

COMPANION (AC) IN THE GENERAL DIVISION OF THE ORDER OF AUSTRALIA

Distinguished Professor James Langham DALE AO, Moggill QLD 4070

For eminent service to agricultural science, particularly through biological and biotechnological research and development, leadership, and to gene technology.

Queensland University of Technology

- Developer, genetically modified pro-vitamin-A-enriched bananas, since 2005.
- Developer, Panama Tropical Race 4 (TR4) disease-resistant Cavendish bananas, since 2017.
- Program Leader, Banana Biotechnology, Centre for Agriculture and the Bioeconomy, Faculty of Science (formerly Centre for Tropical Crops and Biocommodities), current.
- Partner, Syngenta Centre for Sugarcane Biofuels Development, since 2008.
- Leader, Grand Challenges in Global Health, Bill and Melinda Gates Foundation Project, since 2005.
- Distinguished Professor, since 2008.

Australian Research Council

- Chair, Biological Sciences and Biotechnology Panel, 2006.
- Member, College of Experts, 2004-2006.

Australian Academy of Technology and Engineering

- Member, Agriculture Forum, current.
- Fellow, since 2014.

Other

- Member, Gene Technology Technical Advisory Committee, Office of the Gene Technology Regulator, Department of Health, 2001-2007.

Awards and recognition include:

- Queensland Senior Australian of the Year, 2019.
- Queensland Great Award, Queensland Government, 2015.
- "Super Banana" named one of Time Magazine's 25 Best Inventions of 2014.
- Appointed an Officer of the Order of Australia, 2004.

COMPANION (AC) IN THE GENERAL DIVISION OF THE ORDER OF AUSTRALIA

Dr Alan Simon FINKEL AO, South Yarra VIC 3141

For eminent service to science, to national energy innovation and research infrastructure capability, to climate change and COVID-19 response initiatives, and to science and engineering education.

Office of the Chief Scientist, Department of Industry, Innovation and Science

- Chief Scientist of Australia, 2016-2020.
- Executive Officer, National Science and Technology Council, since 2016 (*formerly known as the Commonwealth Science Council*).
- Chair and Founder, Rapid Research Information Forum, since 2020 (*COVID-19 response*).

Other Government Appointments

- Special Adviser to the Australian Government for Low Emissions Technology, since 2021.
- Chair, Ministerial Reference Group, Technology Investment Roadmap, since 2020.
- Leader, Australian Government's Ventilator Taskforce, 2020 (*COVID19 response*).
- Deputy Chair, Industry Innovation and Science Australia, since 2016.

Other Appointments

- Chair, Selection Committee, Prime Minister's Prize for Science, since 2013.
- Member, STEM Academy Strategic Advisory Board, University of Sydney, since 2014.
- Member, National Climate Science Advisory Committee, since 2017.
- Member, ARC Engagement and Impact Steering Committee, 2016-2017.
- Plenary Speaker, 6th World Congress on Research Integrity, Hong Kong, 2019.
- President, Australian Council of Learned Academies, 2015.

Reviews

- Chair, Expert Advisory Panel, Climate and Disaster Resilience Report, since 2020.
- Chair, National Hydrogen Strategy Review, 2018-2019.
- Co-Chair, The Innovation Metrics Review, 2019.
- Chair, STEM Partnerships Forum Report Response, 2018.
- Chair, Independent Review into the Future Security of the National Electricity Market (Finkel Review), 2017.
- Chair, National Research Infrastructure Roadmap, 2016.
- Co-Chair, Research and Development Tax Incentive Review, 2016.
- Member, Climate Change Authority Review, 2016.

Philanthropy

- Chairman, Trustees of the Finkel Foundation, since 2002.
- Benefactor, Australian Academy of Science, current.

Business

- Chair, Stile Education, since 2021 and Founder and Chief Executive Officer, 2012-2015.
- Executive Chairman, Manhattan Investment Group, since 2004.

COMPANION (AC) IN THE GENERAL DIVISION OF THE ORDER OF AUSTRALIA

Professional Affiliations

- Patron, Banksia Foundation, since 2021.
- Patron, In2Science, since 2011.
- Patron, Australian Course in Advanced Neuroscience, since 2012.
- Patron, Australian Science Media Centre, since 2012.
- Member, Australian Neuroscience Society, current.
- Member, American Society for Neuroscience, current.
- Honorary Fellow, Engineers Australia, 2016.
- Fellow, Australian Academy of Health and Medical Sciences, since 2015.
- Fellow, Institute of Electrical and Electronic Engineers (IEEE), USA, current.
- Fellow, National Academy of Inventors, USA, current.
- Fellow, Australian Academy of Science, current.
- Fellow, Australian Academy of Technology and Engineering, current.
- Fellow, ASEAN Academy of Engineering and Technology, current.
- Bragg Member, Royal Institution of Australia, current.
- Trustee, Royal Society of Victoria, current.

Awards and recognition include:

- Appointed an Officer of the Order of Australia, 2014.
- David Dewhurst Award for Biomedical Engineering Excellence, 2019.
- Joseph F Keithley Award in Instrumentation and Measurement, 2019.
- Peter Nicol Russell Memorial Medal, Engineers Australia, 2018.
- Doctor of Letters, Macquarie University, 2018.
- Doctor of Law, Monash University, 2017.
- M A Sargent Medal, Electrical College of Engineers Australia, 2016.
- Victorian of the Year, 2016.
- Mountbatten Medal, Institution of Engineering and Technology, 2015.

COMPANION (AC) IN THE GENERAL DIVISION OF THE ORDER OF AUSTRALIA

Distinguished Professor Jennifer Marshall GRAVES AO, Eltham VIC 3095

For eminent service to science, particularly through leadership and research in evolutionary genetics, to international and national professional societies, for science education in schools, and as a mentor and role model for women.

La Trobe University

- Distinguished Professor of Genetics, since 2011.
- Vice-Chancellor's Fellow, since 2017.

Research and Publications

- Evolutionary geneticist, whose research has led to new theories of the origin and evolution of human sex chromosomes and sex determining genes.
- Member, Working Party, Earth Biogenome Project, current.
- Trustee and former Council Member, Vertebrate Genome Project, current.
- Founding Member, Genome 10k, 2012-2016.
- Author/Co-Author, 80 works, since 2010.
- Member, Editorial Board, *Genome Biology*, since 2009.

Australian Academy of Science

- Foreign Secretary, 2006-2010.
- Secretary for Education and Public Affairs, 2010-2013.
- Council Member, 2006-2013.

Education Other

- Thinker-in-Residence, Institute of Applied Ecology, University of Canberra, since 2011.
- Council Member, National Youth Science Forum, since 2015.
- Professor Emeritus, Australian National University, since 2011, and Professor, Research School of Biological Sciences, 2001-2011.
- Professorial Fellow, University of Melbourne, 2001-2015.
- Member, Advisory Board, Choose Maths, 2015-2021.
- Contributor, school science programs and festivals.
- Founding Member, Special Committee for Women in Science and Engineering, Association of Academies and Societies of Sciences in Asia.

Advisory Boards

- Member, Strategic Advisory Committee, Chinese Academy of Science, Institute of Zoology, since 2020.
- Member, Advisory Board, Allan Wilson Centre for Ecology and Evolution, NZ, 2009-2016.
- Member, Advisory Board, Centre for Reproductive Genomics, Otago-AgResearch, NZ, 2008-2011.

COMPANION (AC) IN THE GENERAL DIVISION OF THE ORDER OF AUSTRALIA

Awards and Recognition include:

- Elected Fellow, Royal Society of Victoria, 2020.
- Honorary Doctor of Science, Australian National University, 2019.
- Elected International Member, National Academy of Sciences, USA, 2019.
- Julian Wells Medal, Lorne Genome Conference, 2017.
- Prime Minister's Prize for Science, 2017.
- Appointed an Officer of the Order of Australia, 2010.

COMPANION (AC) IN THE GENERAL DIVISION OF THE ORDER OF AUSTRALIA

Professor Ary Anthony HOFFMANN, Clifton Hill VIC 3068

For eminent service to science, particularly evolutionary biology and ecological genetics, through research, mentoring and education, and to professional scientific organisations.

Bio21 Molecular Science and Biotechnology Institute, University of Melbourne

- Group Head and Chair of Ecological Genetics, current.

School of Biosciences, University of Melbourne

- NHMRC Principal Research Fellow, current.
- Australian Research Council, Australian Laureate Fellow, 2011-2015.
- Australian Research Council, Federation Fellow, 2005-2010.
- Director, CESAR Australian Research Council Special Research Centre, 2000-2008.

CESAR (Centre for Environmental Stress and Adaptation Research), La Trobe University

- Professor (personal chair), 1998-2004.
- Director, 2000-2004.

Department of Genetics and Human Variation, La Trobe University

- Professor, 1999 to 2005.
- Reader, 1992-1997.
- Senior Lecturer, 1989-1991.
- Lecturer, 1985-1989.

Academia - Other

- Visiting Professor: Aalborg University Denmark, University of Liverpool, Chinese Academy of Agricultural Sciences, and Jiangsu Academy of Agricultural Science.
- Postdoctoral Research Fellow, Department of Genetics, University of California at Davis, 1984-1985.

Grains Research and Development Corporation

- Former Principal Lead Researcher, Grain Pest Advisory Committee.
- Former Member, National Invertebrate Pest Initiative.
- Former Member, National Insect Resistant Management Sub-Committee.

Committee and Advisory Roles

- Detailed Assessor, Research applications, Australian Research Council, since 2003.
- President, Australian Entomological Society, 2010-2012.
- President, Genetics Society of Australasia, 2004-2006.
- Member, International Union for the Conservation of Nature's (IUCN) Climate Change Specialist Group.
- Former Vice-President, Society for the Study of Evolution, United States of America.

COMPANION (AC) IN THE GENERAL DIVISION OF THE ORDER OF AUSTRALIA

Fellowships

- Elected Fellow, Australian Academy of Science, 2004.
- Elected Foreign Fellow, American Academy of Arts and Sciences, 2016.

Author and Publications

- Author of over 750 published papers.
- Author of three books including: *Evolutionary Genetics and Environmental Stress*, Oxford Science Publications, 1991.
- Member, Editorial Board, *Evolutionary Applications*, *Insect Science*, current.

Awards and recognition include:

- Distinguished Alumnus, LaTrobe University, 2021.
- MJD White Medal, Genetics Society of Australasia, 2019.
- Thomson-Reuters/Clarivate Highly Cited Researcher, Ecology and Evolution, 2018.
- Thomson-Reuters/Clarivate Highly Cited Researcher, Plant and Animal Science, 2018.
- Honorary Doctorate, Aalborg University, Denmark, 2017.
- Eureka Prize, for Infectious Disease Research, Australian Museum, 2013.
- Storer Lectureship, by University of California, Davis, United States of America, 2013.
- Woodward Medal for Research, University of Melbourne, 2012.
- McAlpine Award, Department of Primary Industry, 2007.
- Mackerras Medal, Australian Entomological Society, 2004.
- Theodosius Dobzhansky Award, Society for the Study of Evolution, 1987.
- Young Investigator Prize, American Society of Naturalists, 1987.

COMPANION (AC) IN THE GENERAL DIVISION OF THE ORDER OF AUSTRALIA

Dr Graeme MOAD, Sassafras VIC 3787

For eminent service to science, particularly polymer design and synthesis and radical polymerization, education through mentoring, and to professional scientific organisations.

Commonwealth Scientific and Industrial Research Organisation (CSIRO)

- CSIRO Fellow, since 2015.
- Project Leader, More Energy Efficient Smart Windows, RAFT Electrochemistry, and Strategic Polymer Synthesis, current.
- Chief Research Scientist, 1999-2015.
- Senior Principal Research Scientist, 1993-1999.
- Principal Research Scientist, 1988-1993.
- Senior Research Scientist, 1982-1988.
- Research Scientist, 1979-1982.

Polymer Division, Royal Australian Chemical Institute

- Chairman, 1999-2001.
- Chairman Elect, 1998-1999.
- Secretary, 1996-1998.
- Fellow, since 1992.

Pacific Polymer Federation

- Councillor for Australia, 2003-2011.
- Vice-President, 2006-2008.

International Union of Pure and Applied Chemistry

- Australian Representative, Polymer Division, current.
- Titular Member, 2011-2014.
- Associate Member, 2015-2021.
- Member, subcommittees for Polymer Terminology, Modelling of Polymerization Kinetics and Processes, and Polymer Education, current.
- Polymer Division Representative, International Committee for Terminology, Nomenclature and Standards, current.

Education

- Adjunct Professor, Department of Materials Science and Engineering, Monash University, since 2012.
- Adjunct Professor, University of New England, 2014-2019.
- Fellow, Institute of Advanced Studies, Warwick University, UK, since 2015.
- Honorary Professor, Beijing University of Chemical Technology, since 2015.

Research and Publications

- Researcher, Cooperative Research Centre for Polymers, 1992-2017.
- *The Chemistry of Radical Polymerization*, 1995, 2005 and 2022 (3rd edition submitted 2021).
- Author/Co-Author of over 200 publications.
- Co-inventor of 37 patent families.

COMPANION (AC) IN THE GENERAL DIVISION OF THE ORDER OF AUSTRALIA

Australian Academy of Sciences

- Fellow, 2012.

Australian Academy of Technology and Engineering.

- Fellow, 2021.

Awards and recognition include:

- David Craig Medal, Australian Academy of Science, 2020.
- Newton-Turner Award, CSIRO, 2015.
- Clunies-Ross Award, Australian Academy of Technology and Engineering, 2014 (Joint winner).
- Thomson Reuters Citation Laureate, 2014 (Joint winner).
- Battaerd-Jordon Polymer Medal, Polymer Division, Royal Australian Chemical Institute, 2012.
- Chairman's Award for Excellence in Commercialisation, Cooperative Research Centre for Polymers, 2008, 2004 and 2003.

COMPANION (AC) IN THE GENERAL DIVISION OF THE ORDER OF AUSTRALIA

Dr Helen Marion NUGENT AO, Darling Point NSW 2027

For eminent service to people with disability through leadership of social and economic policy reform and implementation, to business, to the arts, and to the community.

Disability and Health

- Chairman, National Disability Insurance Agency, since 2017.
- Director, Garvan Institute for Medical Research, since 2014.

National Portrait Gallery

- Chairman, since 2011.
- Director, since 2009.
- Member, Foundation Board, current.

Cranbrook School

- President, 2010-2016.
- Director, 1993-2016.

Education - Other

- Chancellor, Bond University, 2009-2016.
- Member, Bradley Review, 2008.
- Member, AGSM and Australian Business School Advisory Council, 2004-2009.

Corporate Governance

- Member, ASX Corporate Governance Council, 2013-2016.
- Member, Director Advisory Panel, Australian Securities and Investments Commission, 2013-2016.

Non-Executive Director Roles

- Chairman, Ausgrid, since 2017.
- Chairman, Australian Rail Track Corporation, 2015-2018.
- Chairman, Veda Group, 2013-2017.
- Chairman, Funds SA, 2000-2015.
- Chairman, Swiss Re (Australia) (Life & Health), 2001-2010.
- Chairman, Swiss Re (Australia), 2001-2005 and Member, Advisory Board, 2005-2010.
- Interim Executive Chairman, Hudson Australia, 2006-2008.
- Non-Executive Director, TPG Telecom, since 2020.
- Non-Executive Director, IAG, since 2016.
- Non-Executive Director, Macquarie Group and Macquarie Bank, 1999-2014.
- Non-Executive Director, Origin Energy, 2003-2017.
- Non-Executive Director, Freehills, 2003-2013.
- Non-Executive Director, Economic Development Board of South Australia, 2004-2010.

COMPANION (AC) IN THE GENERAL DIVISION OF THE ORDER OF AUSTRALIA

Community and The Arts

- Chairman, National Opera Review, 2015-2016.
- Member, Australian Olympic Foundation, since 2011.
- Member, Council for Multicultural Affairs, 2000-2006.
- Member, Chief Executive Women, since 1994.
- Member, Harvard Club of Australia, since 1992.

Awards and recognition include:

- Appointed an Officer of the Order of Australia, 2004.
- Centenary Medal, 2001.
- Honorary Doctorate, Bond University, 2018.
- Honorary Doctorate in Business, University of Queensland, 2009.
- Richard Pratt Business Arts Leadership Award, 2013.
- Order of Merit by Australian Olympic Committee, 2021.

COMPANION (AC) IN THE GENERAL DIVISION OF THE ORDER OF AUSTRALIA

Mr John Malcolm WYLIE AM, Elsternwick VIC 3185

For eminent service to the community through leadership in the sporting, cultural, philanthropic and business sectors.

Sports Australia (formerly Australian Sports Commission) including Australian Institute of Sport

- Chair, 2012-2020.
- Led board agenda to advance women's sport, Paralympic sport and reform of national sports organisations.

Sports Appointments

- Chair, Melbourne Cricket Ground Trust, 1998-2013.
- Chair, Melbourne Cricket Ground Redevelopment Steering Committee for 2006 Commonwealth Games, 2000-2006.
- Board Member, Victorian Olympic Council Finance Committee, 2009-2013.
- Deputy Chair, Melbourne Stars Big Bash Cricket League franchise, 2012-2019.

John and Myriam Wylie Foundation

- Co-Founder and Director, since 2011.
- Founder, Tanarra Philanthropic Advisers, 2017.
- Benefactor, State Library Victoria, 2016.
- Benefactor, Boisbouvier Chair, Australian Centre, Faculty of Arts, The University of Melbourne, 2015.
- Benefactor, Queensland Rhodes Scholarship, 2013.
- Supporter of a range of organisations including Teach for Australia, The Aurora Foundation, YMCA Bridge Melbourne, Paralympics Australia and Australian Sports Foundation.

Library Board of Victoria

- President, 2012-2021.
- Chair, Vision 2020 Redevelopment Project Steering Committee and associated fundraising, 2015-2020.
- Emeritus Ambassador, since 2021.

Florey Neurosciences Institute

- Board Member, 2005-2009.
- Honorary Treasurer, 2007-2009.

Other

- Trustee, Global Rhodes Scholarship Trust, University of Oxford, 2010-2019 and Trustee Emeritus, since 2019.
- Chair, Rhodes Scholarship in Australia, 2010-2014.
- Member, Finance and Planning Committee, Melbourne Grammar School, 2010-2016.
- Director, Endowment Fund, The University of Queensland, 2010-2014.

Awards and recognition include:

- Appointed a Member of the Order of Australia, 2007.
- Co-recipient (together with spouse), Creative Partnerships Philanthropy Leadership Award, 2021.
- University of Queensland Vice-Chancellor's Alumni Excellence Award, 2019.