

# 2016 UQ SNAPSHOTS

The University of Queensland (UQ) is one of Australia's leading teaching and research universities. For more than a century, UQ has educated and worked with outstanding people to deliver knowledge leadership for a better world. UQ's successes are embodied in a global network of more than 244,000 graduates in at least 170 countries and the millions of people worldwide who have benefited from UQ innovations.

## Governance

On 11 July 2016, former Secretary of the Department of Foreign Affairs and Trade **Peter N Varghese AO** took on the role of Chancellor, following John Story AO's retirement on 31 December 2015 after seven years of service. Deputy Chancellor Dr Jane Wilson acted as Chancellor from 1 January until 10 July, before resigning from Senate on 11 November 2016.

## Global excellence

In 2016, the excellence of UQ's performance was again confirmed by its high placement in global university rankings. UQ continued to rank well inside the world's top 100 universities in all key rankings.

In the *Times Higher Education World University Rankings*, UQ maintained its placing at 60th globally for the second year running, despite continued uncertainty in Australian higher education.

UQ gained 22 places to rank 55th globally and second in Australia in the prestigious Academic Ranking of World Universities (ARWU). This was UQ's best result since the annual ranking began in 2003.

In 2016, UQ ranked 51st globally in the QS World University Rankings, placed number one in Australia in the *Nature Index of Top Academic Institutions*, and was 52nd in the *U.S. News Best Global University Rankings*.

In the Performance Ranking of Scientific Papers for World Universities, UQ was ranked in the world's top 50, improving two places to rank 43rd globally and third in Australia.

UQ continued to be within the top 50 according to other measures, including 41st in the University Ranking by Academic Performance and 43rd in the CWTS Leiden Ranking (measured by impact indicator).

With a global ranking of 10, for the fifth consecutive year, *The Economist* ranked UQ's Master of Business Administration (MBA) as the number one MBA program in Australia and the Asia-Pacific and outside Europe and North America.

UQ is a member of the Group of Eight (Go8), a coalition of leading Australian universities, intensive in research and comprehensive in general and professional education. In November, it was announced that UQ's Vice-Chancellor and President **Professor Peter Høj** will be chair for 2017.

UQ is also one of only three Australian founding members of the global network of research-intensive universities, Universitas 21 (U21). During 2016, six UQ students were represented at U21 student experience events including the Undergraduate Research Conference in the UK, Summer School in China, Social Entrepreneur Corps in Ecuador and the Health Science Summer School in Chile.

## Learning excellence

UQ maintained its position of having won more Australian Awards for University Teaching than any university in the country, with eight awards in 2016. Five UQ academics won Citations for Outstanding Contributions to Student Learning: **Dr Saïed Aminossadati**, **Dr Lance Newey**, **Dr Phil Orchard**, **Professor Kenneth Pakenham**, and **Dr Judith Seaboyer**. **Professor Paul Mills** won an Award for Teaching Excellence (Biological Sciences, Health and Related Studies); and the University won two Awards for Programs that Enhance Learning: the **Pro Bono Centre** in the Educational Partnerships and Collaborations with Other Organisations category, and **UQ Three Minute Thesis** in the Postgraduate Education category.

Paralympic Games athletics classifier and HealthFusion coach **Dr Emma Beckman**, from the School of Human Movement

and Nutrition Sciences, was one of two recipients of a Universitas 21 Teaching Excellence Award, recognising her outstanding work in inter-professional education and supporting the next generation of exercise physiologists.

UQx maintained a notable footprint in edX, one of the world's leading not-for-profit consortiums of Massive Open Online Courses (MOOCs):

- registrations for UQx courses recently passed 1.32 million
- the number of courses launched by UQx in the three years since establishment in 2013 has also increased significantly (from seven in 2014, to 13 in 2015, and 22 in 2016)
- among charter members, UQx has the fifth most entries in the edX catalogue
- three of the 10 most popular edX courses are UQx courses: *English Grammar and Style*, *The Science of Everyday Thinking*, and *IELTSx* (being seventh, eighth, and tenth respectively).

The Faculty of Business, Economics and Law's Student Employability Team (BEL SET) won the 2016 employability category of the *Australian Financial Review Higher Education Award* in December.

Award completions 2016 <sup>1</sup>	
Higher Doctorate	2
Doctorate by research	731
Doctorate by coursework	16
Masters by research	91
Masters by coursework	2452
Postgraduate/Graduate Diploma	379
Graduate Certificate	699
Bachelors (Honours)	2384
Bachelors	5182
Associate Degree	25
Diploma/Associate Diploma (pre-AQF)	89
TOTAL	12,050

<sup>1</sup> Figures for 2016 are preliminary. Data will be finalised in mid-2017.

Total enrolments <sup>1</sup>				
	2013	2014	2015	2016 <sup>2</sup>
Full-time internal	39,908	41,867	41,958	42,105
Part-time internal	7153	7179	7244	7412
External	1743	1703	1628	1553
TOTAL	48,804	50,749	50,830	51,070
Female	55.4%	55.2%	55.0%	54.5%
Male	44.6%	44.8%	45.0%	45.3%

<sup>1</sup> Female and male percentages may not add up to 100 as persons classified as Other are not included.

<sup>2</sup> Figures for 2016 are preliminary. Data will be finalised in mid-2017.

Campus enrolments				
	2013	2014	2015	2016 <sup>1</sup>
St Lucia	41,737	43,599	44,474	45,128
Ipswich <sup>2</sup>	1731	1931	878	410
Gatton	2088	2089	2092	2060
Herston	3248	3130	3386	3472
TOTAL	48,804	50,749	50,830	51,070

<sup>1</sup> Figures for 2016 are preliminary. Data will be finalised in mid-2017.

<sup>2</sup> UQ transferred the UQ Ipswich campus to the University of Southern Queensland (USQ) on 7 January 2015; see page 56 for more information.

## Student excellence

UQ students, past and present, continued to succeed in the community. For example:

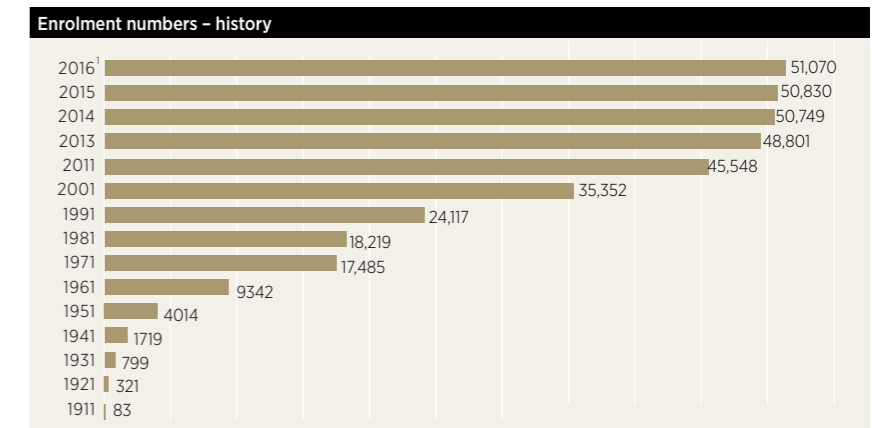
- Six undergraduate students from the School of Mathematics and Physics became the first Australian team to win entry into the International Physicists' Tournament, held in Paris in April.
- UQ Arts/Laws graduate **Abigael Mawby** won a 2016 General Sir John Monash Scholarship to study anti-corruption law at Columbia University in New York. **Timothy Delpont** and **Brett Parkinson** each won a 2017 General Sir John Monash Scholarship scholarship: they will be studying engineering science at the University of Oxford as part of their PhDs.
- Economics (honours) graduate **Belinda McEniery** won a Schwarzman Scholarship to study at the new Schwarzman College at Tsinghua University in Beijing. This inaugural and prestigious scholarship is designed to prepare its graduates to build stronger relationships between China and a rapidly changing world.
- UQ was the most successful university in the inaugural Westpac Future Leaders scholarships, with four students among



UQ's International Physicists' Tournament team with Vice-Chancellor and President Professor Peter Høj (centre), from left: Tomohiro Hashizume, Matthew Gray, Andrew Penton, Kwan Goddard Lee, Chris Chang and Ross Bennett.

Enrolment by program				
	2013	2014	2015	2016 <sup>1</sup>
Doctorate by research	3889	3975	4017	4063
Doctorate by coursework	85	75	68	47
Masters by research	472	472	523	509
Masters by coursework	6408	6735	7299	8327
Postgraduate/Graduate Diploma	844	868	747	707
Graduate Certificate	887	993	1146	1095
Bachelors	34,789	35,877	35,402	34,898
Associate Degree	92	65	102	103
Diploma/Associate Diploma	245	226	222	225
Enabling Course	259	318	336	335
Non-Award Course	834	1145	968	761
TOTAL	48,804	50,749	50,830	51,070

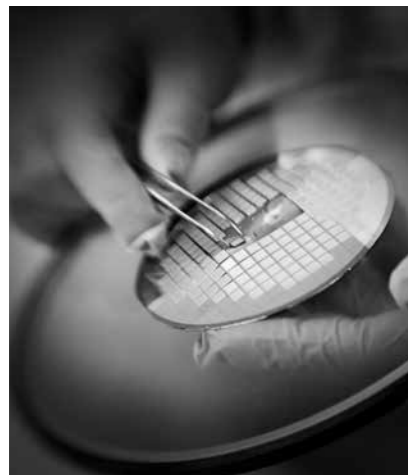
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Dr Judith Seaboyer from the School of Communication and Arts was one of five UQ academics to win a Citation for Outstanding Contributions to Student Learning in the Australian Awards for University Teaching.



Needle-free Nanopatch technology developed at UQ was used to successfully deliver an inactivated poliovirus vaccine in 2016.

the 17 Australian recipients; four other UQ students also received \$10,000 Westpac Asian Exchange Scholarships to support their interest in Asia and help develop their global leadership skills.

### International students

International enrolments from more than 141 countries made up 26.1 per cent of the student population in 2016, providing enhanced learning and cultural experiences for all UQ students and the broader community. International enrolments generated \$385.5 million in income for the University, including \$202.2 million from undergraduate students, \$139.1 million from postgraduate students, \$7 million from non-award students, \$12.7 million from Research Higher Degree students, and \$24.4 million from the Institute of Continuing and TESOL Education. The export business UQ generates supports the local economy, and the University has contributed greatly.

UQ is a university of choice for international students, being in the top 100 of the four most influential global rankings (Academic Ranking of World Universities, QS World University Rankings, *Times Higher Education* World University Rankings, and *U.S. News* Best Global Universities Rankings).

### Discovery excellence

UQ maintained its strong reputation as one of Australia's top research-intensive universities in 2016.

UQ was awarded the maximum five-star rating for research grants and research intensity in the *Good Universities Guide 2016*, with the University's reputation for research excellence underpinned by its 55th global ranking in the Academic Ranking of World Universities—the most influential global university ranking. UQ again topped the nation in the prestigious *Nature* Index, which rates institutions and countries according to the number and quality of research publications.

Internationally, UQ's research community continued to excel in quality and impact, contributing solutions to some of the great challenges of our time. Innovators have made genuinely life-changing advances. As of 2016, the life-saving Gardasil® and Cervarix™ cervical cancer vaccines developed at UQ are available in more than 130 countries, and more than 187 million doses of the HPV vaccines have been distributed worldwide. The Triple P – Positive Parenting Program has reached more than four million children and their families; it is used in 25 countries, having been translated from English into 19 other languages; and is ranked as the number one parenting program in the world by the United Nations. GroundProbe mine-safety

technology is used by some of the world's largest mining companies on more than 150 sites in 19 countries, and UQ image correction technology is used in two-thirds of the world's magnetic resonance imaging (MRI) machines.

In September, The Boeing Company announced that the Brisbane Technology Centre of Boeing Research and Technology will relocate to UQ's St Lucia campus in early 2017. While the major focus of the relationship with Boeing primarily involves collaborative research, Boeing also provides a wide range of support for undergraduate programs.

The prestigious AusBiotech and Johnson & Johnson's Innovation Industry Excellence Awards recognised Protagonist Therapeutics as Australian Company of the Year. A clinical-stage biopharmaceutical company, Protagonist Therapeutics is founded on research from UQ's Institute for Molecular Bioscience and develops oral drugs for the treatment of gastrointestinal disorders such as Inflammatory Bowel Disease.

Needle-free Nanopatch technology developed at The University of Queensland has been used to successfully deliver an inactivated poliovirus vaccine. This breakthrough was done in collaboration with the World Health Organization, the US Centers for Disease Control and Prevention, and vaccine technology company Vaxxas.

In recognition of UQ's global plant breeding systems expertise, the Bill & Melinda Gates Foundation awarded a \$3.8 million grant to the Queensland Alliance for Agriculture and Food Innovation (QAAFI) and the School of Agriculture and Food Sciences to assess plant breeding programs in developing countries, in order to identify the best avenues to improve them.

An industry-supported \$10 million biopharmaceutical initiative will be established at The University of Queensland to train the next generation of scientists and enhance Australia's capabilities in the pharmaceutical sector. The Australian Research Council (ARC) Industrial Transformation Training Centre for Biopharmaceutical Innovation is the result of ARC funding, and cash and in-kind contributions from industry partners.

UQ was awarded two of the ARC's 16 Australian Laureate Fellowships commencing in 2016, and was second nationally on total funds awarded (\$5.8 million). UQ's new Australian Laureate Fellows are **Professor Alan Rowan** from the Australian Institute for Bioengineering and Nanotechnology, and **Professor Paul Burn** from the School of Chemistry and Molecular Biosciences. These prestigious fellowships support excellence in research by attracting

world-class researchers and research leaders to key positions in Australia.

This year, UQ officially commenced its participation in the Science in Australia Gender Equity (SAGE) Pilot. The Pilot aims to address the under-representation of women in science, technology, engineering, mathematics and medicine (STEMM) disciplines using a rigorous evidence-based accreditation framework.

### Engagement excellence

In 2016, UQ continued to engage its alumni by keeping them connected through global alumni networks, keeping them informed about exciting new research developments, and maintaining their confidence in the intellectual standards and academic rigour of their alma mater.

UQ alumni continued to epitomise the University's vision of knowledge leadership for a better world, with leaders in government, law, science, sport, commerce and the arts all making a difference around the world. Highlights in 2016 included:

- **The Honourable Dame Quentin Bryce AD CVO** was named a Queensland Great for her lifetime of public service, including as Governor of Queensland and as Australia's first female Governor-General.
- **Mark Sowerby** was announced as Queensland's first Chief Entrepreneur. The founder of Blue Sky Alternative Investments Ltd was appointed by Premier Anastacia Palaszczuk to the Advance Queensland role, which is the first of its kind in Australia.
- **Selena Uiibo**, an Indigenous community leader and 2010 UQ valedictorian, was elected as the Member for the Division of Arnhem. She was also the recipient of a 2016 Distinguished Young Alumni Award.
- **Dami Im** secured Australia second place in the Eurovision Song Contest in May. This is the latest in a line of accomplishments for Dami, who won the 2013 *X Factor* and went on to release an ARIA chart-topping single and album.
- **Tim Munro** took home his third Grammy when he won the 2016 award for best chamber music performance.
- **Kathryn Fagg** was appointed as the 16th President of Chief Executive Women (CEW).
- **Dr Heather Smith PSM** was appointed Secretary to the Australian Government Department of Communication and Arts.
- **Dr Andrew Liveris AO** was chosen by US President-elect Donald Trump to head the American Manufacturing Council—a private sector group that advises the US Secretary of Commerce.

- **Kate Carnell** became Australia's first Small Business and Family Enterprise Ombudsman.
- **Professor Ian Harper** was appointed to the Reserve Bank of Australia Board, bringing the number of UQ alumni currently serving on the nine-person Board to three.
- **Virginia Greville** was appointed as the new CEO of Trade & Investment Queensland.

The University's success in building relationships with alumni, industry and the community was productive for philanthropy this year, with \$37.3 million raised. In 2016, Annual Giving comprised more than 70 per cent of the total number of gifts to UQ: collectively these many small gifts provided vital support for students, teaching initiatives and research. The UQ telephone engagement campaign also resulted in more than 1000 gifts to the University, 53 per cent of which were from first-time donors.

2016 saw the launch of the UQ Global Strategy and Partnerships Seed Funding Scheme, along with a wide range of international initiatives such as conferences, visits, partnerships and symposiums.

Secondary school liaison remained a key feature of the University's strategy for influencing student choice for UQ. Open Days, school visits, scholarly programs, campus tours, teacher and guidance officer training, student mentoring and hands-on experience days were just some of the activities undertaken.

News dissemination also remained a key focus, with more than a million views of *UQ News* stories alone. Other media channels included the University's Facebook, Twitter, Snapchat and Instagram accounts, official speeches and letters, blogs, video news items and academic articles in *The Conversation*.



2010 UQ valedictorian graduate and 2016 Distinguished Young Alumni Award winner Selena Uiibo was elected as the Member for the Division of Arnhem in 2016.

Most popular UQ news stories for 2016		
Month	Story	Page views
January	Laundry founders named Young Australians of the Year	2490
February	Native grass could be key to super thin condoms	2064
March	Cream of the crop kickstart their careers at UQ	3001
April	Breakthrough may stop multiple sclerosis in its tracks	7167
May <sup>1</sup>	The world found Nemo, but can we save him?	9451
June	Barrier Reef rodent declared extinct due to climate change	12,725
July	New sports fields or car parks – how about both?	2245
August	Six new degree programs for 2017	5742
September	UQ triggers reef fish colour vision study	3622
October	Food vans here to help UQ students with exam study	2771
November	Vale Emeritus Professor John Hay AC (21 September 1942 – 3 November 2016)	16,386
December	UQ confirms Vitamin D link to autism traits	6093
<b>TOTAL</b>	<b>(all stories for year)</b>	<b>1,099,656</b>

<sup>1</sup> A guide to 'Stralyan-English', an opinion piece published on the UQ blog *Small change* (small-change.uq.edu.au) had 5694 views in May.