

Deputy Vice-Chancellor (Academic)  
Deputy Vice-Chancellor (Corporate Engagement and Advancement)  
Deputy Vice-Chancellor (Research)  
Deputy Vice-Chancellor (Students and Registrar)



# Macquarie University

AN INNOVATION NEXUS

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Innovation at Macquarie University is driven by the exchange and development of ideas and by collaboration that leads to real-world change for the better. The University facilitates collaboration among our internal and external communities, changing the world for good and preparing our graduates to tackle the defining issues of their lifetimes.

# Innovation through ingenuity

## BUILDING PROSPERITY BY TRANSFORMING LIVES

Macquarie University's guiding strategy – *Our University: A Framing of Futures* articulates the University's purpose of serving and engaging the world through discovery, dissemination of knowledge, and ideas, innovation and deep partnerships.

Our future will be built on the foundation of our achievements in:

- learning and teaching programs such as PACE (Professional and Community Engagement), the Global Leadership Program (GLP) and Macquarie Graduate School of Management's (MGSM) Living Case Study and electives
- innovative research training such as the Master of Research (MRes) program
- discovery and translation of research such as wi-fi
- the establishment of Australia's first university-led, integrated academic health campus
- development of the Australian-first Indigenous Strategy Green Paper.

We cultivate innovation by encouraging and adopting new ideas and ways of doing that create meaningful change, and through larger initiatives that transform learning environments, support collaboration and create pathways for the translation of world-leading, world-changing discovery.

We welcome opportunities created through the Government's National Innovation and Science Agenda (NISA). The University is well positioned to capitalise on its research strengths within the NISA framework. We do this by continuing to build mutually beneficial relationships across sectors within Macquarie Park, Australia and internationally; by commercialising the results of our research into products and services that benefit the wider community; and by building entrepreneurial skills in our student and staff cohorts.

### **COLLABORATION AND PARTNERSHIP**

The University encourages cross-disciplinary collaborations that enable innovative thinking and that lead, for example, to the application of

medical imaging technologies to archaeology or to the development of courses like those established through the Big History Project.

We embrace collaboration with other research organisations, government, NGOs and industry. We know that our multi-disciplinary expertise coupled with the unique perspectives of our partners present compelling prospects to solve the economic and social challenges of our time.

The Macquarie University Health Sciences Centre – encompassing the Macquarie University Hospital and the Faculty of Medicine and Health Sciences – together with the Office of Commercialisation and Innovation, will provide pathways for the commercialisation of discoveries via the Government's proposed Biomedical Translation Fund.

The Office of Corporate Engagement and the Research Partnerships team will lead Macquarie into new and sustainable partnerships, particularly with SMEs via Linkage Projects, CRC Projects and contract research.

### LOCAL AND GLOBAL CONNECTION

The University looks locally and abroad for opportunities to create and expand collaborations with large corporations and with SMEs. In our local neighbourhood we foster and value strategic on-campus partnerships, such as those through the Australian Hearing Hub, and are leading the establishment of the Macquarie Park Innovation District with our corporate neighbours. Internationally we seek to develop deep and broad-based partnerships, such as the €1 million DAAD partnership between Macquarie University, University of Hamburg (Germany) and Fudan University (China), that support diverse and innovative research collaborations and opportunities for student and staff exchange.

### INCREASING CAPABILITY

We will continue to make an impact in primary and secondary Science, Technology, Engineering, Maths and Medicine (STEMM) education through *FIRST*® Australia. This program has been inspiring young peoples' interest and passion for STEMM since it was first established at Macquarie in 2006. By joining the Science in Australia Gender Equity (SAGE) pilot we will expand opportunities for women in STEMM. Through the development and implementation of an eResearch strategy we will build data science capability among our HDR and researcher cohorts to prepare our workforce for the jobs of the future. Lastly, our Early Career Researcher Network means that Macquarie is looking ahead and developing its leaders of the future.

### COMBINED EXPERTISE

In addition to these initiatives we must also sharpen our innovation focus. Across the University we are unified in contributing to the innovative strength of Macquarie University – from learning and teaching, research, our students, international outreach and corporate engagement. The Office of Commercialisation and Innovation, the Research Office and Corporate Engagement and Advancement exist to drive, support and unite our efforts toward the realisation of Macquarie as 'an innovation nexus' involving our staff, students, partners, industry, government and NGOs.

The combined expertise and experience embodied in the pioneering minds of our students, staff, alumni and partners is our greatest asset. We invite innovation and collaboration across all sectors and aim to be a place that people want to come to and engage with.

Australian Hearing Hub





Macquarie University is a vibrant hub of intellectual thinkers, all working towards a brighter future for our communities and our planet.

#### **A PLACE OF INSPIRATION**

Macquarie is uniquely located in the heart of Australia's largest high-tech precinct, a thriving locale which is predicted to double in size in the next 20 years to become the fourth largest CBD in Australia.

Our campus spans 126 hectares, with open green space that gives our community the freedom to think and grow. We are home to fantastic facilities with excellent transport links to the city and suburbs, supported by an on-campus train station.

#### **RENOWNED FOR EXCELLENCE**

We are ranked among the top two per cent of universities in the world, and with a 5-star QS rating, we are renowned for producing graduates that are among the most sought-after professionals in the world.

#### **A PROUD TRADITION OF DISCOVERY**

Our enviable research efforts are brought to life by renowned researchers whose audacious solutions to issues of global significance are benefiting the world we live in.

#### **BUILDING SUCCESSFUL GRADUATES**

Our pioneering approach to teaching and learning is built around a connected learning community: our students are considered partners and co-creators in their learning experience.

