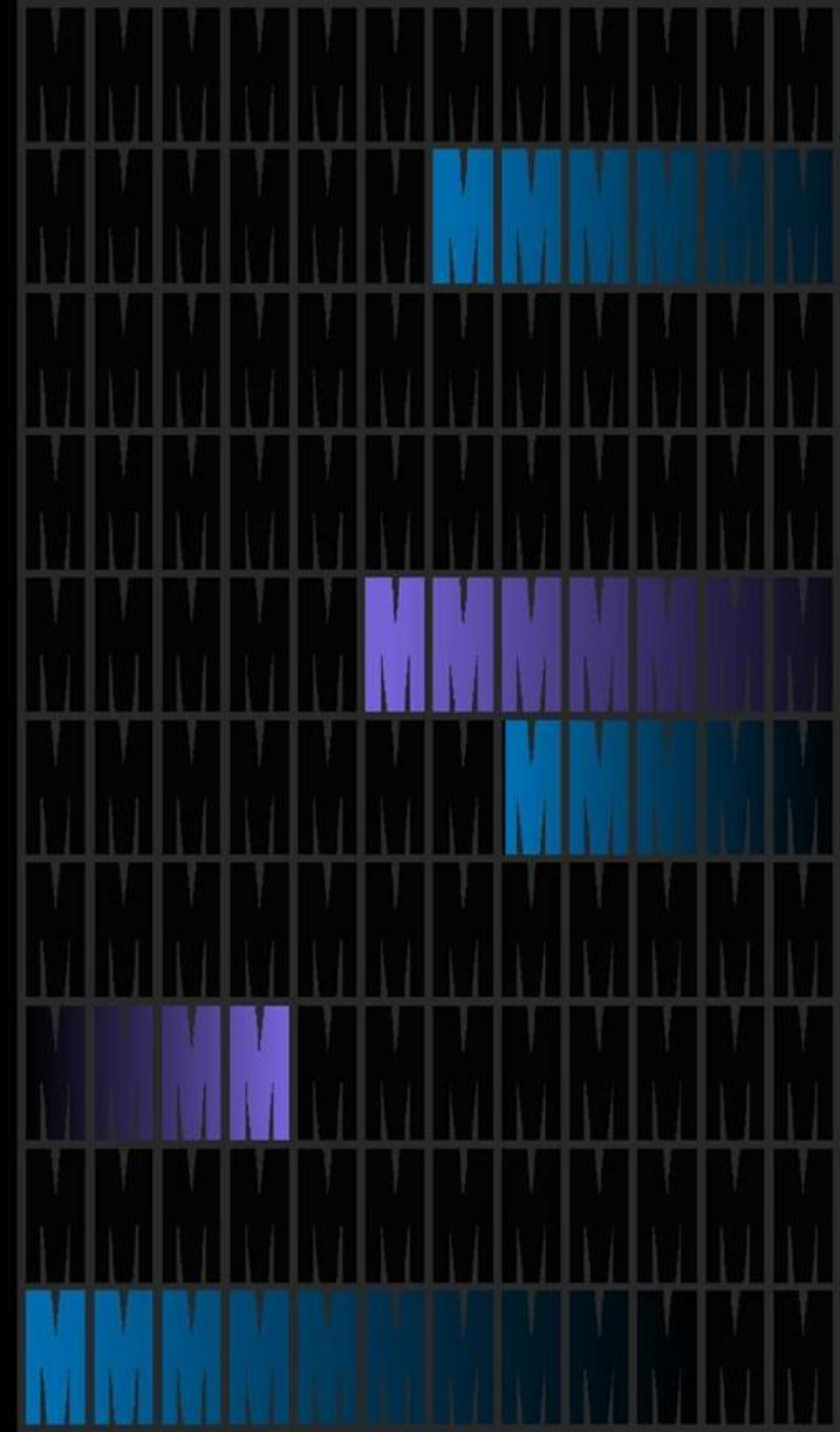
Student Experience

Angela Vu and Yoseph Wahba Molano



How to Apply for Honors

Associate Professor Simon Chu & Dr Emily Camm



Honours Application



Associate Professor Simon Chu

Co-convenor BMS Honours at Hudson/SCS
Research Group Head
Hormone Cancer Therapeutics
Simon.chu@hudson.org.au



Professor Paul King

Co-convenor BMS Honours at SCS/Hudson
Research Group Head
Inflammatory Respiratory Disease Research
Paul.king@monash.edu



SCS/Hudson Institute Bachelor of Biomedical Science Honours Degree

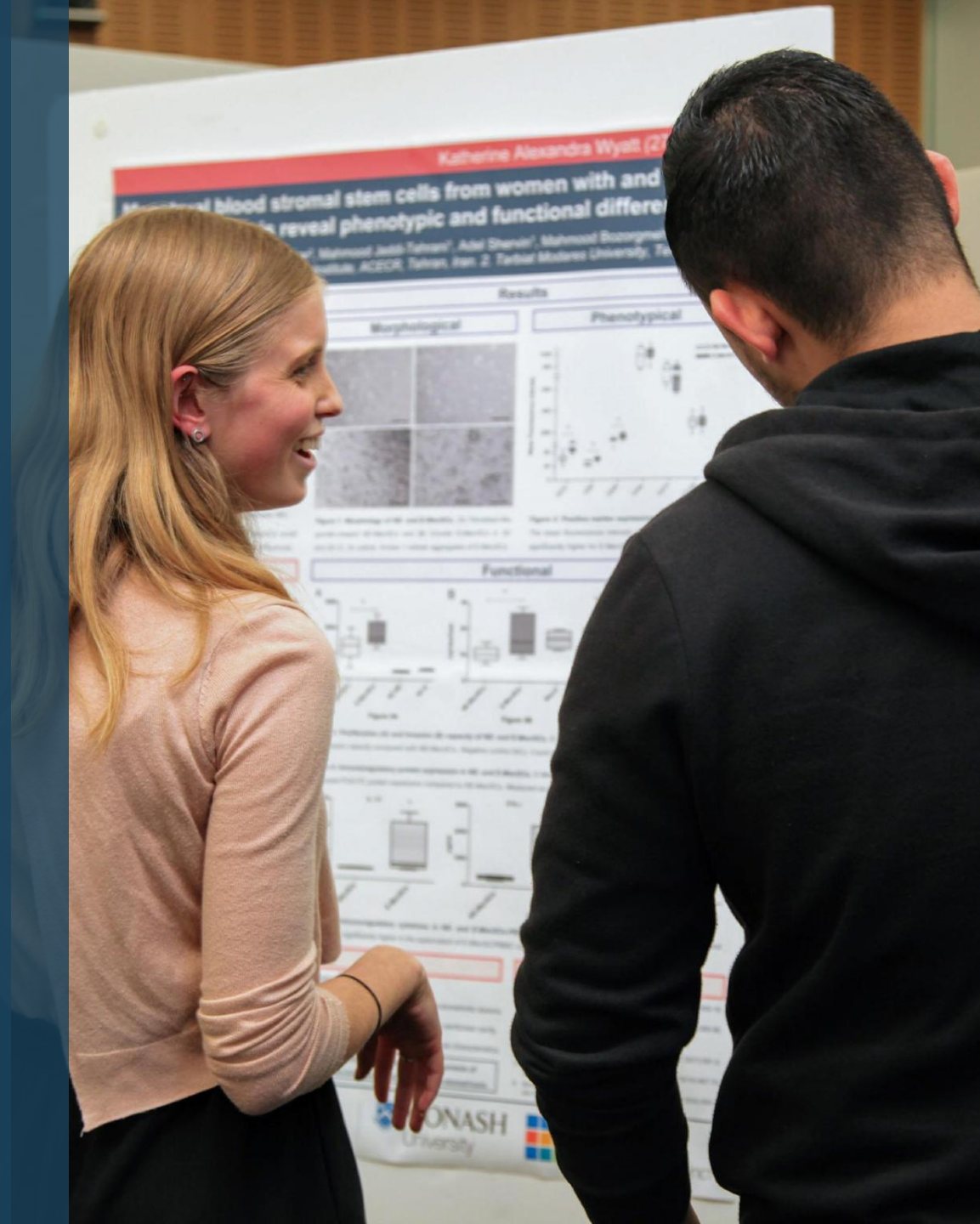
Combination of Coursework and Research Project

BMS4100 – Biomedical Science Research Project (75%):

- Students complete a supervised research project culminating in a thesis

BMS4200 Coursework (25%):

- Biostatistics Course - 8 – 10 lectures
- essay and synopsis - Scientific Poster - Travel Grant Application



The Biomedical Science Honours Course (code M3702) comprises two units:

BMS4100 Biomedical Research Project (36 points)	Assessment	
Literature Review	10%	School/Department
Seminar 1	S or NS	School/Department
Seminar 2	10%	School/Department
Thesis	80%	School/Department
Thesis Review		School/Department
Total	100%	

BMS4200 Advanced Studies in Biomedical Science (12 points)	Assessment	
Discipline-Specific component	60%	School/Department
Biostatistics course	40%	Faculty
Total	100%	

Minimum Entry Requirements

(Domestic students)

Bachelor's degree in Biomedical Science from Monash or equivalent qualification required

**Monash students need 70%+ average in 24 points at third-year level
(12+ points in core units)**

Non-BMS or non-Monash applicants must show comparable performance in equivalent biomedical science courses

Application Process

Look for a project and supervisor

Hudson Institute

<https://www.hudson.org.au/students/student-projects-search/>

SF-CAMM

<https://www.monash.edu/medicine/scs/available-research-projects>

Supervisor Connect

<https://www.monash.edu/medicine/research/supervisorconnect>

Contact the prospective supervisor:

- Discuss the potential project
- Organise a tour of the lab

Contact:

A/Prof Simon Chu (simon.chu@Hudson.org.au)
or **Prof Paul King** (paul.king@monash.edu)

- Inform us that you have met/discussed project with a potential supervisor

Apply online:

- <https://www.monash.edu/study/courses/find-a-course/biomedical-science-m3702#application-fees>
- You will need to send your application to the BMS Honours co-convenors

BSc (Hons)

Similar process and requirements, but through the Faculty of Science

Enrolment is through one of the Monash University Departments
(<https://www.monash.edu/science/current-students/science-honours>)

You will need to contact the Honours coordinator of the Department you will enrol through, as well **A/Prof Simon Chu** (Hudson Institute)



BMedSc (Hons)

Open to medical students and graduates who have completed 3–4 years of their degree.

Similar application process and requirements.



Contact the SF-CAMM Director of BMedSc(Hons):

Dr Emily Camm

Or

The Director of Medical Student Research:

A/Prof. Megan Wallace



Closing Date for Honours 2026

For students wishing to enrol in Honours commencing Semester 1 2027:

13 November 2026 (now open): Honours application closing date

22 February 2027: Official start date of compulsory research-orientation activities

For students wishing to enrol in Honours commencing Semester 2 2027:

~mid June 2027: Honours application closing date

~ 19 July 2027: Start date of compulsory research-orientation activities

For students wishing to enrol in BMedSci (Hons) commencing Semester 1 2027:

10 December 2026: Honours application closing date

1 March 2027: Official start date of compulsory research-orientation activities

Contacts

BMS Honours

A/Prof Simon Chu (simon.chu@hudson.org.au)

Prof Paul King (paul.king@monash.edu)

mmc.honours@monash.edu

BSc Honours

A/Prof Simon Chu (simon.chu@hudson.org.au)

mmc.honours@monash.edu

BMedSc (Hons)

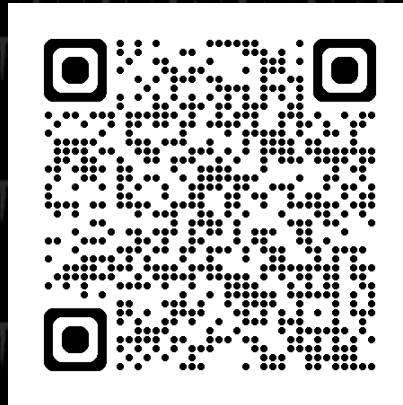
Dr Emily Camm (emily.camm@monash.edu)

A/Prof Megan Wallace (megan.wallace@monash.edu)

med-bmedsc-hons@monash.edu

THANK YOU & Questions

Scan for Honours Website



Scan for research
projects database

