

RESEARCH



THE UNIVERSITY  
OF QUEENSLAND  
AUSTRALIA

Create change

# MESSAGE FROM THE Vice-Chancellor and President, and Deputy Vice-Chancellor (Research)

The University of Queensland has a proud reputation for creating change in the world through research, and our impact extends right across the globe.

Teaming with local and international partners, sponsors and colleagues, we work on inspiring projects every day - from science and sustainability to humanities and health.

So, to all our supporters: thank you! We could not have done it without you.



Professor Robyn Ward, Deputy Vice-Chancellor (Research) and Professor Peter Høj, Vice-Chancellor and President

## With your support, UQ teams have:



developed a cancer vaccine that can save an estimated  
**250,000**  
lives per annum



empowered  
**4 million**  
families to create the kind of environments where children can flourish



created a new drug for nerve pain and chronic inflammatory pain, resulting in Australia's biggest biotech deal to date



developed superconductor technology used in  
**two-thirds**  
of the world's MRI machines

## You help make UQ:



**a top 50**  
global university



**number 1**  
Australian institution in  
*Nature* Index (2015)



a leading research institution with  
**100%**  
of research at or above world standard (55% well above)



**number 1**  
recipient of ARC grants nationally (\$66.5 million for grants commencing in 2016)

## With your support UQ has:



grown industry funding for research  
**by 45%**  
since 2012



**seen 150+**  
UQ staff and professors emeriti become Fellows of Australia's learned academies



awarded  
**12,000+**  
PhDs since 1952 with 3118 in the last five years (2011-2015)



enrolled  
**4540**  
research higher degree students in 2015

**... and much more.**

## UQ RESEARCH EXCELLENCE Awards

We are proud to acknowledge the success of our emerging research 'stars' through the annual UQ Foundation Research Excellence Awards, but also pay respect to the many others behind the scenes who help make their achievements possible: see [uq.edu.au/researchweek](http://uq.edu.au/researchweek) for full details. Encouraged by a stellar record of success and the prospect of helping solve the world's great challenges, UQ people are aiming ever higher to deliver benefits to society and the environment worldwide. **UQ: create change.**



# RESEARCH IMPACT

From science and sustainability to health and humanities, UQ research has impact. Learn more, be inspired, and find out how we create change – right across the world, every day.

## DISCOVER

Asking the right questions, finding information and finding theoretical solutions

## ENGAGE

Exchanging knowledge, understanding and resources in a reciprocal context

## IMPACT

The contribution that research makes to the world and the lives of the people living in it

Learn more about the impact of UQ research across the world:

[uq.edu.au/research/impact](https://uq.edu.au/research/impact)

# RESEARCH AT UQ

The University of Queensland is one of Australia's premier research institutions, receiving \$385 million in research grants in 2015.

## A world-class research institution

UQ ranks in the world's top 50 as measured by the QS World University Rankings (46) and the Performance Ranking of Scientific Papers for World Universities (45). The University also ranks 52 in the *US News* Best Global Universities Rankings, 55 in the Academic Ranking of World Universities, and 60 in the *Times Higher Education* World University Rankings. UQ again topped the nation in the prestigious *Nature* Index, and was awarded more Australian Research Council funding (\$70.6 million) than any other Australian university in the 2015-16 financial year grant announcements.

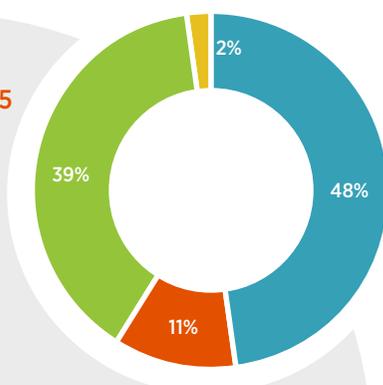
## Research quality

The third Excellence in Research for Australia (ERA) assessment, conducted in 2015, rated 100 per cent of UQ's research – evaluated across 22 broad fields of research and 97 specialised fields of research – as being at world standard or above.

- 95 per cent of UQ's broad fields of research were rated above or well above world standard, with 55 per cent receiving the highest rating of five
- UQ topped the nation in five fields: environmental engineering, environmental biotechnology, industrial biotechnology, tourism and social work
- UQ was also rated equal first in 58 broad and specialised fields, including engineering, medical and health sciences, statistics, business and management, and cultural studies.

## Research funding 2015

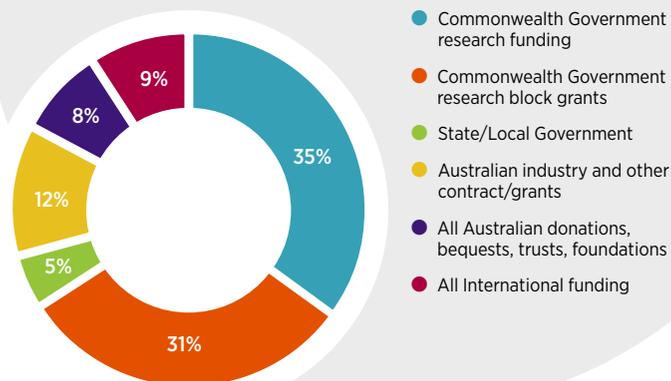
- Australian competitive grants
- Other public sector research funding
- Industry and other funding
- Cooperative Research Centres



| \$385 million total sponsored grants and contracts including: | \$million |
|---|-----------|
| Australian competitive grants                                 | 185.8     |
| Other public sector research funding                          | 43.1      |
| Industry and other funding                                    | 149.5     |
| Cooperative Research Centres (two new centres)                | 6.6       |

## Sources of UQ research support 2015

|   | \$million |
|---|-----------|
| Commonwealth Government research funding                | 196.5     |
| Commonwealth Government research block grants           | 171.1     |
| State/Local Government                                  | 28.7      |
| Australian industry and other contract/grants           | 64.9      |
| All Australian donations, bequests, trusts, foundations | 45.0      |
| All international funding                               | 49.9      |



## Commonwealth Research Block Grants 2015

|  | \$million |
|--|-----------|
| Joint Research Engagement  | 30.3      |
| JRE Engineering Cadetships (28 new places)                       | 0.5       |
| Research Infrastructure Block Grant                              | 28.4      |
| Sustainable Research Excellence                                  | 23.1      |
| Research Training Scheme   | 62.2      |
| Australian Postgraduate Awards (316 new places)                  | 24.6      |
| International Postgraduate Research Scholarships (30 new places) | 2.0       |

## UQ revenue 2015

|                         |                 |
|-------------------------|-----------------|
| Total Operating Revenue | \$1.71 billion  |
| Total Research Support  | \$556.1 million |

# RESEARCH AT UQ

## UQ fellowship honours 2015

|   |    |
|---|----|
| Australian Research Council (ARC) Laureate Fellows                          | 13 |
| NHMRC John Cade Fellowship  | 1  |
| Fellows of the Academy of Social Sciences in Australia                      | 43 |
| Fellows of the Australian Academy of Science                                | 35 |
| Fellows of the Australian Academy of Technological Sciences and Engineering | 31 |
| Fellows of the Australian Academy of the Humanities                         | 33 |
| Fellows of the Australian Academy of Health and Medical Sciences            | 16 |

## Education impact and training 2015

|  |               |      |
|--|---------------|------|
| Research Higher Degree students enrolled |               | 4540 |
| PhDs awarded                             | Domestic      | 378  |
|  | International | 287  |
| MPhils awarded                           | Domestic      | 58   |
|  | International | 25   |
|  |               | 83   |

## Research strengths

- Agriculture and Food Sciences
- Applied and Theoretical Economics
- Biological Sciences
- Business, Management and Finance
- Cancer Studies
- Chemical Engineering
- Chemical Sciences and Materials Engineering
- Clinical Sciences and Experimental Medicine
- Communication, Media and Cultural Studies
- Ecology and Environmental Science
- Education
- Environmental Engineering and Water Management
- Genetics and Genomics
- Human Movement and Sports Science
- Immunology and Infectious Diseases
- Information Systems and Data Management
- Law
- Literary Studies
- Mathematics and Statistics
- Mechanical Engineering
- Medicinal Chemistry and Pharmaceutical Sciences
- Mining and Minerals Processing
- Molecular and Cellular Biosciences
- Nanotechnology and Bioengineering
- Neurosciences
- Performing Arts and Creative Writing
- Physics
- Psychology and Cognitive Science
- Public Health and Health Services
- Social and Political Science

## Faculties and institutes

In partnership with government, industry and donors, UQ has developed globally recognised research institutes to complement the teaching and research activity in its faculties. The University also has more than 100 research centres and major university-wide research initiatives supporting the critical mass that enables UQ to tackle significant global challenges. Centres and institutes work in a range of disciplines from the biosciences and nanotechnology to sustainable development and social science.

### Faculties

- Business, Economics and Law (BEL)
- Engineering, Architecture and Information Technology (EAIT)
- Health and Behavioural Sciences (HABS)
- Humanities and Social Sciences (HASS)
- Medicine and Biomedical Sciences (MBS)
- Science

### Institutes

- Australian Institute for Bioengineering and Nanotechnology (AIBN)
- Global Change Institute (GCI)
- Institute for Molecular Bioscience (IMB)
- Institute for Social Science Research (ISSR)
- Mater Research Institute-UQ (MRI-UQ)
- Queensland Alliance for Agriculture and Food Innovation (QAAFI)
- Queensland Brain Institute (QBI)
- Sustainable Minerals Institute (SMI)
- UQ Diamantina Institute (UQDI)

# CONNECT WITH UQ RESEARCH

## Visit us online

Find out more about the research we do at UQ and how you can get involved – whether as student, research partner or donor.

[uq.edu.au/research](http://uq.edu.au/research)



## Study with us

With one of Australia's largest PhD cohorts, you'll be in good company when you study at UQ.

[graduate-school.uq.edu.au](http://graduate-school.uq.edu.au)



## Work with us

100 per cent of UQ research is at world standard or above – be part of this amazing outcome.

[researchers.uq.edu.au](http://researchers.uq.edu.au)



## Sponsor us

Help sustain research that's improving human health and the discovery of solutions for a better world.

[uq.edu.au/giving](http://uq.edu.au/giving)