

FUTURE PARTNERSHIP PROJECT

Chicheley Hall, UK

29-30 January 2018



THE
ROYAL
SOCIETY



Chaired by Sir Andrew Witty

Please note:

- The event is held under the Chatham House rule

Monday 29 January

16.00-16.30 **Arrival and check-in**

16.30-18.00 **Introductions and scene setting**

Sir Venki Ramakrishnan, President of the Royal Society, and Ed Whiting, Director of Policy and Chief of Staff at the Wellcome Trust, will give an overview of the Future Partnership Project.

18.30-19.00 **Pre-dinner drinks and networking**

19.00-21.30 **Dinner**

Tour de table and initial views on a future vision for European research.

Tuesday 30 January

07.30-08.30 **Breakfast and check-out**

08.30-10.00 **Session 1: What is our long-term vision for European research?**

In this session, we'll explore a vision for European research in 2050.

10.00-10.30 *Coffee break*

10.30-13.00 **Session 2: What would a Brexit science and innovation agreement need to include to achieve our vision in the short-term?**

The discussion will address:

- People (mobility and career development)
- Funding
- Infrastructure
- Regulation and research policy
- Governance and oversight
- Financial contributions
- Transition

13.00-14.30 **Lunch and agreement of the Future Partnership Project statement**

14.30-16.30 **Session 3: Consolidating and communicating our short- and long-term vision**

16.30-16.45 **Wrap-up and overview of next steps**

16.45 **Guests depart Chicheley Hall**

Attendees

Sir Andrew Witty FMedSci (Chair)	Chancellor, University of Nottingham
Professor Enric Banda	Senior Advisor, Barcelona Supercomputing Center
Dr Jet Bussemaker	Former Minister for Research, The Netherlands
Professor Nili Cohen	President, Israel Academy of Sciences and Humanities
Professor Thierry Courvoisier	President, European Academies Science Advisory Council
Professor Steve Cowley FRS FREng	President, Corpus Christi College, University of Oxford
Professor Mark Ferguson FMedSci	Director General, Science Foundation Ireland
Professor Brian Foster FRS	Professor of Experimental Physics, University of Oxford
Professor Dame Anne Glover FRS	Vice-Principal, University of Aberdeen
Professor Andy Hopper FREng FRS	Vice President and Treasurer, Royal Society
Professor Ole Didrik Laerum	Former President, Norwegian Academy of Science and Letters
Professor Sir Robert Lechler PMedSci	President, Academy of Medical Sciences
Baroness Manningham-Buller	Chair, Wellcome Trust
Dr Julie Maxton	Executive Director, Royal Society
Professor Christina Moberg	President, Royal Swedish Academy of Sciences
Professor Jan Palmowski	Secretary General, Guild of European Research-Intensive Universities
Professor Ole Petersen FMedSci FRS	Vice President, Academia Europaea
Professor Olivier Pironneau	Vice President and Foreign Secretary, Académie des sciences
Professor Sir Venki Ramakrishnan PRS	President, Royal Society
Professor Pawel Rowiński	Vice-President, Polish Academy of Sciences
Dr Silke Schumacher	Director, International Relations, EMBL-Heidelberg
Sir John Skehel FMedSci FRS	Vice President and Biological Secretary, Royal Society
Professor Günter Stock	President, All European Academies
Professor Volker ter Meulen	President, InterAcademy Partnership
Professor Richard Villems	Professor of Archaeogenetics, University of Tartu
Professor Dame Helen Wallace FBA	Honorary Professor, University of Sussex
Mr Ed Whiting	Director of Policy, Wellcome Trust
Dr Rebekah Widdowfield	Chief Executive, Royal Society of Edinburgh

Staff

Ms Eleanor Beal	Senior Policy Adviser, Royal Society
Dr Ben Bleasdale	Policy Advisor, Wellcome Trust
Dr Jo Dally	Head of Policy, Research, Royal Society
Dr Beth Thompson	Head of UK, EU Policy, Wellcome Trust
Ms Louise Wren	Policy Manager, Wellcome Trust
Dr Rapela Zaman	Director, International Affairs, Royal Society

Sir Andrew Witty
University of Nottingham



Sir Andrew will be Chairing this event.

Sir Andrew graduated from The University of Nottingham in 1985 with a joint honours BA in Economics. In 2008, he became Chief Executive Officer of the pharmaceutical company, GlaxoSmithKline. Sir Andrew was appointed Chancellor of the University of Nottingham in October 2012. Sir Andrew was knighted for services to the economy and to the UK pharmaceutical industry in 2012.

Prof Enric Banda
Barcelona Supercomputing
Centre



Professor Banda gained a PhD in Physics (1979) from the University of Barcelona and was then a post-doc at the ETH, Zurich, before becoming a Research Professor in 1987. Banda is former Secretary of State for Universities and Research and former CEO of the European Science Foundation. He was also the Director of the Catalan Foundation for Research and Innovation and ICREA, Director Science “la Caixa” Foundation. Banda holds membership of the *Academia Europaea*, of the “Reial Acadèmia de Ciències i Arts de Barcelona and is a Fellow of the Royal Astronomical Society. Banda is the former President of Euroscience and presently NH Senior Advisor at the Barcelona Supercomputing Center.

Dr Jet Bussemaker
Former Minister for Research



Dr Bussemaker studied political science at the University of Amsterdam, and received her PhD on individualism and the welfare states, which was awarded best PhD in political science in 1993. She worked as lecturer and researcher at both the University of Amsterdam and the Vrije Universiteit Amsterdam between 1993 and 2007. In 1997 she was visiting fellow at the Center for European Studies at Harvard University. In the 1998 elections, Bussemaker was elected to the House of Representatives and served as State Secretary for Health, Welfare and Sports from 2007-2010. She returned to academic life as Dean of the University of Applied Sciences in Amsterdam. From 2012 until October 2017, she served as Minister of Education, Science and Culture.

Prof Nili Cohen
Israel Academy of Sciences and
Humanities



Professor Cohen, Israel Prize laureate for legal research, is President of the Israel Academy of Sciences and Humanities, and former Rector of Tel-Aviv University. Her research interests are in private law, interface between private and public law, comparative law, and law and literature. As a student she was the founding, and chief, co-editor of the Tel-Aviv University Law Review. She directs the series on Law and Literature at Tel-Aviv University. She is a member of the American Law Institute and was a member of the Committee of the Codification of Israeli Law. She is the recipient of Doukhan Prize, Sussman Prize (twice), Zeltner Prize, Rector's Prize for Excellence in Teaching (thrice), and Minkoff Prize for Excellence in Law.

Prof Thierry Courvoisier
EASAC



Professor Courvoisier studied at the Swiss Federal Institute of Technology, obtaining a PhD in theoretical physics at the University of Zurich in 1980. He worked in ESA's X-ray astronomy project EXOSAT at the European Space Operations centre in Darmstadt, and on HST at the European Southern Observatory. He became full Professor of the University of Geneva in 1999, and is now honorary Professor. Professor Courvoisier was President of the European Astronomical Society 2010-2017, President of the Swiss Academy of Natural Sciences 2012-2015, and President of the Swiss Academies of Arts and Sciences 2013-2015. He is currently President of the European Academies Science Advisory Council (EASAC).

Prof Steven Cowley
University of Oxford



Professor Cowley is a leading theoretical physicist, specialising in nuclear fusion. He recently became President of Corpus Christi College and joined the Physics Department at Oxford. Prior to this, he was CEO of the UK Atomic Energy Authority, based at Culham, Oxfordshire, and part-time Professor at Imperial College, London. He also has worked at Princeton and UCLA. Professor Cowley acts as an adviser to UK Government, as well as speaking in schools and making a number of media appearances, including a TED talk on fusion power.

Prof Mark Ferguson
Science Foundation Ireland



Professor Mark W.J. Ferguson became Director General of Science Foundation Ireland in 2012 and Chief Scientific Adviser to the Government of Ireland the same year. He is a founding member of the Small Advanced Economies Initiative, was Chair of the eHealth Ireland Committee (2015–2017), and a member of the EU High Level Expert Group on Horizon 2020 Impact. Previously, he was Professor in Life Sciences at the University of Manchester (since 1984) and co-founder, CEO and Chairman of Renovo Group plc (1998-2011). He is the recipient of numerous international research awards including the 2002 European Science Prize (jointly). He holds Fellowships from the Royal Colleges of Surgeons in Ireland (FFD), and Edinburgh (FDS) and is a Founding Fellow of the UK Academy of Medical Sciences. He is a member or Fellow of a number of learned Societies, and was made a "Commander of the British Empire" (CBE) by the Queen in 1999 for services to Health and Life Sciences.

Prof Brian Foster
University of Oxford



Brian Foster is an experimental particle physicist. He led the particle physics group at Bristol University until 2003, then becoming Donald H. Perkins Professor of Experimental Physics at Oxford University and Fellow of Balliol College. He was head of Particle Physics in Oxford from 2004 - 2011. Since 2010, Professor Foster has been Alexander von Humboldt Professor at Hamburg University and DESY. He chaired the European Committee for Future Accelerators from 2002–2005, was a member of the Particle Physics and Astronomy Research Council from 2001-2006, and was European Director for the International Linear Collider from 2006-2017. He was awarded the Alexander von Humboldt Research Prize in 1999 and the Max Born Medal and Prize of the German Physical Society and the Institute of Physics in 2003. Foster is a Fellow of the UK Institute of Physics, and the Royal Society.

Prof Dame Ann Glover
University of Aberdeen



Dame Anne joined the University of Aberdeen in 1983 and pursued a distinguished career in microbiology, including the launch of a spin-out company based on her research. Professor Glover was appointed the first Chief Scientific Adviser to Scotland (2006-2011) and then the first Chief Scientific Adviser to the President of the European Commission (2012-2014). In March 2015, Professor Glover was appointed to the board of Scottish Enterprise, the economic development agency that provides enterprise, investment and innovation support within the context of the Scottish Government Economic Strategy. Professor Glover re-joined the University in June 2015 to take up her Vice-Principal role, following a period of sabbatical at the Robert Bosch Stiftung in Berlin.

Prof Andy Hopper
Royal Society



Professor Hopper is Professor of Computer Technology at the University of Cambridge, and Head of the Department of Computer Science and Technology. He is also Treasurer and Vice-President of the Royal Society. His research interests include computer networking, pervasive and sensor-driven computing. In industry, he co-founded thirteen spin-outs and start-ups, three of which floated on stock markets. Professor Hopper received his PhD from the University of Cambridge (1978). He is a Fellow of the Royal Academy of Engineering (1996) and of the Royal Society (2006). He was President of the Institution of Engineering and Technology (2012), and Chairman of the RealVNC Group. He received the Royal Academy of Engineering MacRobert Award and Royal Society Bakerian Medal.

Prof Ole Didrik Laerum
University of Copenhagen



From 1980-2010, Professor Laerum was Professor of Pathology at the University of Bergen, Norway, before joining the University of Copenhagen in 2011. From 1990-1996 he was Vice-Chancellor/President at University of Bergen, and was Chairman of the Board at the Research Council of Norway from 1992-1994. Between 2005 and 2009, He was the Vice President/President at The Norwegian Academy of Science and Letters, before becoming a Council member of EASAC (2010-2017). Professor Laerum is also: a member of Academia Europaea; a Corresponding Fellow of the Royal Society of Edinburgh; Honorary doctor, University of Copenhagen, Denmark, and Carol Davila University, Romania; Officer of the Order of St. Olav, Norway and the Falcon Order, Iceland.

Prof Sir Robert Lechler
Academy of Medical Sciences



Sir Robert qualified in Medicine and trained in general medicine and nephrology, including a PhD in transplantation immunology at the Hammersmith and a Wellcome Trust-funded post-doctoral fellowship at the NIH in Bethesda, USA. He returned to the Hammersmith in 1986 and became Head of the Department of Immunology in 1994, Dean of Hammersmith Campus at Imperial in 2001 and Head of Division of Medicine in 2003. He moved to King's College London as Head of the School of Medicine in September 2004 and was appointed Vice Principal (Health) there in October 2005. He continues to direct a research group in transplantation immunology. In 2009 he was appointed Executive Director of King's Health Partners and in 2012 was awarded a Knighthood in the Queen's Birthday Honours for services to academic medicine. He was elected as President of the Academy of Medical Sciences from December 2015.

Baroness Manningham-Buller

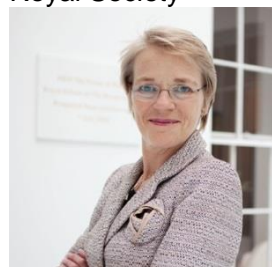
Wellcome Trust



Baroness Manningham-Buller was educated at Benenden School and Lady Margaret Hall, Oxford. She taught for three years before joining MI5 in 1974. After a career which included a posting to the British Embassy in Washington, Eliza became Deputy Director General, with responsibility for operations, before leading MI5 as Director General from 2002 to 2007. She was appointed an independent, crossbench peer in the House of Lords in 2008. She has been a member of the Privileges and Conduct Committee, the Joint Committee on the National Security Strategy, and the Science and Technology Committee. Eliza joined Wellcome as a governor in 2008 and the Council of Imperial College in 2009. She was the Chair of Council from 2011 to 2015. In 2015, she became the Co-President of Chatham House, Royal Institute of International Affairs.

Dr Julie Maxton

Royal Society



Dr Maxton is the Executive Director of the Royal Society, the first woman in 350 years to hold the post. Before taking up her position at the Royal Society in 2011 Julie was Registrar at the University of Oxford, the first woman in 550 years in the role. She is an Honorary Fellow of University College Oxford, a Bencher of the Middle Temple, a Freeman of the Goldsmith's Company, and a Board member of Engineering UK, the Charities Aid Foundation, Haberdasher Aske's School and of the International Advisory Board of the Blavatnik School of Governance at Oxford University. Originally trained as a barrister at the Middle Temple, Julie combined a career as a practising lawyer with that of an academic, holding a number of senior academic positions, including those of Deputy Vice Chancellor, Professor and Dean of the Faculty of Law at the University of Auckland, New Zealand.

Prof Christina Moberg

Royal Swedish Academy



Professor Moberg obtained her PhD at the Royal Institute of Technology (KTH) in Sweden. In 1981 she was appointed as Assistant Professor at KTH becoming Full Professor in Organic Chemistry in 1997. Her research interests are in the field of asymmetric metal catalysis and the development of selective synthetic methods. Christina Moberg has been awarded the Göran Gustafsson Prize by the Swedish Academy of Sciences, the Sixten Heyman Prize from Gothenburg University and the Ulla and Stig Holmquist Prize from Uppsala University, and she has been awarded the Rosalyn Franklin Lecture tour in Britain. In 2014 she received the honorary doctor from the Lund University and in 2015 she was awarded with the EuCheMs Lecture. She is a member of the Royal Swedish Academy of Sciences and of the Royal Swedish Academy of Engineering Sciences. She is Vice President and vice Dean of KTH.

Prof Jan Palmowski

The Guild



Professor Palmowski is a Professor of Modern History, specialising in 19th and 20th century German and European history. He became the Secretary-General of the Guild of European Research-Intensive Universities upon its foundation in 2016, on secondment from the University of Warwick where he has been Academic Vice President/Pro-Vice-Chancellor since 2013.

Prof Ole H Petersen
Academia Europaea



Professor Petersen is Professor of Physiology in the School of Biosciences at Cardiff University and Director of the University's Academia Europaea Knowledge Hub. He is an Executive Editor of the Journal of Physiology, and was elected as a Fellow of the Royal Society in 2000 (Vice-President 2005-6) and Member of the German National Academy of Sciences Leopoldina in 2010 (Leopoldina Lecture 2012). As Vice-President of Academia Europaea (since 2015), he is the alternate for the Academy's President on the Board of Science Advice for Policy by European Academies. In April 2018, he will receive the American Physiological Society's highest award, giving the Walter B Cannon Memorial Award Lecture at 'Experimental Biology' in San Diego on the "Roles of calcium and ATP in pancreatic physiology and pathophysiology".

Prof Olivier Pironneau
Académie des sciences



Professor Pironneau is Vice-President and Foreign Secretary of the French Académie des sciences. Pironneau undertook a PhD at the University of California Berkeley in 1971 with E. Polak and then went on to learn Fluid Mechanics at the University of Cambridge with Sir James Lighthill. Pironneau spent 5 years at INRIA and has held many industrial collaborations (including with Dassault-Aviation). University Professor in 1979 (Paris VI since 1985). He is an advisor to the Scientific Board of INRIA, CNES, University Paris VI, the Commission on Nuclear Waste, the Finnish Centre for Supercomputing CSC and currently heading the Commission for supercomputing in France. He is interested in computational aspects of Financial Engineering.

Prof Sir Venki Ramakrishnan
Royal Society



Sir Venki is a Group Leader of the Medical Research Council Laboratory of Molecular Biology (LMB) in Cambridge and President of the Royal Society. On obtaining his PhD. in physics in 1976, he switched to molecular biology and after a long career in the USA he moved to Cambridge in 1999 to work at the LMB. He is best known for his work on ribosomes, the large molecules in all cells that read genetic information to make proteins. Ramakrishnan is a Fellow of the Royal Society, a member of EMBO, the US National Academy of Sciences, Leopoldina (the German Academy of Sciences) and a Foreign Member of the Indian National Science Academy. He received the Louis-Jeantet Prize for medicine in 2007 and shared the Nobel Prize for chemistry in 2009.

Prof Pawel M. Rowiński
Polish Academy of Sciences



Professor Rowiński is Professor in Earth Sciences and the Corresponding Member of the Polish Academy of Sciences. In May 2015 he was elected Vice President of the Polish Academy of Sciences. From 2008 to 2015, he was the CEO of the Institute of Geophysics, Polish Academy of Sciences. In the years 2004 – 2008, he was the Research Director of that Institute. He is the Co-Founder of Earth and Planetary Research Centre (GeoPlanet) and served as the first Chairman of the Board of Directors of GeoPlanet. In 2017 he was elected Vice Chair of the International Association for Hydro-Environment Engineering and Research IAHR – Europe Regional Division Leadership Team.

Dr Silke Schumacher
EMBL-Heidelberg



Dr Schumacher has a degree in biology and in public administration, and is the Director of International Relations at EMBL-Heidelberg. She is responsible for government and EU relations at EMBL, and relations with EIROforum. She oversees the European Learning Laboratory for the Life Sciences. She holds a PhD in Structural Biology from the Université Paris XI. In 1997, she was a Postdoctoral fellow at the National Institutes of Health in Bethesda, USA, until 1998. She worked as a Senior Manager in pharma business development at the Merck KGaA in Darmstadt, becoming the Managing Director of Anadys Pharmaceuticals Europe GmbH in 2001 in Heidelberg. In 2003, she moved to EMBL, where she was initially responsible for scientific cooperation and communications. Two years later she became Head of International Relations and Communications at EMBL, and since 2010, the Director of International Relations.

Prof Sir John Skehel
Royal Society



Professor Skehel focusses on the virus that causes influenza, of which there are 3–5 million cases a year worldwide, resulting in up to 500,000 deaths. He has been a leader in virology research for over thirty years. He headed the WHO Collaborating Centre for Reference and Research on Influenza between 1975 and 1993 and was the Director of the National Institute for Medical Research from 1987–2006. His pioneering research was recognised in 1996 when he received a knighthood.

Prof Günter Stock
ALLEA



Professor Stock was elected President of All European Academies in 2012. Throughout 2017 he served as Chair of the European Science Advice for Policy by European Academies. A physiologist by training, Stock has held many positions in the fields of academia and industry. Between 2006 and 2015, he was President of the Berlin-Brandenburg Academy of Sciences and Humanities, and between 2008 and 2015, he was President of the Union of German Academies of Sciences and Humanities. He was a member of the executive board of the pharmaceutical company Schering AG, responsible for research and development, and Vice-President of the Max Planck Society (MPG) until 2011. Professor Stock serves, *inter alia*, as Chair of the Executive Board of the Einstein Foundation and member of the Supervisory Board of Charité – University of Medicine Berlin. He is a member of acatech – The German National Academy of Science and Engineering and Academia Europaea.

Prof Volker ter Meulen
InterAcademy Partnership



Prof ter Meulen received training in virology in the USA, specialising in paediatrics and in clinical virology. In 1975 he became a full Professor and Chairman of the Institute of Virology and Immunobiology at the University of Wuerzburg and was twice elected Dean of the Faculty of Medicine of Wuerzburg University. Ter Meulen worked on molecular and pathogenic aspects of viral infections in man and animals. From 2003-2010, ter Meulen was President of the German Academy of Sciences Leopoldina. From 2007-2010, he was President of the European Academies Science Advisory Council (EASAC). Since 2013 he was elected co-chair of the InterAcademy Partnership (IAP), he is now President of the IAP.

Prof Richard Villems
University of Tartu



Richard Villems undertook his PhD in biochemistry at the University of Tartu, Estonia in 1972, with post-doctoral training in Sweden 1974-1975 and the UK 1977-1978. Between 1986 and 2014, Villems was the Director of the Estonian Biocentre. Since 1987, he has been a member of Estonian Academy of Sciences and Professor of molecular genetics, University of Tartu. Villems was made President of the Estonian Academy of Sciences in 2004, and his presidency ended in 2014. Villems is a foreign member of both the Royal Swedish Academy of Sciences (1989), and the Academy of Finland, (2000). He is currently Professor of Archaeogenetics in the Department of Evolutionary Biology at the University of Tartu, Estonia

Dame Helen Wallace
British Academy



Dame Helen is a specialist in the politics of European integration and an Honorary Professor at the University of Sussex. She previously held posts at the European Institute at the London School of Economics, the European University Institute (where she directed the Robert Schuman Centre for Advanced Studies), the University of Sussex, the Royal Institute of International Affairs, the Civil Service College and UMIST. She directed the Economic and Social Research Council's 'One Europe or Several? Programme' (1998-2001). She was Foreign Secretary and a Vice President of the British Academy (2011-2015) and currently chairs the Academy's Europe Liaison group. She is a member of the RISE independent expert advisory group to Commissioner Carlos Moedas.

Edward Whiting
Wellcome Trust



Mr Whiting is responsible for Wellcome's work to influence policymakers around the world in support of its objectives. He is responsible for supporting the development of new priority areas and the delivery of existing priorities. Before joining Wellcome in September 2016, he worked in a number of Whitehall social and financial policy departments, including HM Treasury's financial stability team during the 2008-09 financial crisis. He was most recently at No 10 Downing Street as Deputy Principal Private Secretary to the Prime Minister, leading on public services. Ed was awarded the OBE for public service and services to No. 10 Downing Street in the June 2016 Queen's Birthday Honours list.

Dr Rebekah Widdowfield
Royal Society of Edinburgh



Rebekah Widdowfield has been Chief Executive of the Royal Society of Edinburgh since September 2017. Following a PhD at the University of Newcastle, she worked for a number of years at the universities of Bristol and Cardiff, researching homelessness, rural poverty and social exclusion. She joined the Scottish Government in 2001, working in a number of roles before becoming a senior civil servant in 2008 where she covered rural and environmental science and analysis (including responsibility for Scotland's rural research institutes), social research (as Chief Researcher), higher education and housing. Dr Widdowfield was head of higher education in the lead up to the Scottish independence referendum in 2014.