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Thomson Reuters Honors Australia's Leaders in Research and Innovation

Australia's Top Researchers and Most Innovative Organizations Are Recognized at the 2015 Thomson Reuters Australian Citation & Innovation Awards

MELBOURNE, AUSTRALIA, June 23, 2015 – The [IP & Science business of Thomson Reuters](#), the world's leading provider of intelligent information for businesses and professionals, today is honoring 43 Australians and eight institutions leading scientific research and innovation in Australia at the [2015 Thomson Reuters Australian Citation & Innovation Awards](#). The event is taking place at the University of Melbourne and recipients will receive the latest Thomson Reuters paper on innovation and science in the region: "Australian Research & Innovation."

Research recipients span myriad areas including astronomy, the environment, oncology, technology and others. Institutional honorees fall within seven categories, separated into large and small-to-medium sized organizations, government institutions, universities and most collaborative organizations. The awards are based on a proprietary methodology and analysis of Thomson Reuters data that recognizes domestic innovation and significant research contributions originating in Australia.

"We are very pleased to have the opportunity to honor the individuals and institutions making significant contributions in Research & Innovation," said Jeroen Prinsen, senior director for Australia and New Zealand, Thomson Reuters. "Australia plays an important role in the global scholarly and commercial ecosystem and it is through the use of Thomson Reuters data that we are able to qualify and quantify this contribution, and give credit where credit is due. Congratulations to all of today's honorees."

The scientific research awards are part of Thomson Reuters Citation Awards and are determined by analyzing the volume and impact of a researcher's contribution to his/her subject area. The recipients were selected using a quantitative process identifying the average number of citations their research generated over a period of time, as indexed in the Thomson Reuters *Web of Science*[®]. This covers all articles, reviews and proceedings papers with at least one Australia-based author. The average citation, in turn, reflects its impact and influence on the given subject and the importance attached to it by subsequent research.

The fields from which the Citation Awardees were drawn represent national strengths, either because of the size of the Australian contribution to the global body of knowledge or because of its impact. The wide range of subject areas covered – from astronomy & astrophysics, ecology, and environmental studies to economics, neurosciences and psychology – is an illustration of the strength and diversity of academic research in Australia and a reflection of the innovation inherent among the country's scientists.

The topical areas and recipients of the **2015 Thomson Reuters Citation Awards** are:

- **Topic: G Protein-Coupled Receptor Allosteric Sites**
Honorees:
Professor Arthur Christopoulos, Drug Discovery Biology, Monash University
Professor Patrick Sexton, Drug Discovery Biology, Monash University
Dr. Celine Valant, Drug Discovery Biology, Monash University



- **Topic: Effects of Climate Change on Habitat Loss and Conservation Decisions**

Honorees:

Dr. Jane Elith, School of Botany, University of Melbourne

Professor Antoine Guisan, Now at University of Lausanne

Dr. Tara Martin, Centre of Excellence for Environmental Decisions, CSIRO Ecosystem Sciences, CSIRO

Dr. Eve McDonald-Madden, Centre of Excellence for Environmental Decisions, University of Queensland

Professor Hugh Possingham, Centre of Excellence for Environmental Decisions, University of Queensland

- **Topic: Severe Plastic Deformation on Materials**

Honorees:

Professor Juri Estrin, Department of Materials Science Engineering, Monash University

- **Topic: Molecular Triggers of Cell Necrosis and Applications for Cancer Treatment**

Honorees:

Holly Anderton, Walter and Eliza Hall Institute of Medical Research, LaTrobe University

Professor Peter Colman, Walter and Eliza Hall Institute of Medical Research, University of Melbourne, LaTrobe University

Dr. Doug Fairlie, Walter and Eliza Hall Institute of Medical Research, University of Melbourne

Professor David Huang, Walter and Eliza Hall Institute of Medical Research, University of Melbourne

Dr. Seong Lin Khaw, Walter and Eliza Hall Institute of Medical Research

Dr. Erinna Lee, Walter and Eliza Hall Institute of Medical Research, University of Melbourne

Professor Andrew Roberts, Walter and Eliza Hall Institute of Medical Research, University of Melbourne

Dr. John Silke, Walter and Eliza Hall Institute of Medical Research, LaTrobe University

Professor David Vaux, Walter and Eliza Hall Institute of Medical Research, University of Melbourne, LaTrobe University

Professor Andreas Strasser, Walter and Eliza Hall Institute of Medical Research, University of Melbourne

Dr. James Vince, Walter and Eliza Hall Institute of Medical Research, University of Melbourne, LaTrobe University

- **Topic: BRAF-Mutated Melanoma**

Honorees:

Professor Rick Kefford, Melanoma Institute Australia, Macquarie University

Associate Professor Georgina Long, Melanoma Institute Australia, University of Sydney

Professor Grant McArthur, Melanoma Institute Australia, Peter MacCallum Cancer Centre

Professor Richard Scolyer, Melanoma Institute Australia, University of Sydney



- **Topic: Drought and Tree Mortality**
Honorees:
Associate Professor Tim Brodribb, Environmental Change Biology, University of Tasmania
Dr. Brendan Choat, Hawkesbury Institute for the Environment, University of Western Sydney
- **Topic: Murchison Widefield Array (MWA)**
Honorees:
Professor Frank Briggs, CAASTRO, ARC Centre of Excellence for All-Sky Astrophysics, Australian National University
Professor Bryan Gaensler, CAASTRO, ARC Centre of Excellence for All-sky Astrophysics, Now at University of Toronto
Dr. Daniel Mitchell, CAASTRO, ARC Centre of Excellence for All-Sky Astrophysics, CSIRO
Professor Steven Tingay, CAASTRO, ARC Centre of Excellence for All-Sky Astrophysics, Curtin University
Mr Mark Waterson, Curtin Institute of Radio Astronomy, Curtin University
Dr. Randall Wayth, CAASTRO, ARC Centre of Excellence for All-Sky Astrophysics, Curtin University
Professor Rachel Webster, CAASTRO, ARC Centre of Excellence for All-Sky Astrophysics, University of Melbourne
Professor Stuart Wyithe, CAASTRO, ARC Centre of Excellence for All-Sky Astrophysics, University of Melbourne
- **Topic: Tectonic Setting of the North and South China Cratons**
Honorees:
Professor William L Griffin, ARC National Key Centre for Geochemical Evolution and Metallogeny of Continents (GEMOC), Macquarie University
Professor Zheng-Xiang Li, Curtin Applied Geology, Curtin University
Professor Sue O'Reilly, ARC National Key Centre for Geochemical Evolution and Metallogeny of Continents (GEMOC), Macquarie University
Professor Simon Wilde, Curtin Applied Geology, Curtin University
- **Topic: Digital Media, Gambling and Addiction**
Honorees:
Professor Paul Delfabbro, University of Adelaide
Dr. Daniel King, University of Adelaide
- **Topic: Language Role in Social Interactions**
Honoree:
Associate Professor Michael Haugh, Griffith Centre for Cultural Research, School of Languages and Linguistics, Griffith University



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- **Topic: Luminescence Dating Of Archaeological Deposits**

Honorees:

Dr. Zenobia Jacobs, Centre for Archaeological Science (CAS), University of Wollongong

Professor Richard G Roberts, Centre for Archaeological Science (CAS), University of Wollongong

David Brown, global head of sales and service for the IP & Science business of Thomson Reuters, is to deliver the keynote address, in addition to presentations made by Andrew Shook, general manager of innovation and technology platforms, Rio Tinto; Jean-Francois Desvignes-Hicks, solutions consultant, Thomson Reuters; and, Nicholas Solomon, solutions consultant, Thomson Reuters.

In addition to the 43 Australian Citation Awardees, eight organizations received the **2015 Thomson Reuters Australian Innovation Awards**:

- Large Corporate (Medical/Biotech/Life Science/Science): **RESMED Ltd**
- SME Corporate (Medical/Biotech/Life Science/Science): **EnGeneIC Ltd**
- Large Corporate (Other Technology/Mechanical/Engineering): **Technological Resources Pty Ltd (subsidiary of Rio Tinto)**
- SME Corporate (Other Technology/Mechanical/Engineering): **Quickstep Technologies**
- Government (or Government Funded): **ANSTO**
- Academic (University): **The University of Melbourne**
- Best Collaboration Award: **CSIRO and Grains Research Development Corporation**

"Innovation is a key driver of today's global economy. These institutions understand the value of protecting their intellectual assets and bringing them to market for commercial advantage," said Prinsen.

The methodology used to determine the 2015 Thomson Reuters Australian Innovation Award recipients was developed by Thomson Reuters and is based on the methodology of the Thomson Reuters *Top100 Global InnovatorsSM* program. The research and analysis was performed using Thomson Reuters *Derwent World Patents Index[®] (DWPISM)*, *Thomson Innovation[®]* and *Thomson Data Analyzer[®]*.

Criteria used to assess the level of innovation of candidate institutions and companies include:

- **Size of patent portfolio:** volume of Basic Inventions published over the most recent five years
- **Success rate:** ratio of published applications to granted patents over the most recent five years
- **Extent of globalization:** protecting an invention in major world markets indicates that the company places a significant value on those pieces of their intellectual property (IP); the Thomson Reuters Quadrilateral Patent Index[™] was calculated to create a ratio to show which entities place a high



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value on their IP portfolios. The quadrilateral authorities comprise the Chinese Patent Office, European Patent Office, Japanese Patent Office and the United States Patent & Trademark Office

- **Influence of the innovation:** as determined by international citations to the invention, i.e. how often the invention is subsequently cited on other patent applications

The most patent prolific collaborations between the top 10 ranked universities and companies (in terms of volume) in each category were analyzed using the methodology outlined above to determine the Best Collaboration Award recipient.

To learn more about the detailed methodology or the selection criteria for the 2015 Thomson Reuters Citation & Innovation Awardees, visit <http://ip-science.interest.thomsonreuters.com/ThomsonReutersCitationandInnovationAwards-anz>.

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