

The Institute for Molecular Bioscience, where **amazing** happens



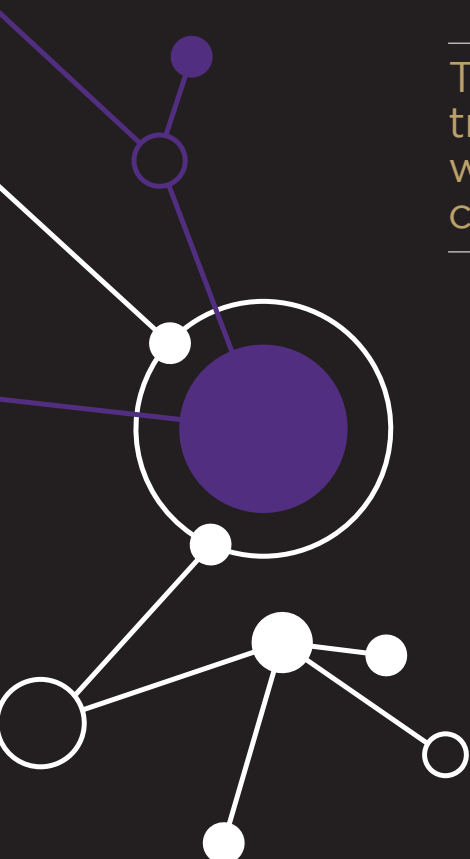


The Institute for Molecular Bioscience (IMB) gives you access to a unique collaboration of the world's best minds working across multiple disciplines on real-world problems.

Our unique approach means we see what others can't so we solve problems others simply can't solve.

In partnership with you, the possibilities are endless.

Together we will
transform tomorrow
with discoveries that
change lives.



Find the best solution to your problems

IMB, Australia's best-kept secret

IMB is Australia's highest-performing research institute and the life science powerhouse.

Our unique blending of disciplines and skillsets unleashes a unique approach – and commercial advantage found nowhere else.

A commercial advantage that you now have access to. Make the impossible possible.

Research Partnerships that deliver

Enjoy the power of the best minds working with your team to solve your problem within the constraints of your world.

Benefit from our proven success in matchmaking our expertise and capabilities to meet your needs, and our unparalleled ability to dissect and answer a problem like no-one else.

Capture the value created by the best minds in our organisation working together with the best minds in your business to create and implement discoveries that change lives and outcomes that set you apart.

Commercialisation

Achieve commercial impact with our UniQuest experts who are embedded at IMB and become part of your team.

No problem is too big or too small – talk to us now about how we can help you find the right solution.

IMB's success ensures The University of Queensland is a global leader in life science research. The diversity of our researchers and our research across the diverse disciplines of chemistry, computational biology, genetics, genomics, solar biotechnology means we see what others can't.

Delivering solutions to real-world problems that matter.



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IMB is quite marvelous in the sheer knowledge and capability in one building. Whatever your problem, there will be an expert in the building, so there is little that we can't achieve. The diversity of the researchers, the techniques used, and the facilities are second to none.

Associate Professor Irina Vetter, IMB Group Leader & Deputy Director of the IMB Centre for Pain Research.

Our collaboration with IMB has been particularly useful for us in identifying the science needed to enable commercialisation. We are very confident that we now have a solution to a 50-year problem thanks to the work we have been doing with IMB.

Garry Henderson, Principal Process Engineer, Kellogg Brown & Root Pty Ltd

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Break the status quo with a new way of thinking

We are not constrained by tradition and nor should you be – by thinking in a whole new way, we uncover a whole new approach to solving problems.

Stop imagining what might be possible and start experiencing the many benefits of working with us.

Exploring the molecular to examine the building blocks of life develops an understanding of the what, how and why of nature. Our scientists harness this knowledge to develop innovative solutions to the problems that plague us everyday – problems that companies just like yours are eager to solve.

Unleash the expertise of our world-leading capability in:

- Genomics
- Genetics
- Cell biology
- Molecular biology
- Structural biology
- Molecular medicine
- Chemistry
- Biochemistry
- Immunology
- Microbiology
- Pharmacology
- Toxicology

IMB's specific expertise includes:

- Venoms and toxins as therapeutics
- Natural products
- Drug discovery
- Antibiotics against superbugs
- Biomarker development
- Bio-insecticides
- Solar Biotechnology
- Bioinformatics
- Genomic technologies

**What are you waiting for?
Take advantage of IMB's research leadership and innovation to find the best solution for your business.**



With applications in:

- Cancers
- Inflammation
- Chronic pain
- Neurodegenerative disease
- Infection
- Reproductive health
- Sepsis
- Cardiovascular disorders
- Stroke
- Epilepsy
- Asthma
- Cognitive aging
- Psychiatric disorders
- Inflammatory Bowel Disease
- Clean energy
- Crop health
- Animal health
- And more

Our researchers are discovering new applications everyday, fueled by our unique approach. Our high-impact discovery and translation comes from world-leading multidisciplinary teams working together closely – we have chemists working with computer scientists and cell biologists for example. This transforms the way we approach problems and think about solutions.

Our research marks the beginning of a whole new future.



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IMB are a crucial part of our business. They are our lab. They are our research and development team. We've spoken to people all over the world and there's no one better as far as we're concerned.

Nick Watts, Innovate Ag

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Access the absolute forefront of technology

Working with IMB means you have the advantage of our world-best researchers and our unique cross-disciplinary approach with access to our state-of-the-art University research facilities:

- Imaging Facility
- Nuclear Magnetic Resonance (NMR) Facility
- Mass Spectrometry Facility
- Sequencing Facility
- Clive & Vera Ramaciotti Facility for Producing Pharmaceuticals in Plants
- Crystallisation and X-ray Diffraction Facility
- Queensland Facility for Advanced Genome Editing
- Solar Biotechnology Facility
- Queensland Emory Drug Discovery Initiative
- Queensland Facility for Advanced Bioinformatics and high performance computing
- Community for Open Antimicrobial Drug Discovery
- Genome Innovation Hub

But wait, there's more!

University facilities supported by IMB

- UQ Protein Expression Facility
- UQ Centre for Advanced Imaging
- UQ Biological Resources
- UQ Centre for Microscopy and Microanalysis

Partner with us and
enjoy access to some
of the world's most
advanced facilities
and best minds to
solve your problem.

Solutions to real-world problems that matter

IMB is driving discovery and impact through the development of preventions, diagnostics and solutions to address some of the world's greatest health and environmental challenges. We love solving problems.

And we're very good at it!

We hate to boast but our scientists have been

- tackling an increasing demand from Australia's \$21 billion aquaculture, livestock, egg and dairy industries to feed the escalating world population with innovative algae-based functional feeds.
- applying genome sequencing and computational approaches to understand coral bleaching on the reefs.
- laying the foundations for a preventative health care system with precision medicine capability by developing new analytical methods of genomic data.
- developing a new line of defense against drug-resistant bacteria to save lives.
- finding the connecting pieces underlying the causes of Endometriosis by studying the genetic causes.

- identifying receptors in the body that control tumour growth and metastasis in breast cancer, and dramatically improving the survival rates of women.
- developing novel approaches for cardio-respiratory critical care interventions, with the Prince Charles Hospital.
- using spider venom-derived protein to minimise the brain damage caused by stroke.
- aiding the fight against the cane toad by applying biologically active small molecules from nature.

**Tell us your problem
- we have the
experience, expertise,
determination and
facilities to unlock
and implement the
right solution for you.**

But don't just take our word for it!

We're incredibly proud of having partnered with gamechangers just like you to find solutions:

Join our growing list of partners

- Pfizer Pty Ltd
- Dairy Innovation Australia Ltd
- Peter MacCallum Cancer Care
- GWDG
- Cincinnati Children's Hospital
- Bioproton Pty Ltd
- Australian Red Cross Blood Service
- Phylogica Ltd
- Audeo Discovery Pty Ltd
- Mater Misericordiae Public Hospital
- Innovate Ag Pty Ltd
- Metro South Hospital and Health Service
- Zealand Pharma A/S
- SA Pathology
- Deutsches Elektronen-Synchrotron
- Synchrotron Light Source Australia Pty Ltd
- Great Barrier Reef Foundation
- Great Barrier Reef Marine Park Authority
- Australian Institute of Marine Science
- Bioplatforms Australia Ltd
- Australian Nuclear Science and Technology Organisation
- Royal Brisbane and Women's Hospital
- Calvary Health Care Bethlehem Ltd
- Westmead Hospital
- Concord Repatriation General Hospital
- Natural History Museum London
- Kellogg Brown and Root Pty Ltd
- Nufarm Limited
- Elanco

Difficult problems require new ways of thinking. We see what others can't see and that means we identify and solve problems that others can't.

Let's start working together on the best solution to your problem!

To start the conversation about the IMB advantage for your business, please contact:

Research Partnerships Manager
Dr Jodi Richards
+61 438 296 801
partner@imb.uq.edu.au

To bring your philanthropic vision to life and change the world, please contact:

Director (Advancement)
Ms Kamyra Laurenson
+61 429 518 792



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

CREATE CHANGE