

Shine On



The Academy has a proud history of helping you to support Australian science to flourish.

New Annual Giving Program launched

Since the Academy was established in 1954, private gifts and bequests have enabled us to recognise and grow Australia's scientific excellence. We've created world-class education programs which are now ingrained in schools across Australia; we've recognised outstanding scientists for their contributions to the sum of human knowledge; we've engaged hundreds of thousands of Australians in conversations about science; and we've given generations of scientists opportunities to travel in the pursuit of knowledge and collaborations that have changed the world.

We thank you for your past donations, and are pleased to announce the

launch of our new Annual Giving Program that will enable us continue to nurture minds and expand horizons. Each time you make a gift through our annual appeal, you help us make science a vital, viable and visible presence in Australia. All tax-deductible donations, of any amount, are greatly valued and can make a considerable impact.

Donate at www.science.org.au/donate or call Isobel Griffin on 02 6201 9471.



SAGE Symposium

Science in Australia Gender Equity (SAGE) will host its inaugural symposium on 24 June 2016 at the National Maritime Museum in Sydney. More than 300 stakeholders across science, technology, engineering, mathematics and medicine (STEMM) are expected to attend.

The SAGE Symposium is the highlight of the SAGE Pilot of Athena SWAN in Australia, an equity and diversity evaluation and accreditation program that has seen significant results in the UK, and is now being trialled in Australia. Thirty-two of Australia's most respected STEMM organisations are taking part in the pilot, including universities, medical research institutes and publicly funded research agencies.

The SAGE Symposium is an opportunity for representatives of the participating institutions to network and learn about evidence-based solutions to enhancing gender equity in STEMM.

Universities Australia is our Principal Sponsor. As the voice of Australia's universities and strong supporters of gender equity in science, Universities Australia is a fitting partner for an event hosting representatives from across 25 of Australia's leading universities.

One of our Discover Sponsors, Ernst & Young, is working to accelerate gender parity with their #WomenFastForward and Put Gender on Your Agenda campaigns.

L'Oréal Australia, also a Discover Sponsor, is the leading beauty company in Australia. The L'Oréal-UNESCO For Women in Science program aims to promote the critical importance of ensuring greater participation of women in science.

Flinders University, celebrating its 50th anniversary this year, is not only a Discover Sponsor but is also participating in the SAGE Pilot of the Athena SWAN Charter.

The Australian National Maritime Museum brings in-kind support through the sponsored use of its beautiful harbourside venue.

SAGE gratefully acknowledges the contribution of its sponsors, each working to promote the cause of equity, diversity and the achievements of women in STEMM.





Science at the Shine Dome, May 2016

We are nearly at *Science at the Shine Dome*—*Human Plus*, a fantastic event that showcases our new Fellows and awardees. It truly is a celebration of Australian science. Sponsorship helps the Academy to engage with the broader science community and facilitate an early- and mid-career researcher program. We are grateful to our generous sponsors who help make these events possible.

PLATINUM SPONSOR

- Deakin University / Institute for Frontier Materials

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- Australian National Fabrication Facility

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- QUT—Institute of Health & Biomedical Innovation

EMCR SPONSORS

- Charles Sturt University
- CSIRO Office of the Chief Executive (x 4)
- Institute for Glycomics, Griffith University (x 2)
- Macquarie University (x 5)
- QUT—Institute for the Future Environments (x 4)
- University of Newcastle (x 2)
- University of South Australia (x 2)
- University of Wollongong (x 2)

- The Walter and Eliza Hall Institute for Medical Research
- Western Sydney University (x 2)

Special supporters' event

As part of the proceedings of *Science at the Shine Dome*, we are happy to announce that donors, supporters and family will be sharing lunch with award recipients.

The Christopher Heyde, Anton Hales, Gustav Nossal and John Booker medallists will meet with donors' family and supporters of their awards.

We will also be presenting the Inaugural John Booker Medal to Associate Professor Kylie Catchpole, and the 2016 John Booker medal to Dr Paolo Falcato. With this award the Academy acknowledges the generous financial support of the Group of Eight (Go8) Deans of Engineering and Associates.

Details of all our awards and their supporters are on the Academy website.

National Speaker Series explores life and death

While we embrace and celebrate new life and various milestones, the topic of death has become taboo. Our National Speaker Series, the Science of Life and Death, explores life and looks at how death affects us from the moment we start living: how we come into existence, prevent and create life, prolong the inevitable, and find unconventional ways to die. The series will start a national conversation about life, death and beyond.

The series consists of:

- DEATH in Hobart—27 June
- SEX in Melbourne—26 July
- MURDER in Brisbane—16 September
- LIFE in Perth—10 November
- IMMORTALITY in Adelaide—15 February 2017

We thank our supporters who have made it possible for us to take this unique series to a national audience. Visit www.science.org.au for more information and to purchase tickets.

Science of the everyday in Canberra Speaker Series

Our 2016 Speaker Series, 'Bots, Bacteria and Booze: Science of the Everyday', has had two terrific speakers so far with four more to come. We have also had a great response by our patrons to the series, with a number of them kindly giving a donation. These donations are used to bring these and more amazing science speakers to the Academy year on year. Thank you again to our donors and patrons of the Academy Speaker Series.

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Professor Hugh Durrant-Whyte, the first of this year's Canberra speakers

Celebrating outstanding Australian science

Rod Rickards Fellowships

Dr Anna Rickards met with the Academy's Isobel Griffin, Nancy Pritchard and Tanya Weston at the Shine Dome in February to view the Donor Board and discuss the Rod Rickards Fellowships, supported by Dr Rickards.

The Rod Rickards Fellowships were established in 2009 in honour of Professor Rod Rickards (1934–2007), one of the most important contributors to Australian science through his outstanding achievements in the chemistry of compounds of medical, biological, agricultural and veterinary importance.

Two to three Fellowships are awarded each year to outstanding early- and mid-career researchers undertaking research in Europe in the areas of chemistry or biology.

2016 Haddon Forrester King Medal dinner and lecture tour

The 2016 Haddon Forrester King Medal, sponsored by Rio Tinto, was presented in March to Professor Murray Hitzman for the application of science to both an understanding of the origin and the discovery of mineral deposits.



Professor Murray Hitzman, winner of the 2016 Haddon Forrester King Medal

The Haddon Forrester King Medal is awarded to scientists for original and sustained contributions to earth and related sciences. The award is for work of particular relevance to the discovery, evaluation and exploitation of mineral deposits, including the hydrocarbons.

Academy Vice-President, Professor C. Jagadish AC FAA FTSE awarded the medal at a special dinner at the Shine Dome. Professor Hitzman then spoke on 'The Central African copperbelt: evolution of genetic models for the world's largest sedimentary rock-hosted stratiform copper district'. Mr Gerard Rheinberger, Exploration Director, Rio Tinto, concluded the dinner with an appreciation of Professor Hitzman's work from an industry perspective.

Professor Murray Hitzman is the Charles Fogarty Professor of Economic Geology at the Colorado School of Mines. He is recognised internationally as an authority on base-metal deposits—in particular, iron-oxide-copper-gold type deposits.

A lecture tour was recently made possible through generous additional funding from Rio Tinto. As part of this tour, Professor Hitzman delivered lectures at Geoscience Australia, Monash University, James Cook University, the University of Western Australia, the University of Adelaide and the University of Tasmania.

Primary Connections and the Dahl Trust

Primary Connections is supported by partners who share our goals for science education in Australian primary schools. A recent initiative has been a partnership with the Dahl Trust whose aim is to promote a broader understanding and awareness of our iconic Australian trees, the eucalypts.



The Dahl Trust provided practical support for the development of a new curriculum unit by providing funding as well as expert advice to our authors. This collaborative project resulted in a new curriculum unit for teachers and supported the Dahl Trust's objective of educating the wider public—particularly school children—about eucalypts. *Among the Gum Trees* (Year 4, Biological Sciences) was published late in January and has so far sold more than 500 copies.

We are now working with the Dahl Trust to develop more resources for this unit.



Super Nova

Thanks to the generous support of Telstra, the Academy's 'Nova: science for curious minds' website continues to bring science to general audiences with its series of engaging, accurate and relevant explanations of scientific topics. With all topics reviewed by Academy Fellows or other experts, Nova is a trusted source of information.

Nova receives thousands of visits each week. There are now 60 topics on everything from nanoscience to the mathematics of voting, with upcoming features to include gene editing, quantum mechanics and zombies.

Donor roll of honour

All donations are acknowledged for a period of twelve months. This list is updated quarterly. Last updated 31 March 2016.

Academy Pillars

(Donations of or valued at \$500,000 + In perpetuity)

- Sir Jack Ellerton Becker FAA
- Estate of Thomas Lewis Davies
- Department of Communications, Information Technology and the Arts
- FJ Fenner AC CMG MBE FAA FRS and Mrs Bobbie Fenner
- Dr Margaret Middleton
- The Royal Society (UK)—Theo Murphy (Australia) Fund
- Estate of Ian Gordon Ross AO FAA
- Estate of Miss JG Russell
- Professor John Shine AO FAA
- Telstra

The Australian Academy of Science acknowledges the support of the following donors who gave generously over the past 12 months. Their support plays a critical role in helping the Academy achieve its mission.

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- Telstra Corporation

Science Circle

(Donations of or valued at \$20,000 – \$99,999)

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- Dr TJ Higgins FAA FTSE and Ms Peggy Horn
- Dr Anna Rickards
- Selby Scientific Foundation
- Anonymous 1

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(Donations of or valued at \$5,000 – \$9,999)

- Dr Eldon Ball
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- The late Professor John Swan AO FAA FTSE
- University of Wollongong

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Donors up to \$499

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To make a gift to the Academy please visit <https://www.science.org.au/support-us>, or for more information about giving to the

Academy through a donation or bequest, please contact:

Ms Isobel Griffin MFIA
Manager

Development and Stewardship
isobel.griffin@science.org.au
Phone: 02 6201 9471

NOTE: We have made every effort to ensure the accuracy of this report and sincerely apologise if any error or omission has occurred. To notify us that a correction is needed, please call the Academy on 02 6201 9400.