



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

CREATE CHANGE



“The University of Queensland is where excellence is nurtured, pursued and celebrated as we work to create positive change for a better world.”

WELCOME

The University of Queensland (UQ) is where excellence is nurtured, pursued and celebrated as we work to create positive change for a better world.

UQ ranks among the top 50 out of more than 10,000 universities worldwide, according to key global independent rankings, thanks to the contributions of our outstanding students, staff, alumni, cross-sectoral partners, and supporters in government, industry and philanthropy.

The independent national assessment of research quality, Excellence in Research for Australia (ERA), also affirms the exceptional quality of UQ's researchers, with 100 per cent of our research – evaluated across all 22 broad fields of research and 97 specialised fields of research – rated at world standard or above.

UQ is proud to collaborate with global research institutions and industry partners, who include powerhouses such as Boeing, Merck, Pfizer, Novartis, the Bill & Melinda Gates Foundation, Baosteel, the World Bank, the Global Environment Fund, and The Dow Chemical Company. These vital connections help project UQ's research to the world, while also providing UQ students with the opportunity to engage in research or international experience during their studies.

UQ has won more national teaching awards than any other Australian university, reflecting our strong focus on teaching excellence, and 169 UQ staff further enhance this as members of Australia's learned academies. UQ's teaching and research strength combine to create a flexible and inspiring learning environment for our 52,300 current students – emerging leaders who hail from diverse backgrounds in more than 141 countries.

Across our 385 programs, our students enjoy a range of study options, including online and in-person experiences, and have access to dedicated academic and career support throughout and after their studies. We welcome students with the academic ability and aspirations to gain an outstanding education, balanced with a campus lifestyle that is second to none in Australia.

In 2017, UQ's 250,000th graduate joined our awe-inspiring alumni community, which includes over 13,800 PhDs.

Generations of students, staff and alumni have built our reputation, and I am confident that the strength of our reputation will not only benefit future students, but also the boundless local and global communities that will gain from UQ's knowledge leadership.

Professor Peter Høj
Vice-Chancellor and President



52,300+
STUDENTS



15,400+
INTERNATIONAL STUDENTS



16,400+
POSTGRADUATE STUDENTS



13,800+
PHD GRADUATES



6600+
STAFF



250,000+
ALUMNI



\$1.8 BILLION +
OPERATING REVENUE



CAMPUSES

ST LUCIA

Just seven kilometres from Brisbane's city centre, UQ's St Lucia campus is renowned as one of Australia's most beautiful university campuses. Bounded by the Brisbane River on three sides, UQ St Lucia is an idyllic study, research and living environment.

GATTON

UQ Gatton, 80 kilometres west of Brisbane, combines an agricultural heritage with the latest science research and teaching facilities. It operates commercial plant and animal production units in rural technologies for teaching, research and hands-on training.

HERSTON

UQ Herston shares premises with the Royal Brisbane and Women's Hospital and QIMR Berghofer Medical Research Institute. This city-based site delivers innovative and contemporary research and education programs in a clinical academic environment.



6 FACULTIES

BUSINESS, ECONOMICS, AND LAW

ENGINEERING, ARCHITECTURE, AND INFORMATION TECHNOLOGY

HEALTH AND BEHAVIOURAL SCIENCES

HUMANITIES AND SOCIAL SCIENCES

MEDICINE

SCIENCE

8 INSTITUTES

AUSTRALIAN INSTITUTE FOR BIOENGINEERING AND NANOTECHNOLOGY

GLOBAL CHANGE INSTITUTE

INSTITUTE FOR MOLECULAR BIOSCIENCE

INSTITUTE FOR SOCIAL SCIENCE RESEARCH

MATER RESEARCH INSTITUTE - UQ

QUEENSLAND ALLIANCE FOR AGRICULTURE AND FOOD INNOVATION

QUEENSLAND BRAIN INSTITUTE

SUSTAINABLE MINERALS INSTITUTE

LEARNING EXCELLENCE

*At UQ, we are
changing the way
higher education is
delivered and
experienced*



GLOBAL LEARNING OPPORTUNITIES



200+
EXCHANGE PARTNERS
IN 41 COUNTRIES



1000+
GLOBAL EXPERIENCES



650+
RESEARCH
OPPORTUNITIES
FOR UNDERGRADUATE
STUDENTS



250+
VOLUNTEER
OPPORTUNITIES



\$1.2 MILLION
IN STUDENT FUNDING
SUPPORT

LEARNING AT UQ

At UQ, we are changing the way higher education is delivered and experienced. Our students enjoy flexible learning options, diverse and dynamic partnership opportunities, one of the most advanced information networks in the world and one of the best research libraries in Australia.

UQ offers enriched learning experiences and different pathways to qualification. With international learning opportunities, partnerships that provide support and industry insight, and inspirational teaching staff, students are encouraged to ask the questions that create change.

LEARNING ENRICHMENT

UQ offers the most comprehensive range of high-quality programs in Queensland, with 385 programs offered at undergraduate and postgraduate levels.

UQ aims to create game-changing graduates, student-centred flexibility, dynamic people and partnerships, and an integrated learning environment.

The UQ Student Employability Centre coordinates a number of initiatives to strengthen the range of global, professional and leadership experiences offered to students.

Programs offered include:

- Student exchange programs
- Short-term global experiences
- Universitas 21 student experiences
- The UQ employability award
- Undergraduate research programs.

UQ student Robert Matthews (pictured) participated in the student exchange program, studying at Stockholm University, Sweden. He made the most of this opportunity by travelling to other countries in Europe. This photo was taken at Flylsjuvet Lookout, overlooking Geirangerfjord in Norway.

LEARNING REVOLUTION

UQx embodies The University of Queensland's participation in edX, the world's leading not-for-profit consortium of massive open online courses (MOOCs).

MASSIVE OPEN ONLINE COURSES

MOOCs are free and accessible to anyone with access to the internet, allowing millions of people worldwide to undertake tertiary studies, often for the first time.

MICROMASTERS

MicroMasters offer flexible, affordable credentials for career advancement and an accelerated Master's degree.

CREATE CHANGE: MASTERCLASSES

Create Change: Masterclasses offer free, inspiring teaching from UQ thought leaders, highlighting the journeys of proven change-makers.



FLEXIBLE LEARNING



Today's students face some of the most uncertain and shifting work environments of any time in history. Some are learning in fields where their future job doesn't yet exist.

It's no surprise that students are increasingly interested in trading in traditional career paths for more innovative, entrepreneurial futures, including creating their own jobs.

A major goal of UQ's student strategy is to provide a flexible environment that meets students' priorities and expectations, and personalises their learning experiences. The strategy aims to shift teaching to a blend of high-impact active learning on campus and flexible online delivery, feedback and study options.

As part of this approach, UQ is empowering a transition towards more 'flipped classrooms', also known as blended learning, where the traditional model of learning is turned on its head.

Instead of large lecture halls with one educator and a room full of students, students first learn about core concepts independently through videos, recorded lectures, quizzes, and readings.

This model frees up on-campus time for richer, active learning sessions where students develop their understanding and critical thinking skills with experts in the field, learn to ask the right questions, and apply their knowledge to practical and challenging situations.

Associate Professor Carl Reidsema, Director of Teaching and Learning (Engineering), has led the successful development of the flipped classroom model for more than 1200 students in first-year engineering design course 'ENGG1200 - Engineering Modelling and Problem Solving'.

UQ's immersive 3D visualisation laboratory gives students a semi-immersive virtual environment in which a number of mining-related scenarios can be simulated.

Dr Reidsema says the motivation for this approach was a drop in lecture attendance, driven by the increased availability of recorded lectures.

"UQ has made great strides in improving its use of technology to support student learning and has invested heavily in supporting academic innovation in this area with a wide range of eLearning tools and systems.

"Some courses are problem-oriented rather than content-oriented, and students have the opportunity to use their conceptual understanding to solve the type of authentic problems that engineers are confronted with in industry.

"Employers understand the importance of providing students with authentic hands-on design and problem-solving experiences in order to develop skills and attitudes, which are critical and can be difficult to develop from within a university setting."

"This approach will allow us to ensure that our students are able to progressively develop their application skills and knowledge by being able to apply theory to practice through active learning."

ASSOCIATE PROFESSOR REIDSEMA



#1 IN QUEENSLAND
FOR GRADUATE EMPLOYABILITY
QS Graduate Employability Rankings 2018



MORE NATIONAL AWARDS
FOR UNIVERSITY TEACHING
THAN ANY OTHER AUSTRALIAN UNIVERSITY



385
UNDERGRADUATE AND
POSTGRADUATE PROGRAMS



RESEARCH IMPACT

UQ research has impact across the globe. With a reputation for excellence, UQ creates positive change through research.

MRI Facility Manager Mr Aiman Al Najjar at the Centre for Advanced Imaging. The Centre reflects the growth in biotechnology and biomedical research requiring spectroscopic and imaging research capabilities.



RESEARCH THEMES

- HEALTHY AGEING
- FEEDING THE WORLD
- RESILIENT ENVIRONMENTS
- TECHNOLOGY FOR TOMORROW
- TRANSFORMING SOCIETIES

INSPIRING RESEARCH

UQ research creates value that translates into impact – for our local community, Australian society, and in far-reaching places around the globe. We work closely with government and business partners to solve the world’s most challenging problems. UQ research creates solutions that affect social, economic, technological,

health, environmental and cultural improvements for communities globally.

In addition to our eight globally recognised research institutes, UQ has more than 100 research centres and major university-wide research initiatives that empower UQ researchers to continue their vital work.

100% OF UQ RESEARCH IS RANKED AT OR ABOVE WORLD STANDARD.

EXCELLENCE IN RESEARCH AUSTRALIA ASSESSMENT 2015

Pictured: Heron Island, in the Great Barrier Reef off the coast of Queensland, where UQ has a research station.

FROM RESEARCH TO IMPACT

UniQuest is the main commercialisation company of UQ. It specialises in global technology transfer and facilitates access for business sectors to the world-class expertise, intellectual property and facilities at UQ. UniQuest has commercialised an extensive intellectual property and asset portfolio including successes such as the HPV vaccine Gardasil®, the Triple P – Positive Parenting Program, the image correction technology used in most of the world’s MRI machines, and Spinifex Pty Ltd. – a biopharmaceutical company acquired in one of Australia’s largest ever biotech deals.

UNIQUEST

30+
YEAR HISTORY

87
GRANTED US PATENTS

100+
START-UP COMPANIES

\$625 MILLION+
RAISED TO TAKE UQ TECH TO MARKET

US\$16 BILLION+
IN GROSS PRODUCT SALES

200+
ACTIVE LICENCE AGREEMENTS



PAIN RELIEF RESEARCH

Professor Maree Smith, Director of the Centre for Integrated Preclinical Drug Development, has developed a revolutionary drug that is on its way to becoming a prescription medicine, with the potential to improve the lives of millions.

The oral medication, named EMA401, targets chronic nerve and inflammatory pain. Nerve pain affects between two and eight per cent of the adult population globally and is often difficult to treat, either because the pain is resistant to relief with currently available pain medications or patients can't tolerate the brain-related side-effects. Many pharmaceutical companies have left the novel pain medicine discovery field due to the high failure rate of drug candidates that showed promise in animal studies but did not alleviate nerve or chronic inflammatory pain in clinical trials. EMA401 could be the breakthrough that provides significant relief for many people suffering from nerve pain and chronic inflammatory pain.

Uniquist, UQ's commercialisation company, recognised the potential of Professor Smith's work early on and founded Spinifex Pharmaceuticals to launch the work on its journey to commercialisation.

In 2015, Spinifex Pharmaceuticals was acquired by global pharmaceutical company Novartis AG in what is thought to be one of the largest deals in Australian biotechnology history. This acquisition means that funding will be available for the large international clinical trials of EMA401 that are due to start soon. If they

go as planned, the drug is expected to be approved in the next few years. New painkillers like EMA401 are likely to have far-reaching potential for years to come. With no or minimal central nervous system side effects, EMA401 is expected to have a competitive advantage over existing pain treatments on the market.

“Drug development is a very long journey, so from the point of discovery until approval for doctors to prescribe can be 15 years or more. But the wait will be worth it once it's available for doctors to prescribe for the patients who need it most.”

PROFESSOR SMITH

2016 Distinguished Young Alumni Award winner and celebrity chef Ben Milbourne has partnered with UQ for his new cooking show Food Lab by Ben Milbourne.

UQ partners with local, national and international communities and organisations to create mutually beneficial partnerships.

CREATING CONNECTIONS



CEO of SLSQ John Brennan and UQ Vice-Chancellor Professor Peter Høj with SLSQ volunteers at the launch of a partnership between the two organisations to work on a range of programs including surf safety education and awareness and collaborative research.

ENGAGING CONNECTIONS

UQ understands the importance of relationships between industry, alumni and academia. These connections help UQ provide the teaching and learning, discovery and innovation that improve the lives of people worldwide.

Partnerships with national and international corporations are helping to build capacity for UQ to deliver impact through research collaborations, academic programs, endowed chairs and industry-funded scholarship schemes.

CONNECTING THROUGH SPORT

UQ fosters a number of sponsorships with sporting organisations, offering mutual benefits for research, teaching, and engagement.

Our partnerships with high-profile teams such as the Queensland Firebirds and the Brisbane Broncos give access to elite athletes for higher degree research student projects, and engagement with prospective rural, regional and Indigenous students.

CONNECTING WITH THE COMMUNITY

UQ's partnership with Surf Life Saving Queensland (SLSQ) directly supports several key programs designed to educate people from culturally diverse backgrounds about surf safety, develop young leaders within surf lifesaving, and increase participation in lifesaving across the state.

In partnership with UQ alumnus, MasterChef finalist and entrepreneur, Mr Ben Millbourne, UQ is co-producing the television series *Food Lab By Ben Millbourne*, in which Mr Millbourne and UQ researchers demonstrate scientific principles through cooking.



UQ graduate Jessica Orr secured a graduate engineering position at Boeing through the industry connections she made at UQ.

CONNECTING WITH ALUMNI AND DONORS

UQ maintains strong relationships with our global network of almost a quarter of a million alumni, whom we consider our greatest assets. UQ's generous philanthropic contributors and volunteers help us to ensure future generations of thought leaders and solution finders have access to an unparalleled education and research experience at UQ.

CONNECTING WITH INDUSTRY

Connections with national and international corporations are helping to build capacity for UQ to deliver impact through research collaborations, academic programs, endowed chairs and industry-funded scholarship schemes. UQ has entered into partnerships with a number of national and multi-national organisations.

UQ focuses our partnerships on the areas in which we can provide the greatest contribution.

250,000+
DIVERSE ALUMNI CREATING
POSITIVE CHANGE GLOBALLY

PARTNERSHIPS
WITH MERCK, PFIZER, THE DOW
CHEMICAL COMPANY, RIO TINTO,
BOEING, BAOSTEEL, VALE, EMORY
UNIVERSITY, THE BILL & MELINDA
GATES FOUNDATION, J+J, AND
MANY MORE

400+
INSTITUTIONAL PARTNERS
IN 50+ COUNTRIES

**CORPORATE
SPONSORSHIPS**
WITH BRISBANE BRONCOS,
QUEENSLAND FIREBIRDS,
SURF LIFE SAVING QUEENSLAND,
WORLD SCIENCE ACADEMY

CONNECTING THROUGH SPORT

The Brisbane Broncos are one of the most successful rugby league clubs in Australia; UQ is a leader in education, research and discovery. Together they are forging a culture of excellence and leadership across a range of disciplines.

The Brisbane Broncos and UQ entered into a landmark agreement in April 2015. The partnership recognises a shared dedication to shaping future leaders and a commitment to excellence.

Working with the Brisbane Broncos creates many opportunities for UQ undergraduate placements and access to elite athletes for higher degree research student projects.

The Broncos support UQ's Emerging Leaders program, and work with the University to engage with prospective students from rural and regional Queensland, as well as Aboriginal and Torres Strait Islander students.

With the help of UQ, the Broncos have been able to develop a high-performance research department tasked with identifying and leading the way in delivering key performance enhancement strategies.

The Broncos support three PhD research scholarships in the fields of talent development, sleep and recovery, and performance nutrition; eight Honours students across the School of Human Movement and Nutrition Sciences; and numerous practicum students working with both the club's NRL and National Youth Competition squads.

Broncos Chief Executive Officer Mr Paul White said, "Partnerships are about offering genuine opportunity, sharing knowledge and driving change.

"We have UQ interns working in all aspects of our business, from our performance sciences department, to media, game-day presentation and sponsorship.

"That gives us the opportunity to share best-practice learnings with students, while we have the chance to benefit from some dynamic new thinking from the student cohort as we strive for continual improvement."

"We have UQ interns working in all aspects of our business, from our performance sciences department, to media, game-day presentation and sponsorship."

PAUL WHITE

Brisbane Broncos coach Wayne Bennett puts players through their paces at UQ. The partnership between the Broncos and UQ creates opportunities for undergraduate internships and for postgraduate research projects.





FUTURE FOCUSED

During the next decade, UQ will continue to evolve in a dynamic environment – one dominated by globalisation, disruptive educational technologies and increased competition.

Learning programs will cement UQ's reputation as a world-class centre for higher learning.

Discovery programs will focus on improving UQ's global research leadership in key areas such as energy, sustainability, water, health and social equity.

Engagement initiatives will focus on contributions to global and local communities, intertwined with new and strengthened partnerships.

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PROFESSOR PETER HØJ



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