

BIOGRAPHY OF PROFESSOR VICTOR J. DZAU



Professor Victor J. Dzau

President, National Academy of Medicine, United States of America

Professor Victor J. Dzau is the President of the National Academy of Medicine (NAM), formerly the Institute of Medicine. In addition, he serves as Vice Chair of the National Research Council. He is an internationally acclaimed leader and scientist whose work has improved health and medicine in the United States and globally. Since arriving at the National Academies, Professor Dzau has led important initiatives such as the Commission on a Global Health Risk Framework; the Human Gene Editing Initiative; and Vital Directions for Health and Health Care, and the NAM Grand Challenges in Healthy Longevity. His own research laid the foundation for development of the class of lifesaving drugs known as ACE inhibitors, used globally to treat high blood pressure and congestive heart failure. He pioneered gene therapy for vascular disease.

He is a former member of the Board of Directors of the Singapore Health Services (2008 to 2018), a former member of the Advisory Committees to the Director of U.S. National Institutes of Health (1998-2002), chaired NIH's Cardiovascular Disease Advisory Committee (1993-1994) and is past chair of the Association of Academic Health Centers (2011-2012). Professor Dzau played a key role in the establishment of Duke-NUS Graduate Medical School (now known as Duke-NUS Medical School) and the SingHealth Duke-NUS

Academic Medical Centre. He also serves on the Health Biomedical Sciences International Advisory Committee of Singapore (2014-present).

Professor Dzau has previously served as Chancellor for Health Affairs and President & CEO of Duke University Health System (2004-2014), and Chairman of Departments of Medicine at Stanford University (1995-1996) and at Harvard University (1996-2004). He has received numerous awards including the Max Delbruck Medal from Germany, the Gustav Nylin Medal from the Swedish Royal College of Medicine, the Polzer Prize from the European Academy of Sciences & Arts, the Ellis Island Medal of Honor, and the Distinguished Scientist Award of the American Heart Association. He has received 15 honorary doctorates.

BIOGRAPHY OF PROFESSOR SIR JOHN O'REILLY



Professor Sir John O'Reilly

Chairman, Science and Engineering Research Council (SERC), A*STAR

Professor Sir John O'Reilly is Chairman of NICC (Standards) Ltd., a Director of the ERA Foundation Ltd., a Royal Commissioner for the Exhibition of 1851 and a visiting Professor with UCL. He served as Director General, Knowledge and Innovation, in the UK Department for Business, Innovation and Skills (2013-2015) and prior to that as Vice-Chancellor of Cranfield University, (2006-2013) and as Chief Executive of the Engineering and Physical Sciences Research Council (2001-2006). He has held academic appointments at Essex, Bangor, and UCL as well as positions in industry.

In the wider international arena, he has held advisory roles relating to science and research in Europe, North America, Asia and Australia. He previously chaired the President's Academic Advisory Committee and served on the Board of Khalifa University, serves on the panel for Quality Assessment Framework for Ministry of Education in Singapore and is a Board Member and Chairman of the Science and Engineering Research Council for the Agency for Science Technology and Research (A*STAR) in Singapore.

A Chartered Engineer, Professor O'Reilly is a Fellow and former member of Council of the Royal Academy of Engineering, an International Fellow of Académie Hassan II des Sciences et Techniques and of Academia das Ciencias de Lisbon, a former President of the Institution of Electrical Engineers and of EUREL, the Confederation of European Professional Electrical Engineering Societies. He holds honorary doctorates/Fellowships from the universities of Essex, Bangor, Huddersfield and UCL, is an Honorary Fellow of the Institution of Engineering and Technology, Honorary Fellow of the Institution of Chemical Engineers and a Fellow and member of the Board of Trustees of the Royal Aeronautical Society.

Widely published, with some 400 research papers, books and patents to his name, he received the J. J. Thomson Medal of the IEE for 'distinguished contributions to electronic engineering' in 2003, and was awarded a knighthood for contributions to science in 2007.