

HONOURS AND GRADUATE RESEARCH 2024 PROJECTS

CENTRAL CLINICAL SCHOOL



A partnership between:

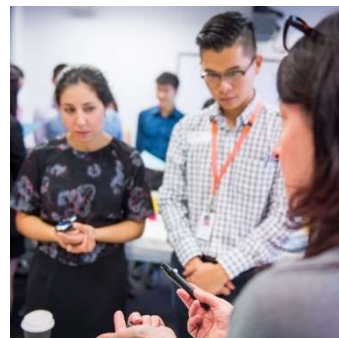
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Honours and Graduate Research study through the Central Clinical School

Monash University's Central Clinical School (CCS) undertakes translational research, developing insights from laboratory bench research for use in clinical therapies and treatments. Our departments and research affiliates have strong links with healthcare providers, ensuring that our research rapidly translates to clinical practice.

Undertaking Honours and postgraduate study with us will give you a wide range of opportunities to continue your studies and develop your career path into many areas of medical and clinical research.



Projects are listed under the following headings:

- [Australian Centre for Blood Diseases \(ACBD\)](#)
- [Baker Heart and Diabetes Institute](#)
- [Burnet Institute](#)
- [Department of Diabetes](#)
- [Department of Gastroenterology](#)
- [Department of Immunology](#)
- [Department of Infectious Diseases](#)
- [Department of Medicine \(Alfred\)](#)
- [Department of Neuroscience](#)
- [Department of Psychiatry](#)
- [Department of Respiratory Research @ Alfred](#)
- [Department of Surgery \(Alfred\)](#)
- [Melbourne Sexual Health Centre \(MSHC\)](#)

How to use this index booklet

This index booklet lists the Honours / Masters / PhD projects on offer for 2024. For further information about a particular research project, see the project description in the online database at:

supervisorconnect.med.monash.edu/research-projects

For further information regarding individual research projects, students should approach the nominated researcher associated with that project. This booklet is meant as a guide only, as project ideas will be refined between student and supervisor.

Making your application

Applications are completed centrally through Monash University. Prospective applicants should complete an application form, which can be downloaded or obtained from the Faculty Office.

<https://www.monash.edu/study/how-to-apply>

Further information links and entry requirements:

BMedSc(Hons) at CCS:

<https://www.monash.edu/medicine/ccs/education/future-students/bmedsc-honours>

Honours in Immunology & Human Pathology:

<https://www.monash.edu/medicine/ccs/education/future-students/honours>

Scholarships:

<https://www.monash.edu/study/fees-scholarships/scholarships>

Graduate research and Graduate Certificates:

<https://www.monash.edu/medicine/ccs/translational/about>

For information regarding Honours and postgraduate study at CCS

CCS General Honours Coordinators

A/Prof Margaret Hibbs, Immunology
E: margaret.hibbs@monash.edu

Dr Vilija Jokubaitis, Neuroscience
E: vilija.jokubaitis@monash.edu

A/Prof Bridgette Semple, Neuroscience
E: bridgette.semple@monash.edu

A/Prof Ross Dickins, Human Pathology
E: ross.dickins@monash.edu

CCS BMedSc(Hons) Coordinator

Prof Merlin Thomas
E: merlin.thomas@monash.edu

For general information regarding Honours and graduate research study at the Central Clinical School.

Dr Philip Button
CCS Honours Student Services
E: ccs.honours@monash.edu
T: (03) 9903 0784

Ms Sharmila Ramesh
CCS Graduate Research Student Services
E: ccs.hdr@monash.edu
T: (03) 9903 0368

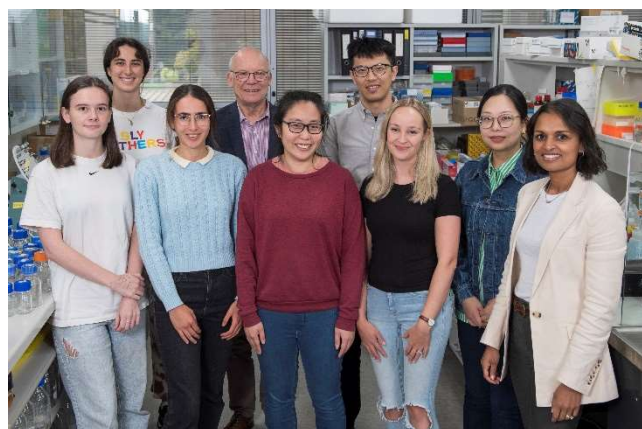
Career pathways in medical and clinical research at the Central Clinical School

The Central Clinical School accepts undergraduate applications in both the Bachelor of Medical Science (BMedSc) and General Honours streams (Bachelor of Biomedical Science and Bachelor of Science). Graduate research project applications accepted include both Doctoral (PhD) and Masters (Master of Clinical Research – Translational Medicine stream, Master in Biomedical Science, Master in Biostatistics, or Master of Biomedical and Health Sciences) applications, as well as Graduate Diploma and Graduate Certificate applications. Short projects in translational research are also available. As our medical and translational research streams are taught by experts based in Monash's rich network of educators and researchers as well as industry and clinical partnerships, this will provide excellent foundations and networks for future career pathways.



This booklet lists current projects available for a number of streams at the Central Clinical School.

Australian Centre for Blood Diseases (ACBD)



Professor Robert Medcalf (centre back row) and his group.

The Australian Centre for Blood Diseases (ACBD) has many research groups investigating blood cancers, thrombosis, and bleeding disorders.

ACBD is a national and international blood diseases centre with recognised research, treatment, and educational programs for blood diseases. ACBD is affiliated with Monash University, Alfred Health, Eastern Health and Southern Health, and is organised into three integrated divisions:

- Clinical and diagnostic haematology/oncology
- Clinical and basic research programs
- Teaching and education

The ACBD's research falls into two main areas, non-malignant haematology, and malignant haematology and stem cell transplantation.

See more:

www.monash.edu/medicine/ccs/blood-disease

16 PROJECTS AVAILABLE:

[Development of novel radiotracers for the fibrosis detection](#)

Supervisors: Dr Karen Alt, Dr Richard Amison (external)

Email: karen.alt@monash.edu

Available for: PhD

[Generating mouse models of clonal hematopoiesis to study the role of pro-inflammatory cytokines and potential of aspirin to prevent cancers](#)

Supervisors: Prof David Curtis, A/Prof Zoe McQuilten

Email: david.curtis@monash.edu

Available for: PhD, Honours, BMedSc(Hons)

[Acute myeloid leukaemia differentiation therapy response and relapse](#)

Supervisors: A/Prof Ross Dickins, Dr Ethan Oxley

Email: ross.dickins@monash.edu

Applicable for: PhD, Masters by research, Honours

[Novel immunosuppressive mechanisms of CTLA4 and CTLA4-Ig therapies](#)

Supervisors: A/Prof Ross Dickins, Dr Ethan Oxley

Email: ross.dickins@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Glucose responsive insulin nanoparticle for the treatment of diabetes](#)

Supervisors: Prof Christoph Hagemeyer and Dr Rong Xu

Available for: Masters by research, Masters by coursework, Honours, BMedSc(Hons), short projects

[Recombinant agents for efficient and safe anticoagulation and thrombolysis](#)

Supervisors: Prof Christoph Hagemeyer and Dr Be'eri Niego

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons), short projects

[Single-chain antibody-targeted nanoparticles for diagnosis of vascular diseases](#)

Supervisors: Prof Christoph Hagemeyer and Dr Be'eri Niego

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons), short projects

[Targeted exosomes for the treatment of atherosclerosis, myocardial infarction and stroke](#)

Supervisors: Prof Christoph Hagemeyer and Dr Rong Xu

Email: christoph.hagemeyer@monash.edu

[Targeted virus particles for genetic transfer of fusion proteins to inhibit atherosclerosis](#)

Supervisors: Prof Christoph Hagemeyer and A/Prof Paul Gregorevic (external)

Email: christoph.hagemeyer@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons), short projects

[To evaluate the effect of thrombolytic agents on human neurons](#)

Supervisors: Prof Robert Medcalf, Dr Ana Antonic-Baker, Dr Zikou Liu

Email: robert.medcalf@monash.edu

Available for: PhD, Honours, BMedSc(Hons), short projects

[To improve outcome of ischaemic stroke by protecting the blood-brain barrier](#)

Supervisors: Prof Robert Medcalf, Dr Zikou Liu

Email: robert.medcalf@monash.edu

Available for: PhD, Masters by coursework, Honours, BMedSc(Hons)

[Analysing new targets of JAK-STAT signalling in normal blood development and blood cancers](#)

Supervisors: Prof Andrew Perkins, Dr Jessica Salmon

Email: andrew.perkins@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons)

[Genomics and pre-clinical models of erythroleukaemia](#)

Supervisors: Prof Andrew Perkins, Dr Catherine Carmichael

Email: andrew.perkins@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons)

[Reprogramming differentiated adult cells into hematopoietic stem cells](#)

Supervisors: Prof Andrew Perkins, Dr Jessica Salmon

Email: andrew.perkins@monash.edu

Available for: PhD / Doctorate, Masters by research, Masters by coursework, Honours, BMedSc(Hons)

[To understand the role of extracellular vesicles in multiple myeloma progression](#)

Supervisors: Dr Antonia Reale, Prof Andrew Spencer

Email: antonia.reale@monash.edu

Available for: PhD / Doctorate, Masters by research, Masters by coursework, BMedSc(Hons)

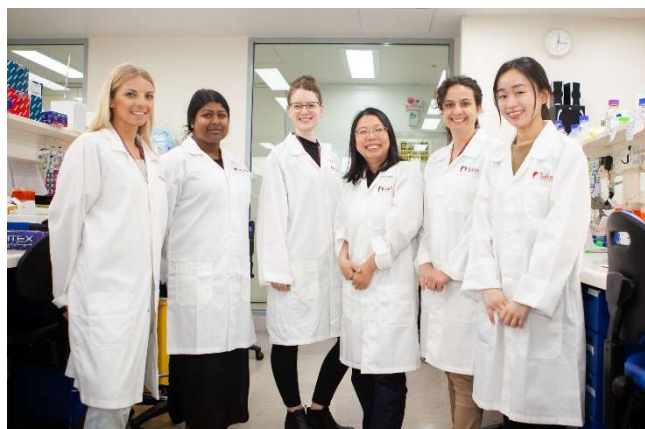
[Defining the role of KLF3 in innate immune cell memory and inflammation](#)

Supervisors: Dr Jess Salmon and Prof Andrew Perkins

Email: jessica.salmon@monash.edu

Available for: Masters by research, Honours, BMedSc(Hons)

Baker Heart and Diabetes Institute



Associate Professor Xiaowei Wang with some of her team.
Image: Baker Institute

The Baker Heart and Diabetes Institute is an independent medical research facility. The Institute's work extends from the laboratory-based research to wide-scale community studies with a focus on diagnosis, prevention, and treatment of diabetes and cardiovascular disease. The Institute's main laboratory facilities are located at the Alfred Research Alliance.

See more:

<https://www.baker.edu.au>

24 PROJECTS AVAILABLE:

[Application of Positron emission tomography / computed tomography \(PET / CT\) to assess regional cardiac function and metabolism in models of pathological and physiological hypertrophy](#)

Supervisors: Dr Yi Ching (Peggy) Chen, Prof Julie McMullen

Email: peggy.chen@monash.edu

Available for: Honours

[Atrial adaptations in physiological and pathological cardiac hypertrophy](#)

Supervisors: Dr Yi Ching (Peggy) Chen, Prof Julie McMullen

Email: peggy.chen@monash.edu

Available for: Honours

[A twin approach to unraveling the epigenetics of POTS](#)

Supervisors: Prof Sam El-Osta, Dr Hari Krishnan Kaipananickal, Dr Jun Okabe, Dr Scott Maxwell

Email: sam.el-osta@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons), joint PhD/exchange program

[Clinical epigenetics and molecular based therapies](#)

Supervisors: Prof Sam El-Osta, Dr Hari Krishnan Kaipananickal, Dr Jun Okabe, Dr Scott Maxwell

Email: sam.el-osta@monash.edu

Available for: PhD, Masters by coursework, Honours, BMedSc(Hons), joint PhD/exchange program

[International Consortium Study Investigating DNA Methylation and Risk of Diabetic Complications](#)

Supervisors: Prof Sam El-Osta, Dr Ishant Khurana, Dr Scott Maxwell, Prof Mark Cooper, Prof Peter Rossing (external), Prof Per-Henrik Groop (external), Prof Juliana Chan (external), Prof Ronald Ma (external), Prof Thep Himathongkam (external), Dr Yotsapon Thewjitcharoen (external)

Email: sam.el-osta@monash.edu

Available for: PhD, Masters by coursework, Honours, BMedSc(Hons), joint PhD/exchange program

[Pancreas regeneration for diabetes cure](#)

Supervisors: Prof Sam El-Osta, Dr Keith Al-Hasani, Dr Ishant Khurana

Email: sam.el-osta@monash.edu

Available for: PhD, Masters by research, Master by coursework, Honours, BMedSc(Hons), joint PhD/exchange program

[Role of non-coding RNAs in vascular disease](#)

Supervisors: Prof Sam El-Osta, Dr Hari Krishnan Kaipananickal, Dr Jun Okabe

Email: sam.el-osta@monash.edu

Available for: PhD, Masters by coursework, Honours, BMedSc(Hons), joint PhD/exchange program

[Set7 methyltransferase as a target to reduce the burden of diabetic complications](#)

Supervisors: Prof Sam El-Osta, Dr Jun Okabe, Dr Hari Krishnan Kaipananickal, Dr Scott Maxwell

Email: sam.el-osta@monash.edu

Available for: PhD, Masters by coursework, Honours, BMedSc(Hons), joint PhD/exchange program

[The legacy of hyperglycaemic memory](#)

Supervisors: Prof Sam El-Osta, Dr Hari Krishnan Kaipananickal, Dr Jun Okabe, Dr Scott Maxwell, Dr Ishant Khurana

Email: sam.el-osta@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons), joint PhD/exchange program

[Advancing novel treatments to improve outcomes from cardiac arrest & resuscitation](#)

Supervisors: Dr Daniel Donner, Prof David Kaye (external), A/Prof Bing Wang (external)

Email: daniel.donner@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Exploration of lipids in immune cell function and development](#)

Supervisors: Prof Andrew Murphy, Dr Graeme Lancaster, Dr Man Kit Sam Lee

Email: andrew.murphy@monash.edu

Available for: PhD, Masters by research, Honours

[Exploring how a high salt diet promotes bone destruction through immune cell activation](#)

Supervisors: Prof Andrew Murphy, Dr Man Kit Sam Lee

Email: andrew.murphy@monash.edu

Available for: PhD, Masters by research, Honours

[Developing platelet-derived nanoparticles for targeted thrombolysis](#)

Supervisors: Prof Karlheinz Peter, Dr Mitchell Moon (external), Dr James McFadyen

Email: karlheinz.peter@monash.edu

Available for: PhD, Masters by research, Honours

[Diagnosis and therapy of cancer, inflammatory and thrombotic diseases](#)

Supervisors: Prof Karlheinz Peter, A/Prof Xiaowei Wang

Email: karlheinz.peter@monash.edu

Available for: PhD, Masters by research, Honours

[Mechanotransduction in blood cells and the consequences for thrombosis and inflammation](#)

Supervisors: Prof Karlheinz Peter, Dr Sara Baratchi

Email: karlheinz.peter@monash.edu

Available for: PhD, Masters by research, Honours

[Molecular imaging and theranostics](#)

Supervisors: Prof Karlheinz Peter, A/Prof Xiaowei Wang

Email: karlheinz.peter@monash.edu

Available for: PhD, Masters by research, Honours

[Novel therapies for atherosclerotic plaque stabilisation](#)

Supervisors: Prof Karlheinz Peter, Dr Anna Watson (external)

Email: karlheinz.peter@monash.edu

Available for: PhD, Masters by research, Honours

[Using molecular ultrasound imaging to diagnose and treat thrombotic and inflammatory diseases](#)

Supervisors: Prof Karlheinz Peter, A/Prof Xiaowei Wang

Email: karlheinz.peter@monash.edu

Available for: PhD, Masters by research, Honours

[Cardiac fibroblast as target for novel therapy in heart failure with a preserved ejection fraction](#)

Supervisors: A/Prof Bing Wang, Prof David Kaye (external) and Dr Ruth Magaye (external)

Email: bing.wang@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons), joint PhD/exchange program

[Novel, targeted therapy for heart failure with a preserved ejection fraction](#)

Supervisors: A/Prof Bing Wang, Prof David Kaye (external), Dr Ruth Magaye (external)

Email: bing.wang@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Investigation of pulmonary vascular function in the setting of heart failure with preserved ejection fraction](#)

Supervisors: A/Prof Bing Wang, Prof David Kaye (external), Dr Ruth Magaye (external)

Email: bing.wang@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Anti-fibrotic and/or anti-inflammatory compound/s for the treatment of heart failure](#)

Supervisors: A/Prof Bing Wang, Prof David Kaye (external), Dr Ruth Magaye (external)

Email: bing.wang@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Circulating microRNAs as biomarkers for cardiovascular diseases](#)

Supervisors: A/Prof Bing Wang, Prof David Kaye (external), Dr Ruth Magaye (external)

Email: bing.wang@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Development of novel animal model for heart failure with a preserved ejection fraction](#)

Supervisors: A/Prof Bing Wang, Prof David Kaye (external), Dr Ruth Magaye (external)

Email: bing.wang@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

Burnet Institute



Prof Gilda Tachedjian in the lab. Image: Burnet Institute.

The Burnet Institute combines medical research in the laboratory and at a population level with public health action and advocacy to address major health issues of disadvantaged populations in Australia and communities in the developing world. Three major health themes underpin the Burnet's work: impact of infectious diseases, health and social issues of drug use, and age-specific health issues (maternal and child health, young people's health, healthy ageing).

See more:

<https://www.burnet.edu.au>

5 PROJECTS AVAILABLE:

[Eliminating hepatitis C infection in Australia through pharmacy based treatment scale up](#)

Supervisors: A/Prof Joseph Doyle, Dr Alisa Pedrana, Prof Margaret Hellard

Email: joseph.doyle@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Elimination of hepatitis C through rapid testing and treatment](#)

Supervisors: A/Prof Joseph Doyle, Prof Margaret Hellard, Dr Alisa Pedrana

Email: joseph.doyle@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Novel gene sequencing approaches to understand immune dysfunction in HIV](#)

Supervisors: Dr Anna Hearps and A/Prof Anthony Jaworowski (external)

Email: anna.hearps@monash.edu

Applicable for: Masters by research, Honours, BMedSc(Hons)

[Targeting HIV-infected macrophages to facilitate HIV cure](#)

Supervisors: Dr Anna Hearps and A/Prof Anthony Jaworowski (external)

Email: anna.hearps@monash.edu

Applicable for: PhD, Masters by research, Honours, BMedSc(Hons)

[Weaponising NK cells to treat viral infections](#)

Supervisors: Dr Anna Hearps, A/Prof Anthony Jaworowski (external), Dr Salimeh Ebrahimnezhaddarzi (external)

Email: anna.hearps@monash.edu

Applicable for: PhD, Masters by research, Honours

Department of Diabetes



The Department of Diabetes has state-of-the-art laboratory facilities.

The Department of Diabetes is the only university department in Australia solely dedicated to diabetes research and its complications. It has a broad range of translational research projects investigating both causes and clinical therapies for diabetes and its complications including kidney disease, heart disease and blindness. Some of the most important discoveries in diabetes and its complications are yet to be unravelled and converted into innovative treatments and clinical outcomes.

See more:

www.monash.edu/medicine/ccs/diabetes

7 PROJECTS AVAILABLE:

[Do Lipoxins protect human carotid artery from TNF \$\alpha\$ mediated inflammatory signalling?](#)

Supervisors: Dr Phillip Kantharidis, Dr Muthu Mohan

Email: phillip.kantharidis@monash.edu

Available for: PhD, Honours, BMedSc(Hons)

[The mechanism of action of Lipoxin A4 on macrophages to protect against diabetic kidney disease](#)

Supervisors: Dr Phillip Kantharidis, Dr Madhura Bose

Email: phillip.kantharidis@monash.edu

Available for: PhD, Honours, BMedSc(Hons)

[Transcriptomic analysis of glomerular endothelial cell subsets treated with pro-resolving mediators to protect against diabetic kidney disease](#)

Supervisors: Dr Phillip Kantharidis, Dr Madhura Bose

Email: phillip.kantharidis@monash.edu

Available for: PhD, Honours, BMedSc(Hons)

[Transcriptomic analysis of vascular cells in atherosclerotic plaque treated with Lipoxin A4 in mice of a high fat diet](#)

Supervisors: Dr Phillip Kantharidis, Dr Muthu Mohan

Email: phillip.kantharidis@monash.edu

Available for: PhD, Honours, BMedSc(Hons)

[Role of the AP-1 transcription factor in EndMT in diabetes associated atherosclerosis](#)

Supervisors: Dr Waheed Khan, Prof Karin Jandeleit-Dahm

Email: waheed.hhan@monash.edu

Available: PhD, Masters by research, Honours, BMedSc(Hons)

[Augmenting the activity of glyoxalase 1 to slow biological ageing](#)

Supervisors: Dr Carlos Rosado and Prof Merlin Thomas

Email: carlos.rosado@monash.edu

Available for: PhD, Masters by coursework, Honours

[Dissecting the role of calprotectin \(S100 A8/A9\) in the role of inflammation](#)

Supervisors: Dr Carlos Rosado and Prof Merlin Thomas

Email: carlos.rosado@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours

Department of Gastroenterology



The diversity of research active programs within the Department of Gastroenterology.

We have one of the most comprehensive Departments of Gastroenterology in Australia. We have active research projects into all human gastrointestinal and liver-related health issues and diseases, and have multidisciplinary teams that straddle all aspects of disease prevention, management and cure. This includes the Monash FODMAP group which has pioneered and revolutionised dietary therapy via the FODMAP diet for patients globally, inflammatory bowel disease experts running international clinical trials, hepatologists that are actively researching fatty liver disease and other liver diseases, and gastrointestinal cancer expertise investigating genetic causes of disease and prevention strategies for the most common solid tumours in our society.

There are active research programs that include technical expertise in molecular biology, genomics, animal models of disease and organoids, cancer biology, early detection of cancer and prevention, development of novel pathogenically-driven diet strategies for gut health, functional and inflammatory bowel disease, specialised dietetic expertise in accurate food composition assessment and manipulation, clinical treatments of inflammatory bowel disease, use of artificial intelligence in medicine, and other translational projects.

See more:

www.monash.edu/medicine/ccs/gastroenterology

8 PROJECTS AVAILABLE:

Developing improved therapeutic strategies targeting GC

Supervisors: Prof Alex Boussioutas and Dr Rita Busuttill

Email: alex.boussioutas@monash.edu

Applicable for: PhD, Masters by research, Honours, BMedSc(Hons)

Investigating the innate and adaptive immune response in gastric cancer

Supervisors: Prof Alex Boussioutas and Dr Rita Busuttill

Email: alex.boussioutas@monash.edu

Applicable for: PhD, Masters by research, Masters by coursework, Honours

Role of the tumour microenvironment in gastric cancer

Supervisor: Prof Alex Boussioutas and Dr Rita Busuttill

Email: alex.boussioutas@monash.edu

Applicable for: PhD, Masters by research, Masters by coursework, Hons

Functional characterisation of candidate genes involved in the progression of gastric cancer

Supervisor(s): Prof Alex Boussioutas and Dr Rita Busuttill

Email: alex.boussioutas@monash.edu

Applicable for: PhD, Masters by research, Hons, BMedSc(Hons)

Assessment of ultra-processed food consumption and diet quality indices in patients with inflammatory bowel disease

Supervisors: Dr Chu (CK) Yao, A/Prof Jane Muir, Prof Peter Gibson

Email: chu.yao@monash.edu

Available for: Masters by research, Honours

Protein fermentation: A dietary trial exploring the effects of egg intake on malodorous gas and protein fermentation metabolites in the gut

Supervisors: Dr Chu (CK) Yao, Dr Jessica Biesiekierski

Email: chu.yao@monash.edu

Available for: Masters by research, Honours, BMedSc(Hons), short projects

Safety of a ketogenic diet for treatment of drug-resistant epilepsy

Supervisors: Dr Chu (CK) Yao, Dr Neha Kaul.

Email: chu.yao@monash.edu

Available for: Honours, BMedSc(Hons)

Ultra-processed proteins: contribution to dietary intake in patients with ulcerative colitis

Supervisors: Dr Chu (CK) Yao, Dr Catherine Wall

Email: chu.yao@monash.edu

Available: PhD, Masters by research, Honours, BMedSc(Hons), Short projects, joint PhD/exchange program

Department of Immunology



Dr Malcolm Starkey's group in 2020.

The Monash University Department of Immunology is internationally renowned for its combined expertise in research, teaching and service delivery in immunology and immunopathology.

There are extensive research programs in basic and translational immunology, including highly successful collaborations with the Alfred hospital and other ARA partners. The department's research activities target diseases including allergy, asthma, autoimmunity, inflammation, immunodeficiency, lupus, organ fibrosis, cancer and helminth infection. The department also focuses on investigating novel treatments, such as the regulation of the microbiota in disease.

See more:

www.monash.edu/medicine/ccs/immunology

22 PROJECTS AVAILABLE:

[Uncovering the functional and genomic defects driving predominantly antibody deficiency](#)

Supervisors: Dr Emily Edwards, Dr Anouk von Borstel
Email: emily.edwards@monash.edu

Available for: Masters by research, Honours, BMedSc(Hons)

[Immune-epithelial cell crosstalk in chronic lung disease \(fibrosis\)](#)

Supervisors: Prof Nicola Harris, Dr Rossana Azzoni, Prof Benjamin Marsland.

Email: nicola.harris@monash.edu

Available for: Honours, BMedSc(Hons)

[Investigating the neuro-immune interactions in the enteric nervous system during homeostasis and inflammation](#)

Supervisors: Prof Nicola Harris, Dr Aidil Zaini, Prof Benjamin Marsland, Mr Haozhe Wang

Email: nicola.harris@monash.edu

Available for: Honours, BMedSc(Hons), Graduate Diploma

[Interactions between eosinophils and alveolar macrophages in lung disease](#)

Supervisors: A/Prof Margaret Hibbs, Dr April Raftery

Email: margaret.hibbs@monash.edu

Available for: PhD, Masters by research, Honours

[Investigating the role of eosinophils in the gut](#)

Supervisors: A/Prof Margaret Hibbs, Dr April Raftery, Prof Nicola Harris

Email: margaret.hibbs@monash.edu

Available for: PhD, Masters by research, Honours

[The lymphatic vasculature in bronchopulmonary dysplasia](#)

Supervisors: A/Prof Margaret Hibbs, Dr Evelyn Tsantikos

Email: margaret.hibbs@monash.edu

Available for: PhD, Masters by research, Honours

[Type 2 immunity in bronchopulmonary dysplasia](#)

Supervisors: A/Prof Margaret Hibbs, Dr Evelyn Tsantikos, Dr Malcolm Starkey

Email: margaret.hibbs@monash.edu

Available for: PhD, Masters by research, Masters by coursework

[Discovering targets of long-lived humoral immunity for Strep A vaccine design](#)

Supervisors: Dr Danika Hill, Prof David Tarlinton.

Email: danika.hill@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours

[Fine-tuning type 2 inflammation through metabolites and the microbiome as a combined approach to alleviate the burden of asthma and helminth infection](#)

Supervisors: Dr Olaf Perdijk, Prof Benjamin Marsland, Prof Nicola Harris

Email: olaf.perdijk@monash.edu

Available for: PhD, Honours

[Using CRISPR gene modification to identify key regulatory genes in the early and late stages of B cell activation](#)

Supervisors: Dr Isaak Quast, Dr Craig McKenzie, Prof David Tarlinton

Email: isaak.quast@monash.edu

Available for: PhD, Masters by research, Honours

[Determining the lifespan of allergy-causing IgE plasma cells](#)

Supervisors: Dr Marcus Robinson, Prof David Tarlinton

Email: marcus.robinson@monash.edu

Available for: PhD

[How the immune system creates and avoids harmful antibody responses](#)

Supervisors: Dr Marcus Robinson, Prof David Tarlinton

Email: marcus.robinson@monash.edu

Available for: PhD, Masters by research

[Programming stochastic cytokine expression in T cells.](#)

Supervisors: Dr Marcus Robinson, Prof David Tarlinton

Email: marcus.robinson@monash.edu

Available for: Masters by coursework, Honours, BMedSc(Hons)

[Understanding B cell fate trajectories in the earliest stage of activation](#)

Supervisors: Dr Marcus Robinson and Prof David Tarlinton

Email: marcus.robinson@monash.edu

Available for: Honours

[Impact of traumatic brain injury on bladder immunity](#)

Supervisors: Dr Malcolm Starkey, A/Prof Bridgette Semple, Prof Richelle Mychasiuk

Email: malcolm.starkey@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons), joint PhD/exchange program

[Immunotherapies for urinary tract infection](#)

Supervisors: Dr Malcolm Starkey, A/Prof Aniruddh Deshpande (external)

Email: malcolm.starkey@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons), joint PhD/exchange program

[Novel treatments for the rare kidney stone disease cystinuria](#)

Supervisors: Dr Malcolm Starkey, A/Prof Aniruddh Deshpande (external)

Email: malcolm.starkey@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons), joint PhD/exchange program

[Predicting the risk of infection post renal transplantation for individualised treatment \(PREDICT-IT\)](#)

Supervisors: Dr Malcolm Starkey, Prof Paul Lawton.

Email: malcolm.starkey@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons), joint PhD/exchange program

[Targeting type 2 immunity in the battle against chronic urinary tract infection](#)

Supervisors: Dr Malcolm Starkey, A/Prof Aniruddh Deshpande (external).

Email: malcolm.starkey@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Understanding how group 2 innate lymphoid cells in early life regulate postnatal lung development and susceptibility to chronic respiratory diseases](#)

Supervisors: Dr Malcolm Starkey, Dr Julia Boehme

Email: malcolm.starkey@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons)

[Unravelling the Immunobiology and transcriptional pathways of allergen-specific B cells in allergen immunotherapy](#)

Supervisors: Dr Anouk von Rorstel, Dr Emily Edwards

Email: anouk.vonborstel@monash.edu

Available for: Masters by research, Honours, BMedSc(Hons)

[Exploring the impact of dietary interventions on the gut-brain axis and neuro-immune interactions](#)

Supervisors: Dr Aidil Zaini, Prof Nicola Harris, Prof Richelle Mychasiuk, Dr Emma Halmos, Dr Rossana Azzoni, Prof Benjamin Marsland

Email: aidil.zaini@monash.edu

Available for: PhD, Honours

Department of Infectious Diseases



The department has a major focus on combating antimicrobial resistance.

The Department of Infectious Diseases, Central Clinical School and Alfred Health, incorporates a large clinical service with active research programs in the fields of HIV, viral hepatitis, infections in the immunosuppressed (such as those with malignancy, in intensive care, and post-splenectomy), influenza, drug resistant organisms, antibiotic use and infection prevention and hospital epidemiology. The Department of Infectious Diseases integrates clinical services with clinical and basic science research, with laboratories based within the Burnet Institute building.

See more:

www.monash.edu/medicine/ccs/infectious-diseases

14 PROJECTS AVAILABLE:

[Developing and implementing ambulatory models of care for people who use drugs](#)

Supervisors: A/Prof Joseph Doyle, Dr Andrew Stewardson

Email: joseph.doyle@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Individualising immunosuppression to prevent infection in transplant recipients](#)

Supervisors: Dr Brad Gardiner, Prof Anton Peleg, Prof Glen Westall

Email: bradley.gardiner@monash.edu

Available for: Honours, BMedSc(Hons)

[Predicting and preventing cytomegalovirus infection in transplant recipients](#)

Supervisors: Dr Brad Gardiner, Prof Anton Peleg, Prof Glen Westall.

Email: bradley.gardiner@monash.edu

Available for: Honours, BMedSc(Hons)

[Advancing detection of complex antimicrobial resistance mechanisms in bacterial pathogens](#)

Supervisors: Dr Jane Hawkey, Dr Nenad Macesic

Email: jane.hawkey@monash.edu

Available for: Masters by research, Masters by coursework, Honours, BMedSc(Hons), short projects

[Exploring antimicrobial resistance plasmid diversity at a single hospital network in a 7-year period](#)

Supervisors: Dr Margaret Lam, Dr Kelly Wyres.

Email: margaret.lam@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons), short projects

[Investigating plasmid dynamics and evolution in bacterial pathogen *Klebsiella pneumoniae*](#)

Supervisors: Dr Margaret Lam, Dr Kelly Wyres.

Email: margaret.lam@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons), short projects

[Building a genomics framework for *Serratia marcescens* - an emerging hospital superbug](#)

Supervisors: Dr Nenad Macesic, Dr Jane Hawkey, Prof Anton Peleg

Email: nenad.macesic1@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Combating antimicrobial resistance through use of genomics and artificial intelligence](#)

Supervisors: Dr Nenad Macesic, Prof Anton Peleg, A/Prof David Dowe

Email: nenad.macesic1@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons), short projects

[Conquering COVID-19 with novel sequencing technologies in clinical settings](#)

Supervisors: Dr Nenad Macesic, Prof Anton Peleg, Dr Jane Hawkey

Email: nenad.macesic1@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Stopping superbug outbreaks using novel genomic technologies](#)

Supervisors: Dr Nenad Macesic, Prof Anton Peleg, Dr Jane Hawkey

Email: nenad.macesic1@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons), short projects

[Tackling carbapenem resistance in the Australian setting: using genomics to understand the spread of deadly superbugs](#)

Supervisors: Dr Nenad Macesic, Prof Anton Peleg, Dr Margaret Lam

Email: nenad.macesic1@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons), short projects

Is injecting drug use a risk factor for drug-resistance
bloodstream infections? A nested case-control study

Supervisors: Dr Andrew Stewardson, Dr Adam Jenney

Email: andrew.stewardson@monash.edu

Available for Honours, BMedSc(Hons)

Comparative genomics analysis of *Klebsiella oxytoca*:
an emerging cause of multi-drug resistant hospital
infections

Supervisors: Dr Kelly Wyres, Dr Jane Hawkey

Email: kelly.wyres@monash.edu

Available for: PhD, Masters by research, Honours,
BMedSc(Hons)

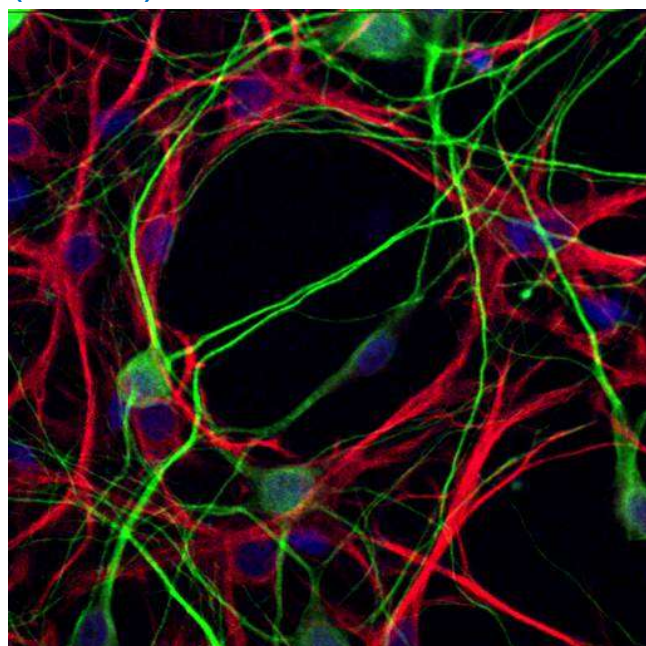
Metabolic modelling and nutrient utilisation of
Klebsiella interspecies hybrids

Supervisors: Dr Kelly Wyres, Dr Ben Vezina

Email: kelly.wyres@monash.edu

Available for: Masters by coursework, Honours

Department of Medicine (Alfred)



Astrocytes by Dr Be'eri Niego.

The research expertise of the Department of Medicine spans six laboratories, working on health issues crucial to today's society including skin cancer, multiple sclerosis, dermatology, developmental biology, endocrinology, neuroscience and oncology. Many programs are closely integrated with clinical services at Alfred Health, which allows findings to be rapidly translated to therapeutics and health care.

See more:

<https://www.monash.edu/medicine/ccs/medicine-alfred>

9 PROJECTS AVAILABLE:

[Defining biomarkers and mechanisms of cancer immunotherapy toxicity](#)

Supervisors: Dr Miles Andrews, Dr Gamze Kuser-Abali
Email: miles.andrews@monash.edu
Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Liquid biomarkers for cancer immunotherapy.](#)

Supervisors: Dr Miles Andrews, Prof Mark Shackleton
Email: miles.andrews@monash.edu
Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Mechanisms of microbial immunomodulation in cancer immunotherapy.](#)

Supervisors: Dr Miles Andrews, Prof Mark Shackleton
Email: miles.andrews@monash.edu
Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Modulation of androgen signalling to improve anti-cancer response](#)

Supervisors: Dr Miles Andrews, Prof Mark Shackleton
Email: miles.andrews@monash.edu
Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Nuclear function of IMPDH2 in melanocyte differentiation](#)

Supervisors: Dr Gamze Kuser-Abali, Prof Mark Shackleton
Email: gamze.kuserabali@monash.edu
Available for: PhD, Masters by research, Honours, BMedSc(Hons), Graduate Diploma, Graduate Certificate, short projects, joint PhD/exchange program

[Understanding protein interactions to develop new cancer treatments](#)

Supervisors: Dr Gamze Kuser-Abali, A/Prof Chen Davidovich, Prof Mark Shackleton
Email: gamze.kuserabali@monash.edu
Available for: PhD, Masters by research, Honours, BMedSc(Hons), Graduate Diploma, Graduate Certificate, short projects, joint PhD/exchange program

[Antigen-antibody discovery in infectious and malignant disease](#)

Supervisor: A/Prof Vivek Naranbhai
Email: vivek.naranbhai@monash.edu
Available for: PhD, Masters by research, Honours, BMedSc(Hons)

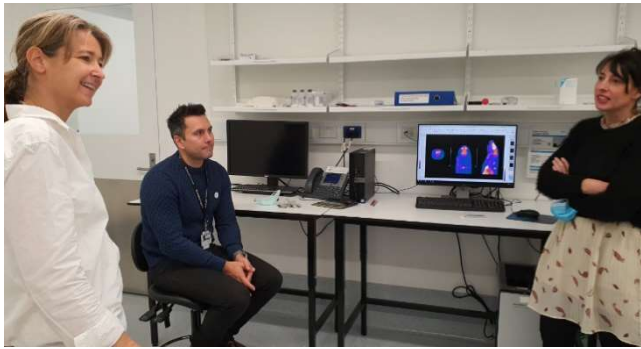
[Leveraging the immunoproteasome to enhance immunotherapy in non-small cell lung cancer](#)

Supervisor: A/Prof Vivek Naranbhai
Email: vivek.naranbhai@monash.edu
Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons)

[Elucidating melanocyte sub-populations in the development of melanoma and vitiligo](#)

Supervisors: Dr Fumihito Noguchi, Prof Mark Shackleton
Email: fumihito.noguchi@monash.edu
Available for: PhD, Masters by research, Masters by coursework, Honours

Department of Neuroscience



Dr Karen Alt (Australian Centre for Blood Diseases), Dr Robert Brkljaca (Monash Biomedical Imaging) and Dr Bianca Jupp (Department of Neuroscience), who are all involved in the design of experiments involving pre-clinical imaging.

The Department of Neuroscience has over 200 researchers and graduate students working across a wide spectrum of neurological disorders. The specialist areas of the department are: investigation of neurological, neuroscience, neurobehavioural, pharmacological and imaging based projects with respect to cognition and various brain disorders including epilepsy, neuroinflammation, neurodegenerative diseases, brain tumours, stroke and traumatic brain injury.

See more:

www.monash.edu/medicine/ccs/neuroscience

77 PROJECTS AVAILABLE:

[PET imaging of neuroinflammation as biomarker of post-traumatic epilepsy](#)

Supervisors: Dr Idrish Ali, Prof Terence O'Brien, Dr Lucy Vivash, A/Prof Nigel Jones
Email: idrish.ali@monash.edu
Available for: PhD, Masters by coursework, Honours, BMedSc(Hons)

[Role of microglia in development of epilepsy and behavioural comorbidities after a traumatic brain injury](#)

Supervisors: Dr Idrish Ali, A/Prof Nigel Jones, A/Prof Bridgette Semple
Email: idrish.ali@monash.edu
Available for: PhD, Masters by coursework, Honours, BMedSc(Hons)

[Are spike-wave discharges biomarkers of the development of epilepsy after traumatic brain injury?](#)

Supervisors: Dr Pablo Casillas-Espinosa, Prof Terence O'Brien
Email: pablo.casillas-espinosa@monash.edu
Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons)

[Biomarkers of epileptogenesis and epilepsy disease progression](#)

Supervisors: Dr Pablo Casillas-Espinosa, Prof Terence O'Brien
Email: pablo.casillas-espinosa@monash.edu
Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons)

[Evaluating novel therapies to prevent post-stroke epilepsy and associated neurological impairments.](#)

Supervisors: Dr Pablo Casillas-Espinosa, Dr Charlotte Ermine (external)
Email: pablo.casillas-espinosa@monash.edu
Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons)

[Drug repurposing in neurological disorders](#)

Supervisors: Dr Pablo Casillas-Espinosa, Dr Ralph Schittenhelm, Dr Alison Anderson, Dr Ben Rollo
Email: pablo.casillas-espinosa@monash.edu
Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons)

[Finding cures for epilepsy using stem cells and pre-clinical models](#)

Supervisors: Dr Pablo Casillas-Espinosa, Prof Terence O'Brien, Prof Patrick Kwan, Dr Ben Rollo
Email: pablo.casillas-espinosa@monash.edu
Available for: PhD

[Genetic and molecular determinants of temporal lobe epilepsy - a translational investigation](#)

Supervisors: Dr Pablo Casillas-Espinosa, Prof Terence O'Brien, A/Prof Bridgette Semple.
Email: pablo.casillas-espinosa@monash.edu
Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons)

[High-frequency oscillations as biomarkers of ictogenesis and epileptogenesis](#)

Supervisors: Dr Pablo Casillas-Espinosa and Dr Matt Hudson
Email: pablo.casillas-espinosa@monash.edu
Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons)

[Investigating the role of a Cav3.2 calcium channel mutation in contributing to the epileptic phenotype using congenic rat strains](#)

Supervisors: Dr Pablo Casillas-Espinosa, Prof Terence O'Brien
Email: pablo.casillas-espinosa@monash.edu
Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons), short projects

[Neuropharmacological strategies for disease modification and prevention of the development of epilepsy](#)

Supervisors: Dr Pablo Casillas-Espinosa, Prof Terence O'Brien
Email: pablo.casillas-espinosa@monash.edu
Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons)

[Rehabilitation following stroke in younger adults: An evaluation of health service use experiences](#)

Supervisors: Dr Melita Giummarra, Prof Natasha Lannin

Email: melita.giummarra@monash.edu

Available for: Honours, Graduate Diploma

[Brain networks in neurodegenerative diseases](#)

Supervisors: Dr Ian Harding, A/Prof Adeel Razi

Email: ian.harding@monash.edu

Available for: PhD

[Neuroimaging of neurodegeneration in genetic diseases](#)

Supervisors: Dr Ian Harding, A/Prof David Szmulewicz

Email: ian.harding@monash.edu

Available for: PhD

[Tracking cognition, speech, affect and motor function in neurological diseases](#)

Supervisors: Dr Ian Harding, Dr David Szmulewicz (Neurologist), Dr Louisa Selvadurai (Psychologist)

Email: ian.harding@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[What causes ongoing brain damage after head injury?](#)

Supervisors: Dr Ian Harding, Dr Bianca Jupp, Dr Pablo Casillas-Espinosa

Email: ian.harding@monash.edu

Available for: PhD, Masters by research, Honours

[Impact of pregnancy on long-term outcomes in women with multiple sclerosis: Assessment of mechanism](#)

Supervisors: Dr Vilija Jokubaitis, Prof Helmut Butzkueven, A/Prof Anneke van der Walt

Email: vilija.jokubaitis@monash.edu

Available for: PhD, Honours, joint PhD/exchange program

[Do seizures and epilepsy increase vulnerability to develop alcohol use disorder?](#)

Supervisors: Dr Bianca Jupp, Dr Pablo Casillas-Espinosa

Email: bianca.jupp@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Investigating the contribution of astrocyte function to impulsive behaviour](#)

Supervisors: Dr Bianca Jupp, A/Prof Nigel Jones

Email: bianca.jupp@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Investigating the influence of striatal and midbrain dopamine D2 receptors on impulsivity and function of the prefrontal cortex](#)

Supervisors: Dr Bianca Jupp, A/Prof Nigel Jones

Email: bianca.jupp@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons)

[Investigating the role of individual differences in sleep in risk for alcohol use disorder](#)

Supervisors: Dr Bianca Jupp, Dr Pablo Casillas-Espinosa

Email: bianca.jupp@monash.edu

Available for: PhD, Masters by coursework, Honours BMedSc(Hons)

[Investigating the role of neuroinflammation in impulsivity](#)

Supervisors: Dr Bianca Jupp, A/Prof Nigel Jones

Email: bianca.jupp@monash.edu

Available for: Masters by research, Masters by coursework, Honours, BMedSc(Hons)



Dr Mastura Monif in the Neuroimmunology clinic assessing the eyes of a patient.

[Exercise preferences of stroke survivors](#)

Supervisors: Dr Sharon Kramer, Prof Natasha Lannin

Email: sharon.kramer@monash.edu

Available for: Honours, BMedSc(Hons)

[Clinical utility and cost-effectiveness of genomic sequencing for epilepsy](#)

Supervisors: Prof Patrick Kwan, Dr Alison Anderson

Email: patrick.kwan@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Curating structural variants in epilepsy](#)

Supervisors: Prof Patrick Kwan, Dr Alison Anderson

Email: patrick.kwan@monash.edu

Available for: PhD, Masters by research, Honours

[Developing a new class of medications for epilepsy](#)

Supervisors: Prof Patrick Kwan, Dr Ben Rollo

Email: patrick.kwan@monash.edu

Available for: PhD, Masters by research, Honours

[Development of a low cost, point-of-care diagnostic platform](#)

Supervisors: Prof Patrick Kwan, Dr Jianxiong Chan

Email: patrick.kwan@monash.edu

Available: PhD, Masters by research, Honours. BMedSc(Hons)

[Imaging of neurodegenerative diseases](#)

Supervisors: Prof Patrick Kwan, Prof Terence O'Brien
Email: patrick.kwan@monash.edu
Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons), joint PhD/exchange program

[Long-term prognosis of antiepileptic drug therapy in people with newly diagnosed and treated epilepsy](#)

Supervisors: Prof Patrick Kwan, Dr Zhibin Chen, Dr Zongyuan Ge
Email: patrick.kwan@monash.edu
Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Machine learning models for personalised epilepsy management](#)

Supervisors: Prof Patrick Kwan, Dr Zhibin Chen, Dr Emma Foster
Email: patrick.kwan@monash.edu
Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Management and prognosis of first seizure and newly diagnosed epilepsy](#)

Supervisors: Prof Patrick Kwan, Dr Zhibin Chen.
Email: patrick.kwan@monash.edu
Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Management of seizures and epilepsy in residential aged care facilities in Australia](#)

Supervisors: Prof Patrick Kwan, Dr Loretta Piccenna, Dr Katrina Long, Prof Velandai Srikanth
Email: patrick.kwan@monash.edu
Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Predictors and mechanisms of cutaneous adverse drug reactions: a multi-omic approach](#)

Supervisors: Prof Patrick Kwan, Dr Alison Anderson.
Email: patrick.kwan@monash.edu
Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Treatment gap in people with newly diagnosed epilepsy in Australia](#)

Supervisors: Prof Patrick Kwan, Dr Zhibin Chen.
Email: patrick.kwan@monash.edu
Available for: Masters by research, Honours, BMedSc(Hons)

[Voices of neurons](#)

Supervisors: Prof Patrick Kwan, Dr Ben Rollo, Dr Matthew Walsh (external), Dr Stuart Favilla (external), Dr Leona Holloway
Email: patrick.kwan@monash.edu
Available for: PhD, Masters by research, Honours

[Wearable devices for non-invasive, ambulatory seizure monitoring and prediction](#)

Supervisors: Prof Patrick Kwan, Dr Shobi Sivathamboo
Email: patrick.kwan@monash.edu
Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Concussion assessment and management in women's community Australian football: A trainer and player perspective](#)

Supervisors: Prof Natasha Lannin, Dr Brendan Major, Dr Brooke Patterson (external)
Email: natasha.lannin@monash.edu
Available for: Honours, BMedSc(Hons)

[Exploring preferences for rehabilitation after stroke](#)

Supervisors: Prof Natasha Lannin, Dr Sharon Kramer.
Email: natasha.lannin@monash.edu
Available for: Honours, BMedSc(Hons)

[Sleep and pain complaints in adults surviving acquired brain injury](#)

Supervisors: Prof Natasha Lannin, Prof Richelle Mychasiuk, Dr Sandra Reeder
Email: natasha.lannin@monash.edu
Available for: Masters by research, Honours, BMedSc(Hons)

[Understanding the mechanisms of mild traumatic brain injuries in community women's football](#)

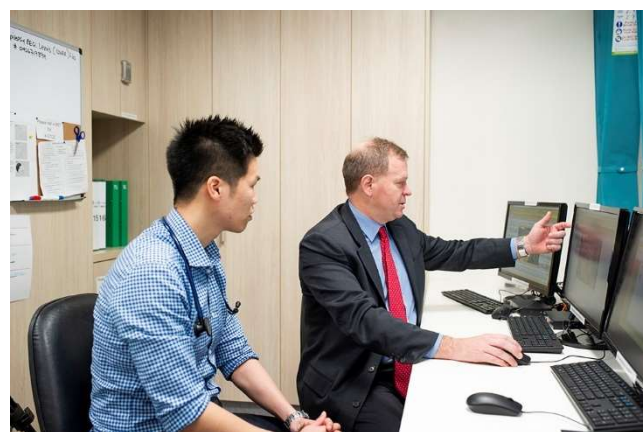
Supervisors: Prof Natasha Lannin, Dr Brendan Major, Dr Brooke Patterson (external)
Email: natasha.lannin@monash.edu
Available for: Honours, BMedSc(Hons)

[Cracking one of the brain codes: Mathematical-computational model of the multiscale brain network dynamics in patients with epilepsy](#)

Supervisors: Dr Steve Mehrkanoon, Dr Andrew Neal.
Email: steve.mehrkanoon@monash.edu
Available for: PhD, Masters by research, Honours

[Modelling complex spatiotemporal dynamics of multiscale networked biological systems: Computational spike propagation](#)

Supervisors: Dr Steve Mehrkanoon, Dr Andrew Neal.
Email: steve.mehrkanoon@monash.edu
Available for: PhD, Masters by research, Honours



Professor Terence O'Brien on Neurology ward with a student explaining how they measure seizures in patients.

[Localising the epileptogenic-zone in the brain: A dynamic network connectivity approach](#)

Supervisors: Dr Steve Mehrkanoon, Dr Andrew Neal, Prof Patrick Kwan, Prof Terry O'Brien
Email: steve.mehrkanoon@monash.edu
Available for: PhD, Masters by research, Honours

[Activated microglia in human brain tumours: A translational study](#)

Supervisors: Dr Mastura Monif, Prof Terry O'Brien, A/Prof Martin Hunn

Email: mastura.monif@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons)

[Autoimmune encephalitis neuropsychological parameters affecting patient outcome and overall quality of life](#)

Supervisors: Dr Mastura Monif, Dr Charles Malpas, A/Prof Rubina Alpitis, Prof Terry O'Brien

Email: mastura.monif@monash.edu

Available for: PhD, Masters by research

[Monocytes in multiple sclerosis](#)

Supervisors: Dr Mastura Monif, Prof Helmut Butzkueven

Email: mastura.monif@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons)

[Oculomotor function in autoimmune encephalitis](#)

Supervisors: Dr Mastura Monif, A/Prof Joanne Fielding, Dr Meaghan Clough, Prof Owen White

Email: mastura.monif@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons)



Katrina (Liyen) Kan, Dr Mastura Monif (group leader), and Matthew Drill in the Neurosciences Tissue Culture Laboratories where they are in preparation for undertaking the culture of cells from patients with glioblastomas.

[Investigating the role of the circadian system in traumatic brain injury](#)

Supervisors: Prof Richelle Mychasiuk, Dr Glenn Yamakawa

Email: richelle.mychasiuk@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours

[Investigating the transition from acute to chronic pain](#)

Supervisors: Prof Richelle Mychasiuk, Dr Sabrina Salberg

Email: richelle.mychasiuk@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons)

[The effects of orexin modulation on sleep, glymphatic function and recovery from repetitive mild traumatic brain injury \(TBI\)](#)

Supervisors: Prof Richelle Mychasiuk, A/Prof Sandy Shultz

Email: richelle.mychasiuk@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons)

[A pharmacogenomics study of the teratogenicity valproate based on the prospective Australian register for anti-epileptic drugs in pregnancy](#)

Supervisors: Prof Terence O'Brien, Prof Frank Vajda (external), Dr Alison Anderson, Dr Charles Malpas, Dr Piero Perucca

E-mail: terence.obrien@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons), Graduate Diploma, short projects

[Identifying predictors of death in patients with epileptic and psychogenic seizures](#)

Supervisors: Prof Terence O'Brien, Prof Patrick Kwan, Dr Shobi Sivathamboo, Dr Charles Malpas

E-mail: terence.obrien@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons), Graduate Diploma, short projects

[Sodium selenate as a disease modifying treatment for probable behavioural variant front-temporal dementia and progressive supranuclear palsy](#)

Supervisors: Prof Terence O'Brien, Dr Lucy Vивиash, Dr Charles Malpas, Prof Dennis Velakoulis (external).

E-mail: terence.obrien@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons), Graduate Diploma, short projects

[Whole genomic sequencing analysis of genetic and acquired rat strains](#)

Supervisors: Prof Terence O'Brien, Dr Pablo Casillas-Espinosa, A/Prof Bridgette Semple

E-mail: terence.obrien@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons), Graduate Diploma, short projects

[Epilepsy in a dish: Finding cures for epilepsy using stem cell-based disease models](#)

Supervisors: Dr Ben Rollo, Prof Terence O'Brien, Prof Patrick Kwan, Dr Shahid Javaid, Dr Jinchao Gu

Email: ben.rollo@monash.edu

Available for: Masters by research, Masters by coursework, Honours, BMedSc(Hons)

[Characterisation of a new mouse model of infant abusive traumatic brain injury](#)

Supervisors: A/Prof Bridgette Semple, Prof Richelle Mychasiuk

Email: bridgette.semple@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Infections and epilepsy after traumatic brain injury](#)

Supervisors: A/Prof Bridgette Semple, Dr Sarah Rewell

Email: bridgette.semple@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Sleep disorders after traumatic brain injury - translational research approaches](#)

Supervisors: A/Prof Bridgette Semple, Prof Richelle Mychasiuk, Prof Natasha Lannin

Email: bridgette.semple@monash.edu

Available for: PhD, Masters by coursework, Honours, BMedSc(Hons)

[Beyond body dysmorphic disorder: Mental health screening of patients seeking aesthetic procedures](#)

Supervisors: A/Prof Gemma Sharp, Ms Nileshni Fernando

Email: gemma.sharp@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Combatting weight stigma in healthcare](#)

Supervisors: A/Prof Gemma Sharp, Dr Maria Bilal (external)

Email: gemma.sharp@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Genital body image across the gender spectrum](#)

Supervisors: A/Prof Gemma Sharp, Ms Nileshni Fernando

Email: gemma.sharp@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Novel supports for severe and enduring eating disorders](#)

Supervisors: A/Prof Gemma Sharp, Dr Jenny Babb (external)

Email: gemma.sharp@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Smartphone sensing of body image distress and artificial intelligence interventions](#)

Supervisors: A/Prof Gemma Sharp, Mr Alex Hu

Email: gemma.sharp@monash.edu

Available for: PhD, Masters by research, Honours

[Predicting outcomes in deep brain stimulation for epilepsy and the role for trial therapeutic stimulation](#)

Supervisors: Dr Hugh Simpson, Dr Andrew Neal, Prof Terence O'Brien, Prof Patrick Kwan

Email: hugh.simpson@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons), Medical Education

[Transcranial magnetic stimulation for drug-resistant focal epilepsy](#)

Supervisors: Dr Hugh Simpson, Prof Terry O'Brien, Prof Patrick Kwan, Dr Leo Chen

Email: hugh.simpson@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons), Medical Education

[Using artificial intelligence to identify predictors of efficacy and outcomes in vagus nerve stimulation for epilepsy](#)

Supervisors: Dr Hugh Simpson, Prof Patrick Kwan, Prof Terence O'Brien, Prof Meng Law

Email: hugh.simpson@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons), Medical Education

[Machine learning in neuroscience](#)

Supervisors: Dr Ben Sinclair, Prof Meng Law

Email: ben.sinclair@monash.edu

Available for: Masters by coursework, Honours, BMedSc(Hons), short projects

[Predicting onset of dementia using artificial Intelligence](#)

Supervisors: Dr Ben Sinclair, Prof Meng Law, Dr Lucy Vivash

Email: ben.sinclair@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons)

[Surgery for epilepsy](#)

Supervisors: Dr Ben Sinclair, Dr Lucy Vivash, Prof Terence O'Brien

Email: ben.sinclair@monash.edu

Available: PhD, Masters by research, Honours, BMedSc(Hons)

[Brain injury in intimate partner violence: insight into a silent pandemic](#)

Supervisors: Dr Georgia Symons, A/Prof Sandy Shultz

Email: georgia.fullersymons1@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)



Dr Muhammad Shahid Javaid and Dr Ana Antonic-Baker looking at cultured stem cells from patients with drug-resistant epilepsy in the Neurosciences Tissue Culture Laboratories

[Graded aerobic exercise as a therapeutic intervention for mild traumatic brain injury](#)

Supervisors: Dr Georgia Symons, A/Prof Sandy Shultz

Email: georgia.fullersymons1@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Early detection of neurodegeneration in multiple sclerosis](#)

Supervisors: A/Prof Anneke Van Der Walt, Dr Frederique Boonstra, Dr Myrte Strik (external)

Email: anneke.vanderwalt@monash.edu

Available for: PhD

[Development and application of new PET radiotracers for neuroinflammation](#)

Supervisors: Dr Lucy Vivash, Dr Bianca Jupp

Email: lucy.vivash@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons), joint PhD/exchange program

[Imaging of neurodegenerative diseases](#)

Supervisors: Dr Lucy Vivash, Prof Terence O'Brien

Email: lucy.vivash@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons), joint PhD/exchange program

[Sodium selenate as a treatment for behavioural variant fronto-temporal dementia](#)

Supervisors: Dr Lucy Vivash, Prof Terence O'Brien

Email: lucy.vivash@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons)

[Sodium selenate as a treatment for progressive supranuclear palsy](#)

Supervisors: Dr Lucy Vivash, Prof Terence O'Brien.

Email: lucy.vivash@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons), joint PhD/exchange program

Department of Psychiatry



Department of Psychiatry researchers

The Department of Psychiatry is one of Australia's largest clinical research centres in psychiatry. The Department has two research centres, Monash Alfred Psychiatry research centre (MAPrc) and HER (Health Education Research) Centre Australia. The Department of Psychiatry has a long track-record of producing world class research with direct clinical translation.

The key goal of the Department of Psychiatry is to conduct clinical research aimed at developing new treatments with direct, effective, and immediate applications. The research covers all ages and many different mental illnesses. The Department of Psychiatry is integrated with clinical practice, and based in the Alfred Hospital in affiliation with Monash University and Cabrini Health.

We have a multidisciplinary group of researchers with a research agenda that meets clinical and social needs and has a short one to five year timeline to real clinical impact.

See more:

<https://www.monash.edu/medicine/ccs/psychiatry/home>

www.maprc.org.au

<https://www.monash.edu/medicine/her-centre>

9 PROJECTS AVAILABLE:

[Using cognitive training for women's mental health](#)

Supervisors: A/Prof Caroline Gurvich, Dr Elizabeth Thomas

Email: caroline.gurvich@monash.edu

Available for: PhD

[Case control study of neonatal intensive care / special care nursery \(NICU/SCN\) admissions and antipsychotic exposure using data from the National Register of Antipsychotic Use in Pregnancy \(NRAMP\)](#)

Supervisors: Prof Jayashri Kulkarni, Dr Carolyn Breadon, Dr Eveline Mu

Email: jayashri.kulkarni@monash.edu

Available for: Honours, BMedSc(Hons)

[Cognitive functioning and emotion processing associated with perimenopausal depression \(healthy control subjects compared with depressed patient data\)](#)

Supervisors: Prof Jayashri Kulkarni, A/Prof Caroline Gurvich

Email: jayashri.kulkarni@monash.edu

Available for: PhD, Honours, BMedSc(Hons)

[Cross sectional study of trauma history, personality and psychopathology in a community sample](#)

Supervisors: Prof Jayashri Kulkarni, A/Prof Caroline Gurvich, Dr Eveline Mu

Email: jayashri.kulkarni@monash.edu

Available for: PhD, Honours, BMedSc(Hons)

[Cross sectional study of borderline personality disorder symptomatology and trauma history in women with polycystic ovary syndrome compared to healthy controls](#)

Supervisors: Prof Jayashri Kulkarni, Dr Eveline Mu

Email: jayashri.kulkarni@monash.edu

Available for: PhD, Honours, BMedSc(Hons)

[Depression and the oral contraceptive pill: A substudy of types of pill used and depressive mood](#)

Supervisors: Prof Jayashri Kulkarni, A/Prof Caroline Gurvich, Dr Eveline Mu

Email: jayashri.kulkarni@monash.edu

Available for: PhD, Honours, BMedSc(Hons)

[Impact of type and timing of childhood trauma on adult cognition and emotion regulation in borderline personality disorder \(BPD\)](#)

Supervisors: Prof Jayashri Kulkarni, A/Prof Caroline Gurvich, Dr Eveline Mu

Email: jayashri.kulkarni@monash.edu

Available for: PhD, Honours, BMedSc(Hons)

[Investigating comorbid diagnosis of eating disorders and borderline personality disorder: prevalence and symptomatology](#)

Supervisors: Prof Jayashri Kulkarni, Dr Eveline Mu

Email: jayashri.kulkarni@monash.edu

Available for: PhD, Honours, BMedSc(Hons)

[Study of premenstrual dysphoric disorder \(PMDD\) in women with borderline personality disorder \(BPD\)](#)

Supervisors: Prof Jayashri Kulkarni, A/Prof Caroline Gurvich, Dr Eveline Mu

Email: jayashri.kulkarni@monash.edu

Available for: PhD, Honours, BMedSc(Hons)

Department of Respiratory Research @ Alfred



Professor Anne Holland with a patient.

The Department of Respiratory Research @ Alfred is co-located with the Alfred Hospital, the Central Clinical School Departments of Immunology & Pathology and Medicine, the Baker and the Burnet research institutes, which enables extensive collaboration between all these groups.

The Department of Respiratory Research @ Alfred's research questions are clinically driven, with the goal of improving clinical care and treatment. The safe, rapid and informed translation of laboratory based research into clinical practice is a priority. The department's research spans a unique spectrum of expertise in advanced lung diseases, from asthma and sleep apnoea to pulmonary hypertension, lung transplantation and cystic fibrosis.

See more:

<https://www.monash.edu/medicine/ccs/respiratory-research>

14 PROJECTS AVAILABLE:

[The impact of long-term telerehabilitation or unsupervised training on physical activity in people with COPD](#)

Supervisors: Dr Angela Burge, Prof Anne Holland.

Email: angela.burge@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Attitudes and uptake of pulmonary rehabilitation: Influence of gender](#)

Supervisors: Dr Narelle Cox, Prof Anne Holland

Email: narelle.cox@monash.edu

Available for: PhD, Masters by research

[Do attitudes to telehealth delivered care differ by gender in people with chronic respiratory disease?](#)

Supervisors: Dr Narelle Cox, Prof Anne Holland, Dr Angela Burge

Email: narelle.cox@monash.edu

Available for: Masters by research.

[Maintenance of benefit of telerehabilitation in people with chronic respiratory disease: A secondary analysis to understand contributing factors.](#)

Supervisors: Dr Narelle Cox, Prof Anne Holland

Email: narelle.cox@monash.edu

Available for: Masters by research, Honours

[Predictors of responders and completers to different pulmonary rehabilitation delivery models \(remote versus in-person\)](#)

Supervisors: Dr Narelle Cox, Prof Anne Holland.

Email: narelle.cox@monash.edu

Available for: Masters by research, Honours

[Validity and the minimum important difference of the chronic respiratory disease questionnaire in people with interstitial lung disease](#)

Supervisors: Dr Leona Dowman, Prof Anne Holland

Email: leona.dowman@monash.edu

Available for: Honours, BMedSc(Hons)

[Comparison of sleep parameters and sleep perception in patients undergoing multiple sleep latency test](#)

Supervisors: Prof Anne Holland, Ms Teanau Roebuck

Email: anne.holland@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Experiences of ambulatory oxygen therapy in people with pulmonary fibrosis](#)

Supervisors: Prof Anne Holland, Dr Mariana Hoffman

Email: anne.holland@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Heart rate changes in patients with sleep disordered breathing before and after CPAP treatment](#)

Supervisors: Prof Anne Holland, Ms Teanau Roebuck

Email: anne.holland@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Investigating the role of sleep opportunity on tiredness in workers](#)

Supervisors: Prof Anne Holland, Ms Teanau Roebuck.

Email: anne.holland@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Is the hypoxic burden of women with obstructive sleep apnoea \(OSA\) less than men with OSA at the same age and body mass index?](#)

Supervisors: Prof Anne Holland, Ms Teanau Roebuck.

Email: anne.holland@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Remote oxygen saturation and pulse rate monitoring in people with chronic lung disease - a validation study](#)

Supervisors: Prof Anne Holland, Dr Narelle Cox

Email: anne.holland@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Remote monitoring of interstitial lung disease](#)

Supervisors: A/Prof Yet Khor, Prof Anne Holland

Email: yet.khor@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons), short projects

[Sleep health in interstitial lung disease](#)

Supervisors: A/Prof Yet Khor, A/Prof Bradley Edwards

Email: yet.khor@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

Department of Surgery (Alfred)



A/Prof Cheng Lo (left) and A/Prof Heather Cleland about to go into theatre.

The Department of Surgery is a centre for clinical and surgical research and education, contributing to Monash's MBBS and offering postgraduate study programs. Surgical techniques and applications are constantly evolving. Research in the Department of Surgery includes programs in a wide variety of areas such as trauma, burns, cardiothoracic, colorectal, endocrine, upper gastrointestinal, urology, orthopaedics, spine injury, general surgery and neurosurgery specialisations.

The Department of Surgery is closely associated with the National Trauma Research Institute.

See more:

www.monash.edu/medicine/ccs/surgery-alfred

10 PROJECTS AVAILABLE:

[Bioengineering composite skin](#)

Supervisors: Dr Shiva Akbarzadeh, A/Prof Cheng Hean Lo

Email: shiva.akbarzadeh@monash.edu

Available for: Masters by research

[Comparative outcomes of sleeve gastrectomy and adjustable gastric banding](#)

Supervisor: Dr Paul Burton

Email: paul.burton@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons)

[Examining the inflammatory profile of adipose tissue in oesophageal cancer](#)

Supervisor: Dr Paul Burton

Email: paul.burton@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons)

[Obesity related systemic inflammation as a driver of non-alcoholic fatty liver disease](#)

Supervisor: Dr Paul Burton

Email: paul.burton@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons)

[Outcomes of gastro-oesophageal cancer in Victoria](#)

Supervisor: Dr Paul Burton

Email: paul.burton@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons)

[Outcomes of major bariatric surgical procedures](#)

Supervisor: Dr Paul Burton

Email: paul.burton@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons)

[Measuring the inflammatory response to bariatric surgery](#)

Supervisor: Dr Paul Burton

Email: paul.burton@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons)

[The role of oesophageal manometry in Upper GI surgery](#)

Supervisor: Dr Paul Burton.

Email: paul.burton@monash.edu

Available for: PhD, Masters by research, Masters by coursework, Honours, BMedSc(Hons)

[Full thickness burn wound closure using bioengineered skin: A clinical trial](#)

Supervisors: A/Prof Cheng Hean Lo, A/Prof Heather Cleland

Email: cheng.lo@monash.edu

Available for: PhD, Masters by research

[Examining the effects of bariatric surgery on mental health](#)

Supervisors: A/Prof Priya Sumithran, Ms Alyssa Budin

Email: priya.sumithran@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

Melbourne Sexual Health Centre (MSHC)



Associate Professor Eric Chow (standing right) and colleagues

The Melbourne Sexual Health Centre (MSHC) is a specialised unit for the prevention, diagnosis, treatment and management of sexually transmissible infections (STIs, including HIV). It is a principal centre for training health professionals in Victoria. The Centre conducts epidemiological, public health, and clinical research primarily aimed at improving the services offered at MSHC and to advance standards of sexual health in the community.

See more:

- www.monash.edu/medicine/ccs/sexual-health
- www.mshc.org.au

8 PROJECTS AVAILABLE:

[Chlamydia repeat infection rates among men who have sex with men after changing treatment guidelines to doxycycline as first line treatment for anorectal Chlamydia](#)

Supervisors: A/Prof Eric Chow, Prof Christopher Fairley, Prof Jane Hocking (external)

Email: eric.chow@monash.edu

Available for: Masters by research, Masters by coursework, Honours, BMedSc(Hons), short projects, joint PhD/exchange program.

[Hepatitis co-infection among people with newly diagnosed HIV](#)

Supervisors: A/Prof Eric Chow

Email: eric.chow@monash.edu

Available for: Honours, BMedSc(Hons), short projects

[Novel approaches to diagnosing and controlling bacterial sexually transmitted infections](#)

Supervisors: A/Prof Eric Chow, A/Prof Marcus Chen, Prof Christopher Fairley

Email: eric.chow@monash.edu

Available for: PhD

[Switching from routine presumptive treatment to presumptive treatment only if indicated for individuals reporting sexual contact with partners with Chlamydia](#)

Supervisors: A/Prof Eric Chow, Prof Marcus Chen.

Email: eric.chow@monash.edu

Available for: Masters by research, Masters by coursework, Honours, BMedSc(Hons), short projects, joint PhD/exchange program

[Perspectives on partner therapy for bacterial vaginosis](#)

Supervisors: Dr Alicia King, Dr Lenka Vodstrcil

Email: alicia.king@monash.edu

Available for: Masters by coursework, Honours, BMedSc(Hons)

[Annual Sexual Practices and Activities Survey \(ASAP\)](#)

Supervisors: Dr Tiffany Phillips, Prof Christopher Fairley, A/Prof Eric Chow

Email: tiffany.phillips@monash.edu

Available for: Honours, BMedSc(Hons), short projects, joint PhD/exchange program

[Examining oropharyngeal STIs in heterosexuals](#)

Supervisors: Dr Tiffany Phillips, Dr Alicia King, A/Prof Eric Chow

Email: tiffany.phillips@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

[Improving women's reproductive and sexual health](#)

Supervisors: Dr Lenka Vodstrcil, Prof Catriona Bradshaw, Dr Erica Plummer

Email: lenka.vodstrcil@monash.edu

Available for: PhD, Masters by research, Honours, BMedSc(Hons)

Contact us

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Research project database:
supervisorconnect.med.monash.edu/research-projects

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