



**Alfred
Research
Alliance**

New thinking.
Real impact.



Further Your Career at the
Alfred Research Alliance
Translating research & improving lives

“ If you want to positively contribute to preventing, treating or curing human disease, illness and injury, the Alfred Research Alliance is the place for you. ”

Why Alfred Research Alliance?

Alfred Research Alliance is a vibrant alliance dedicated to excellence in research and education, and to translating our research into improved diagnoses, treatments and disease-prevention strategies that address critical unmet clinical and public health needs.

Located in the heart of Melbourne, the Alliance is an exciting multi-layered collaborative community which is home to some of the world's leading research, teaching and health services organisations with experts in almost every field of biomedical, translational, clinical and public health research, and in education and healthcare. Our research strengths include:

- Blood Diseases and Cancer
- Cardiovascular Disease
- Diabetes and Obesity
- Epidemiology and Public Health
- Infection and Immunity
- Mental Health and Neuroscience
- Nursing and Allied Health
- Trauma, Critical Care and Perioperative Medicine (TCCPM)

Within these broad areas, our researchers excel in a wide range of areas from metabolomics, bioinformatics, cancer and immunotherapy, to ophthalmology, psychology, respiratory medicine, preventive medicine, rehabilitation and health services research. The Alfred Research Alliance is a world-leading community where research is converted into clinical outcomes to deliver better results, sooner.

Central to the Alliance is The Alfred, one of Australia's busiest hospitals, which links our research directly to clinical problems and keeps us people-focused and outcome-driven. Together with our strong translational research focus and collaborative environment, this is a real, tangible point of difference which will allow you to optimise your learning and strengthen your research, right here on site.



1

Hospital



3

Universities



2

Medical research institutes



2

Biomedical SMEs



8,000+

Staff & students



1,500+

Researchers



1,100+

Post-graduate students



“The Alliance’s excellence in translational research to clinical care ensures new thinking has real impact.”

Individual Excellence, Collective Strength

The members of Alfred Research Alliance are recognised leaders in their fields. Each organisation contributes distinct skills, expertise and perspectives while encouraging the sharing of skills, technology and knowhow. This allows our members to consistently attract and retain vital funding and talent. The membership includes:

- Alfred Health
- Monash University (Central Clinical School and School of Public Health & Preventive Medicine)
- Baker Heart and Diabetes Institute
- Burnet Institute
- La Trobe University (Alfred Health Clinical School)
- Deakin University
- 360biolabs
- Nucleus Network

We actively foster collaboration – including with clinical researchers at The Alfred, many of whom have joint appointments at our member universities, medical research institutes and biotech companies – because we know it enables us to ‘solve the unsolvable’ and bring new interventions to patients more quickly.

This collaborative approach underpins the Alliance’s excellence in bringing research and medicine together, to work hand in hand. Biomedical discovery connects into the clinical research pipeline, which translates directly into clinical practice. Experience gained at the bedside can then be fed back into research. This allows us to apply new ways of thinking to unmet clinical needs, delivering improved health outcomes for patients and the community.

New Thinking, Real Impact

A complete, translational research loop, from bench to bedside...and back



Progress Your Career on a Strong Foundation

The funding, facilities and services which you’ll find at the Alfred Research Alliance are world standard, providing an ideal foundation for the achievement of excellence.

The strength of our research is underpinned by our members’ ability to consistently attract and retain vital funding. In 2019, external research funding won by our members totalled more than \$113 million. This included \$67.95M in new NHMRC funding commitments commencing in 2020, representing a significant percentage of Victoria’s share of funding from this source, and millions of dollars in philanthropic investment.

By sharing facilities across the precinct, we minimise duplication and maximise the value of investment dollars, while collaborating closely to ensure our facilities and services operate at world’s best practice, delivering more value to all.

Shared library, seminar and teaching facilities provide a focus for learning, collaboration and innovation. State-of-the-art clinical facilities at The Alfred, together with extensive research facilities, technologies and resources across the precinct, provide opportunity for leading edge research. All of these resources are governed by uniform ethical oversight. This means you can confidently expect to have access to the platforms, technologies and capabilities that result in world-leading projects, lead to publication, grant and career opportunities and, most importantly, result in improved community health outcomes.

A list of facilities, platform technologies and services available at the Alfred Research Alliance can be located on the back page.

Translating Research into Practice

High quality, translational research is a feature of the Alfred Research Alliance. Here, clinicians, scientists and students take new discoveries from knowledge creation in fundamental research, right through into clinical practice.

We are able to do this because of unique advantages including:

- Co-location with The Alfred, which provides a clinically diverse setting that supports patient-centred research.
- Public health research and an unsurpassed collection of clinical registries, which mean we can follow the impact of specific interventions on health outcomes, at both clinical and community levels, over time.
- Health services research, which improves the delivery of a range of services, ensuring better outcomes for patients.
- Clinical trials capacity, which gives us the depth and breadth of expertise to translate our discoveries into new interventions.
- Start-ups and SMEs co-located on-site, which provide opportunities to interact with and experience biomedical commercialisation and clinical trials (phase I-IV) as part of the translational activities at the Alliance.

It's a complete, interconnected, translational research loop - all on one busy and exciting site in the heart of Melbourne...and that helps make us unique.

“ This collaborative community of more than 8000 people takes research from the bench, to the bedside, and back all on one, unique site in the heart of Melbourne. ”



Working at the Alfred Research Alliance

It's important to build your career in a place where you will be supported in your professional aspirations and have the opportunity to work alongside the best in the industry. But you need to enjoy where you work, too.

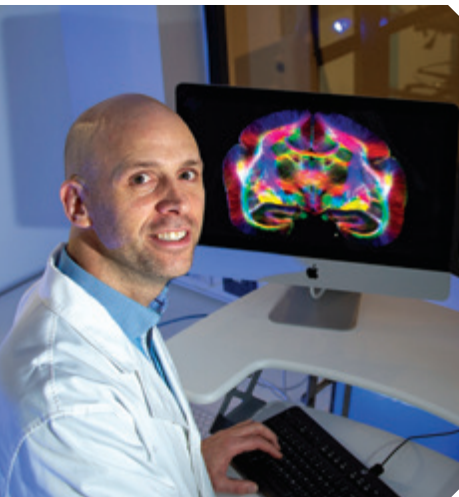
The Alfred Research Alliance strikes the perfect balance.

Here, you'll benefit from outstanding professional opportunities, excellent resources and everything you need to achieve the all-important work-life balance. Many of our members offer flexible working arrangements and job-share opportunities, and high-quality child care for babies, toddlers and pre-schoolers is available at a number of centres close to the precinct.

There's an EMCR committee for those in the early to mid-stages of their careers and a busy seminar program open to all Alliance members provides the opportunity for ongoing learning

and professional development. Researchers, students and clinicians from across the precinct also have the chance to network at a number of events held here at the Alfred precinct.

The icing on the cake is our location. The precinct looks across Commercial Road to beautiful Fawkner Park, with its great running tracks and sporting grounds. Hop on a tram to Southbank or Melbourne city, stroll to Albert Park Lake and Melbourne Sports & Aquatic Centre, or wander the other way to busy Prahran Market and Chapel Street, Melbourne's food and fashion hub.



“ The Alfred Research Alliance strikes the perfect balance between professional opportunity and personal enjoyment. ”



Platforms, Services + Resources

The Alfred Research Alliance facilities, platforms and resources include:

Platform Technologies

- Flow cytometry core facility
- Micro imaging – core facility with confocal, fluorescence and deconvolution microscopy
- Histology – professional service or do it yourself options
- Monash's ARA-MBI Preclinical Imaging Facility with in vivo MRI, PET/CT, FLECT, MPI scanner, DEXA
- Genomics capability – state-of-the-art and next generation sequencing
- Clinical research – cardiopulmonary exercise testing, research gymnasium, clinical rooms for echocardiography
- Monash Simoa HD-X Analyser
- Monash Outcomes Research and Health Economics (MORE) service
- Preclinical cardiology platform – cardiac physiology specialist facility and techniques
- Preclinical metabolic/bioenergetics facility – metabolic phenotyping, mitochondrial and glycolytic functionality
- Metabolomics – state-of-the-art tandem mass spectrometry and liquid chromatography
- Global Health Diagnostics Laboratory – development of prototype rapid, point of care tests for priority global health issues
- PC3 antiviral testing facility – enables research with infectious materials (eg HIV and HSV)
- OPTIMA – sophisticated tool to assist decision-makers choose the best public health investments in areas including tuberculosis, HIV, nutrition, maternal and child health
- Biostatistics consulting – provides biostatistical support for researchers

- Bioinformatics – advice, consultancy, training, analysis and collaboration for genomics, and other -omics including cross-omic integration analysis
- Clinical registries – the Alliance is home to the largest concentration of clinical registries relating to healthcare and health status in Australia. Full list can be found at links below.
- Biobanks – including AusDiab, ASPREE Healthy Ageing Biobank and the Victorian HIV Blood and Tissue Storage bank – a State-wide Victorian HIV Service with 60,000 samples

Research Ethics and Compliance

The Alfred Research Alliance provides streamlined ethics processes:

- Human Research Ethics Committee (HREC) – The Alfred Hospital Ethics Committee is a NHMRC-registered and certified HREC and undertakes ethical review of human research for all Alliance member organisations
- Animal Ethics Office (AEO) – The Alfred Research Alliance AEO coordinates the ethical review by our Animal Ethics Committees of proposals for the use and breeding of animals for scientific purposes for Alliance member organisations

For more information about our platforms and resources, visit www.alfredresearchalliance.org.au/resources or consult our annual Research Report, available for download on the website.



Careers @ the Alliance

To find out more about working at the Alfred Research Alliance, please visit our members' websites:

Alfred Research Alliance

About the Alliance: www.alfredresearchalliance.org.au

AlfredHealth

Alfred Health

About us: www.alfredhealth.org.au

Careers at Alfred Health: www.alfredhealth.org.au/careers



Monash University School of Public Health & Preventive Medicine

About us: www.monash.edu/medicine/sphpm

Careers at Monash: www.monash.edu/jobs

Monash University Central Clinical School

About us: www.monash.edu/medicine/ccs

Careers at Monash: www.monash.edu/jobs



Baker Heart and Diabetes Institute

About us: www.baker.edu.au

Careers at Baker: www.baker.edu.au/career



Burnet Institute

About us: www.burnet.edu.au

Careers at Burnet: www.burnet.edu.au/careers_and_employment



Deakin University – Centre for Quality & Patient Safety Research

About us: www.deakin.edu.au/qps/partnerships/alfred-health

Careers at Deakin: www.deakin.edu.au/about-deakin/work-at-deakin



La Trobe University – Alfred Health Clinical School

About La Trobe ARCH at Alfred Health: <https://www.latrobe.edu.au/she/arch/partners/alfred-health>

Careers at La Trobe: www.latrobe.edu.au/jobs



Nucleus Network

About us: www.nucleusnetwork.com/au/about-us

Careers at Nucleus Network: www.nucleusnetwork.com/au/about-us/join-our-team/



360biolabs

About us: www.360biolabs.com/work-with-us/

Careers at 360biolabs: www.360biolabs.com/careers/

