MONASH University

MEDICINE, NURSING AND HEALTH SCIENCES

CENTRES AND INSTITUTES

Prof. Renea Taylor

Associate Dean, Centres and Institutes

December 2024

FACULTY OF MEDICINE, NURSING AND HEALTH SCIENCES

SUB-FACULTY STRUCTURE

MONASH University

SUB-FACULTY OF BIOMEDICAL SCIENCES	SUB-FACULTY OF CLINICAL AND MOLECULAR MEDICINE	SUB-FACULTY OF TRANSLATIONAL MEDICINE AND PUBLIC HEALTH	SUB-FACULTY OF HEALTH SCIENCES	OTHER SCHOOLS AND INSTITUTES
SCHOOL OF BIOMEDICAL SCIENCES	SCHOOL OF CLINICAL SCIENCES	SCHOOL OF TRANSLATIONAL MEDICINE	SCHOOL OF PRIMARY AND ALLIED HEALTH CARE	SCHOOL OF PSYCHOLOGICAL SCIENCES
		SCHOOL OF PUBLIC HEALTH AND PREVENTIVE MEDICINE	SCHOOL OF NURSING AND MIDWIFERY	EASTERN HEALTH CLINICAL SCHOOL
			SCHOOL OF RURAL HEALTH	SCHOOL OF MEDICINE AND HEALTH SCIENCES (Malaysia)
			MONASH MEDICAL PROGRAM	

FACULTY OF MEDICINE, NURSING AND HEALTH SCIENCES

OUR INSTITUTES

SUB-FACULTY OF BIOMEDICAL SCIENCES

SCHOOL OF BIOMEDICAL SCIENCES

Monash Biomedicine Discovery Institute

SUB-FACULTY OF CLINICAL AND MOLECULAR MEDICINE

SCHOOL OF CLINICAL SCIENCES

Victorian Heart Institute

Hudson Institute of Medical Research

SUB-FACULTY OF TRANSLATIONAL MEDICINE AND PUBLIC HEALTH

SCHOOL OF TRANSLATIONAL MEDICINE

SCHOOL OF PUBLIC HEALTH AND PREVENTIVE MEDICINE

SUB-FACULTY OF HEALTH SCIENCES

SCHOOL OF PRIMARY AND ALLIED HEALTH CARE

SCHOOL OF NURSING AND MIDWIFERY

SCHOOL OF RURAL HEALTH

MONASH MEDICAL PROGRAM

OTHER SCHOOLS AND INSTITUTES

SCHOOL OF PSYCHOLOGICAL SCIENCES

EASTERN HEALTH CLINICAL SCHOOL

SCHOOL OF MEDICINE AND HEALTH SCIENCES (Malaysia)

Turner Institute for Brain and Mental Health

Australian Regenerative Medicine Institute

Monash Institute of Medical Engineering (With Faculty Of Engineering)

FACULTY OF MEDICINE, NURSING AND HEALTH SCIENCES

OUR CENTRES

SUB-FACULTY OF BIOMEDICAL SCIENCES

SCHOOL OF BIOMEDICAL SCIENCES

Centre for Human Anatomy Education

SUB-FACULTY OF CLINICAL AND MOLECULAR MEDICINE

SCHOOL OF CLINICAL SCIENCES

Centre for Inflammatory Diseases

Monash Centre for Health Research and Implementation

Ritchie Centre

SUB-FACULTY OF TRANSLATIONAL MEDICINE AND PUBLIC HEALTH

SCHOOL OF TRANSLATIONAL MEDICINE

SCHOOL OF PUBLIC HEALTH AND PREVENTIVE MEDICINE

Australian Centre for Blood Diseases

The Australian and New Zealand Intensive Care Research Centre

Centre of Cardiovascular Research and Education in Therapeutics

Monash Centre for Occupational and Environmental Health

SUB-FACULTY OF HEALTH SCIENCES

SCHOOL OF PRIMARY AND ALLIED HEALTH CARE

SCHOOL OF NURSING AND MIDWIFERY

SCHOOL OF RURAL HEALTH

MONASH MEDICAL PROGRAM

Rehabilitation, Ageing and Independent Living (RAIL) Research Centre

OTHER SCHOOLS AND INSTITUTES

SCHOOL OF PSYCHOLOGICAL SCIENCES

EASTERN HEALTH CLINICAL SCHOOL

SCHOOL OF MEDICINE AND HEALTH SCIENCES (Malaysia)

Centre to Impact Antimicrobial Resistance

Gukwonderuk Indigenous Health Workforce Centre

Health, Education, Research in Women's Mental Health Centre (HER Centre Australia)

Monash Addiction Research Centre

Monash Alfred Baker Centre for Cardiovascular Research

Monash-Epworth Rehabilitation Research Centre

Monash University Clinical Trials Centre

MEDICINE, NURSING AND HEALTH SCIENCES

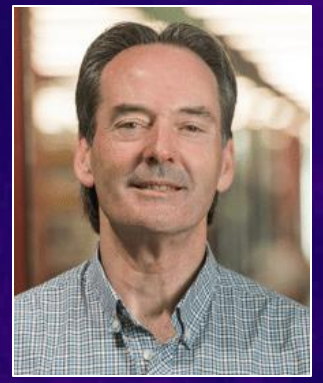
MONASH University

AUSTRALIAN REGENERATIVE MEDICINE INSTITUTE

The Australian Regenerative Medicine Institute (ARMI) is dedicated to unlocking the regenerative capabilities of the human body.

Our research themes are:

- Heart and Muscle Development and Regeneration
- Immunity and Regeneration
- Neural Regeneration
- Organ Engineering and Synthetic Biology
- Stem Cells and Regeneration



Prof. Peter Currie
Director
armi.org.au

SUB-FACULTY OF CLINICAL AND MOLECULAR MEDICINE

HUDSON INSTITUTE OF MEDICAL RESEARCH

Hudson Institute's specialist centres bring together the finest professionals in Australian science and medicine to conduct basic and clinical research, and provide hope to the wider community.

Our research themes are:

- Innate Immunity and Infectious Diseases
- Cancer
- Women's and Children's Health
- Endocrinology and Metabolism



Prof. Elizabeth Hartland
Director and CEO
hudson.org.au

SUB-FACULTY OF BIOMEDICAL SCIENCES

MONASH University

MONASH BIOMEDICINE DISCOVERY INSTITUTE

Behind every treatment that improves human health is a story of discovery. As one of the largest and highest-quality medical research institutes in the southern hemisphere, we're home to more than 120 research teams across key research areas focused on global health priorities:

- Cancer
- Cardiovascular Disease
- Development and Stem Cells
- Infection and Immunity
- Metabolism, Diabetes and Obesity
- Neuroscience



Prof. John Carroll
Director
monash.edu/discovery-institute

MEDICINE, NURSING AND HEALTH SCIENCES

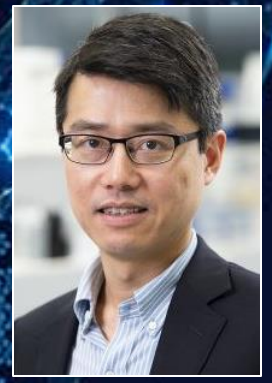
MONASH University

MONASH INSTITUTE OF MEDICAL ENGINEERING

The most significant advances in healthcare technology are increasingly the result of collaboration between Health and Medical Researchers, Engineers, Designers, and IT specialists - which is why MIME was formed.

Our outputs include

- medical devices
- diagnostic devices
- imaging technologies
- therapeutics drug delivery systems
- regenerative medicine and stem cell technologies
- digital health technologies
- surgical robotics and clinical tools





Prof. Patrick Kwan and Prof. John Forsythe
Co-Directors
monash.edu/mime

SCHOOL OF PSYCHOLOGICAL SCIENCES

MONASH University

TURNER INSTITUTE OF BRAIN AND MENTAL HEALTH

The Turner Institute for Brain and Mental Health optimises brain and mental health through community driven, world leading research, a network of clinics and innovative solutions.

Our research themes are:

- Developing well – addressing cognitive disorders and psychosis in young people
- Living well – attention and memory, sleep, exercise and addiction
- Ageing well – neurodegenerative disorders



Prof. Kim Cornish
Director
monash.edu/turner-institute

SUB-FACULTY OF CLINICAL AND MOLECULAR MEDICINE

MONASH University

VICTORIAN HEART INSTITUTE

Our purpose at the Monash Victorian Heart Institute is simple; to deliver research, education and training excellence which turns into measurable change in the rates of heart disease in Australia.

Our five grand challenges are:

- Women's Heart Health
- Under-served populations
- Personalised medicines
- New technologies
- Living well

In addition, the VHI will also create an Asia-Pacific Hub for Cardiovascular Clinical Trials and databases, registries and biobanks.



Prof. Stephen Nicholls
Director
monash.edu/vic-heart-institute

SCHOOL OF TRANSLATIONAL MEDICINE

MONASH University

AUSTRALIAN CENTRE FOR BLOOD DISEASES

The ACBD is a recognised leader in blood disease research and education. Our focus is on turning new discoveries into better patient outcomes. Our 18 research groups investigate blood cancers, thrombosis, and bleeding disorders.

The ACBD's research falls into three main areas:

- Blood Cancers and Stem Cells – generics, cell biology and immunotherapy
- Thrombosis and Haemostasis – theranostics, imaging and drug delivery
- Clinical Trial Research – haematology and stem cell transplantation



Prof. Harshal Nandurkar
Head
monash.edu/medicine/translational/blood-disease

SCHOOL OF PUBLIC HEALTH AND PREVENTIVE MEDICINE

MONASH University

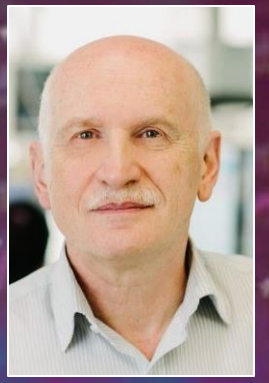
THE AUSTRALIAN AND NEW ZEALAND INTENSIVE CARE RESEARCH CENTRE

ANZIC-RC drive the development, conduct and translation of pivotal, large scale research projects in critical care, and build research capacity in the field. Our core business is the design and conduct of world-class clinical (Phase I, II and III) trials.

We hold expertise in

- Large-scale clinical trials and observational studies
- Feasibility projects
- Health economics investigations
- Qualitative research projects
- Biostatistics and research methodology





Prof. Jamie Cooper and Prof. Rinaldo Bellomo
Co-Directors

monash.edu/medicine/sphpm/anzicrc

SCHOOL OF PUBLIC HEALTH AND PREVENTIVE MEDICINE

MONASH University

CENTRE OF CARDIOVASCULAR RESEARCH AND EDUCATION IN THERAPEUTICS

We're a hub of expertise drawn from a variety of clinical and research areas, all relevant to heart health, and in particular, the use of drugs, devices and other clinical interventions to treat them. We've improved the prevention, diagnosis and treatment of chronic and acute heart conditions by undertaking complex and diverse research, including lab-based and clinical studies, registries, health services research and health economic analyses.

Our current research foci lie in three main areas:

- clinical trials
- clinical quality cardiovascular registry management
- secondary prevention of cardiovascular disease





Prof. Christopher Reid and Prof. Dion Stub
Co-Directors
monash.edu/medicine/sphpm/ccre

MONASH BIOMEDICINE DISCOVERY INSTITUTE

CENTRE FOR HUMAN ANATOMY EDUCATION

The CHAE supports and oversees human anatomy education across the University, ensuring our curriculum and teaching is of the highest global standard. We have globally-recognised research expertise across anatomy and anatomy education, including the areas of:

- Clinical anatomy
- Comparative and evolutionary anatomy
- Imaging anatomy
- Topographical anatomy
- Biomechanics
- Clinical education
- Neuroscience



A/Prof. Michelle Lazarus
Director
monash.edu/discovery-institute/chae

MEDICINE, NURSING AND HEALTH SCIENCES

MONASH University

CENTRE TO IMPACT ANTIMICROBIAL RESISTANCE

Antimicrobial resistance (AMR) is becoming more prevalent and more extreme. Our aim is to drive the transformation of the global approach to the resistance of superbugs by leading the evolution of science, policy, behaviours, environments and skills development.

Our multi-disciplinary approach focuses on:

- Understanding superbugs and their mechanisms of resistance
- Building barriers to infection through better diagnosis, sampling and protective barriers
- Slowing the evolution of AMR resistance
- Reviving and optimising use of existing antibiotics
- Exploring novel alternatives to antibiotics
- Community engagement to improve AMR awareness and policy



Prof. Anton Peleg
Director
monash.edu/impact-amr

SCHOOL OF CLINICAL SCIENCES

CENTRE FOR INFLAMMATORY DISEASES

The CID spans basic experimental biology, clinical research and clinical practice in inflammatory diseases. We use both clinical and discovery research to explore the mechanisms of inflammatory injury in important human diseases, including:

- Cardiovascular inflammation and atherosclerosis
- Autoimune and chronic kidney disease
- Cancer immunology
- Inflammatory gastrointestinal disease
- Inflammatory respiratory disease
- Infection and immunity
- Neuroinflammation
- Rheumatology
- Nanomedicines



Prof. Michel Hickey
Director
monash.edu/medicine/scs/cid

MEDICINE, NURSING AND HEALTH SCIENCES

MONASH University

GUKWONDERUK INDIGENOUS HEALTH WORKFORCE CENTRE

The Gukwonderuk Unit is committed to a human rights approach to health equity for Indigenous people, quality education in Indigenous health equity, and developing more Indigenous people to become healthcare providers, educators, researchers and leaders

Gukwonderuk's main activities are:

- Supporting current and prospective Indigenous students in health and medical sciences
- Support teaching of the Aboriginal and Torres Strait Islander Health Curriculum Framework across MNHS
- Indigenous wellbeing ways through a number of ceremonies, educational opportunities and initiatives



Prof. Karen Adams
Director
monash.edu/medicine/about/indigenous-health

MEDICINE, NURSING AND HEALTH SCIENCES

MONASH University

HEALTH, EDUCATION, RESEARCH IN WOMEN'S MENTAL HEALTH CENTRE

HER Centre Australia is dedicated to understanding and advocating for women's mental health, using the expertise of its clinicians and researchers to help develop world-first gender-tailored innovative treatments and interventions. We draw on diverse expertise from innovative neuroscience to telehealth and the use of hormonal treatments in the clinic to improve mental health:

- Young women – trauma, self-harm, anxiety/depression, addiction
- Women in the childbearing years - mental ill health related to pregnancy, childbirth, and beyond
- Mature women - menopause-related depression, anxiety, psychosis, and addictions
- Older women - cognitive impairments, depression and anxiety disorders, loss and grief disorders.



Prof. Jayashri Kulkarni
Director
monash.edu/medicine/her-centre

EASTERN HEALTH CLINICAL SCHOOL

MONASH University

MONASH ADDICTION RESEARCH CENTRE

MARC is dedicated to finding solutions that transform the way we think about and respond to addiction. We bring together world-leading expertise to address the harm done by alcohol, drugs and gambling and the related health and social problems.

MARC's research falls under three key themes:

- The science of addiction
- Social policy and culture
- Prevention and treatment

MARC's members' research helps drive public policy through translational research that builds the evidence base for coordinating understanding of addiction and treatment solutions.



Prof. Dan Lubman
Director
monash.edu/medicine/ehcs/marc

MEDICINE, NURSING AND HEALTH SCIENCES

MONASH ALFRED BAKER CENTRE FOR CARDIOVASCULAR RESEARCH

The Centre for Cardiovascular Research brings together Monash University, the Baker Heart and Diabetes Institute, and Alfred health to boos opportunities for academic-clinician partnered research and offer new pathways for emerging research talent

The Centre's focus areas include:

- Heart failure, cardiac arrest and shock
- Advanced cardiac imaging
- MedTech and AI
- Arrhythmia and cardiac pacing
- Coronary heart disease
- Structural heart disease



Prof. David Kaye
Director
monash.edu/medicine/cardiovascular-centre

SUB-FACULTY OF CLINICAL AND MOLECULAR MEDICINE

MONASH University

MONASH CENTRE FOR HEALTH RESEARCH AND IMPLEMENTATION

MCHRI is a partnership between Monash Health and Monash University. It brings national and international leadership and reach in women's health, public health and wellbeing. We enable clinicians, researchers and the community to work together, to improve public health, and provide better health and wellbeing outcomes for the community.

Our core themes of research include:

- Public health in preconception, pregnancy & postpartum
- Reproductive women's health (incl PCOS)
- Healthy lifestyle
- Cardiovascular health & diabetes
- Public health across mental health, climate & COVID-!9
- Advancing women's leadership & careers



Prof. Helena Teede
Director
monash.edu/medicine/mchri

SCHOOL OF PSYCHOLOGICAL SCIENCES

MONASH University

MONASH-EPWORTH REHABILITATION RESEARCH CENTRE

MERRC investigates the effectiveness of intervention programs for individuals with brain injuries or other injuries sustained as a result of trauma. As a key research centre within Epworth, MERRC oversees the conduct of clinical trials to enhance evidence-based practice at Epworth and ultimately Australia-wide and internationally.

MERRC has a number of research streams, including

- Moderate to Severe Traumatic Brain Injury (TBI)
- Stroke and Telehealth
- Concussion
- Precision Neurorehabilitation
- Multidisciplinary Rehabilitation
- Paediatric TBI
- Trauma Research



Prof. Jennie Ponsford
Director
monash.edu/medicine/psych/merrc

MEDICINE, NURSING AND HEALTH SCIENCES

MONASH UNIVERSITY CLINICAL TRIALS CENTRE

MUCTC are dedicated to supporting organisations to deliver ground-breaking clinical trials faster, more efficiently and more effectively than ever before. We are a trusted team of world-leading experts working collaboratively to bring science, clinical practice and the community together to design and conduct trials with real-world impact. level of independent scientific rigour.

MUCTC provides expert advice in:

- Biostatistical Services
- Clinical and Scientific Expertise
- Community-Based Clinical Trial Services
- Health Economics Services
- Ethics services
- Program and Protocol Design Services



Prof. Sophia Zoungas
Director
monash.edu/medicine/clinical-trials-centre

MEDICINE, NURSING AND HEALTH SCIENCES

MONASH University

NATIONAL CENTRE FOR HEALTHY AGEING

The NCHA is Australia's leading integrated healthcare research, development and implementation hub focused on healthy ageing. Our research addresses some of the greatest challenges facing our ageing population by collaborating with partners and the world's best researchers to optimise a person's health and improve their access to health and social care.

- Living labs: research programs to inform new policy, enhance care quality, and augment workforce capability
- Healthy ageing data platform: systems to support research, evidence-based solutions and learning
- Simulation environments: translational clinics and advanced simulation environments as 'test beds' for new models of care



Prof. Velandai Srikanth
Director

monash.edu/medicine/national-centre-for-healthy-ageing

SCHOOL OF PRIMARY AND ALLIED HEALTH CARE

MONASH University

REHABILITATION, AGEING AND INDEPENDENT LIVING RESEARCH CENTRE

RAIL is dedicated to improving how people live, with greater independence and quality of life. We are delivering collaborative, high-quality research across the globe that are transforming health, aged care, disability and support services, and achieving ‘impact for good’.

RAIL focuses on three key streams of research in order to bring the biggest benefit to the community:

- Rehabilitation – models of care; assistive technology
- Ageing – mental/physical wellbeing, falls prevention, age-friendly design
- Independent living – social participation, assistive technology, workforce



A/Prof. Natasha Brusco
Director
monash.edu/medicine/spahc/rail

SCHOOL OF CLINICAL SCIENCES

THE RITCHIE CENTRE

The Ritchie Centre is a partnershipn between Monash university and the Hudson Institute. We aim to improve the health of women and children through innovative research that informs better healthcare. We have more than 150 research staff and students, including fetal physiologists, immunologists, stem cell biologists, neonatologists, paediatricians, obstetricians, gynaecologists, and radiologists.

There are six research themes:

- Women's health
- Foetal and neonatal health: respiratory and cardiovascular
- Foetal and neonatal health: brain Injury and neurodevelopment
- Newborn health
- Infection, inflammation and immunity
- Cell therapy and regenerative medicine



Prof. Suzanne Miller
Director
hudson.org.au/research-centre/the-ritchie-centre