

Professor Gail Cardew FRSB DPhil BSc

EMPLOYMENT

- 2000–present **Director of Science and Education; Professor of Science, Culture and Society**
The Royal Institution, 21 Albemarle Street, London W1S 4BS
- 2006–2012 **Vice President** (voluntary role; also Governing Board member 2014–2018)
EuroScience, 1 Quai Lezay-Marnésia, 67000 Strasbourg
- 1999–2000 **Senior Conference Producer**
IBC Global Conferences Ltd.
I organised executive briefings, conferences and seminars for the pharmaceutical industry
- 1994–1999 **Symposium Organiser/Editor**
The Novartis Foundation
I organised high level, multi-disciplinary meetings for scientists and edited the symposium proceedings
- 1993–1994 **Postdoctoral Fellow**
Trafford Centre for Medical Research, University of Sussex
In collaboration with the cardiac department at the Royal Sussex County Hospital, I investigated genetic susceptibility to premature cardiovascular disease.

EDUCATION

- 1990–1994 **DPhil ‘Studies on *suc1* in *Xenopus laevis*’** *University of Sussex*
suc1 is a yeast protein involved in the regulation of cell division. My thesis reports the identification of a similar protein in the frog *X. laevis* and an investigation of its role
- 1986–1989 **BSc (Hons) Biology First Class** *University of Sussex*
Third-year courses: molecular genetics, biochemistry of gene expression, biochemistry of cell regulation, genes and development. Third-year project: Regulation of the cell cycle

KNOWLEDGE, SKILLS AND EXPERTISE

1. I have senior leadership and board-level experience at major scientific organisations
2. I have a high profile in the science and education sectors through representation on high level UK and European scientific committees and boards
3. My role brings me into contact with researchers of every discipline, both in academia and industry. I therefore have a wide breadth of scientific knowledge and its applications to society
4. I have direct science research experience, an understanding of the scientific community and knowledge of international policy, economic and career issues affecting researchers
5. I have up-to-date knowledge of the complexity and issues involved with the role of science within society, engaging the public in scientific debate, and STEM enrichment for young people
6. I am a strong communicator: I chair, host and introduce events, give national and international talks on science issues and careers, and give media interviews
7. I manage a team of 30+ staff, 100s of volunteers and external relationships with academia, industry, the press, teachers, students, policy makers, learned societies and the general public

KEY ROLES AT THE ROYAL INSTITUTION

1. Responsible for strategic planning of all Royal Institution (Ri) charitable activities – science education, public engagement, policy, marketing and PR
2. Assist with preparation of, attend and actively participate in Ri Board of Trustees meetings

3. As a member of the Ri leadership team, contribute to the strategic direction of the organisation and general oversight of core business issues e.g. finance, governance & policy, HR, compliance with charity commission best practice, risk and audit function
4. Lead roles in commercial development, fundraising, donor recruitment and management, membership development
5. Management of Ri strategic alliances with academia, industry, government, media, learned societies etc.
6. Lead representative of the Ri at high level external meetings on science, policy and education issues, e.g. advisory bodies, government consultation meetings and international strategic partnerships
7. Management of a department containing 30+ staff and 100s of volunteers
8. Responsible for digital development, audience development, membership, marketing and PR
9. Devise and manage innovative and inspiring public, Ri Member and Ri Patron programmes that bring together academia, industry, educators and the public to discuss research and its applications to society
10. Manage the Ri Education Programme, eg the Christmas Lectures, the UK-wide Maths/Engineering Masterclasses, the Young Scientist Centre, the Ri Family programme Fun Days and STEM Directories.

OTHER LEADERSHIP INTERESTS

Leadership interests include the 2015 'Leadership Insights for Professional Bodies', the Royal Society of Biology Leadership Training Course aimed at CEOs and senior management of learned societies. Training included developing leadership qualities and tips for effective relations with boards of trustees. I am a member of the Brain Exchange, an invitation-only knowledge sharing forum for CEOs, entrepreneurs, freelancers, small business owners and senior managers. In 2014 I was personally selected by the US Embassy to take part in their coveted International Visitor Leadership Programme, a programme for emerging non-US leaders to develop cultural learning and mutual cooperation.

SENIOR SCIENTIFIC POSITIONS

In 2014 I was elected as a Fellow of the Royal Society of Biology. From 2006 to 2012 I was Vice President of EuroScience. In early 2015 the membership elected me back on to the EuroScience board following a statutory break.

I am Chair of the Euroscience Open Forum (ESOF) Supervisory Board. ESOF is the largest European general science conference, and brings together researchers, policy makers, industry, the media and the public. As Chair, I have a role in the strategic development of ESOF including the selection of the host city. This position brings me into contact with leading figures in European science research, for example Chief Scientific Advisors, Science Ministers and Nobel Laureates, as well as distinguished scientists such as the current and past Presidents of the European Research Council.

I sit on the following boards, committees and panels:

ESOF Supervisory Board Chair 2008–
EuroScience Governing Board 2015–
Lloyd's Register Foundation Foresight Report Committee 2017
ESOF Steering and/or Programme Committees 2003–
European Research Council Science² Advisory Board 2015–
Swansea Research as Art Judge 2012–2017
EuroScientist Editorial Board 2006–2015
Canada Foundation for Innovation Multidisciplinary Assessment
Committee 2012 & 2015
Vice President of Euroscience 2006–2012
Gothenburg Science Council 2012–
European Institute for Science in Society 2012–
EPSRC Peer Review College 2002–

Royal Television Society Awards Judge 2014
Queen's Anniversary Prize Judge 2013
AXA Research Fund Search Committee 2012
UNESCO/L'Oréal For Women in Science Award Committee 2010
European Ocean Acidification Reference Group 2008–2013
AlphaGalileo Steering Group 2006–2012
Wellcome Collection Programme Advisory Panel 2007–2010
QCA Engaging Mathematics for all Learners Stakeholders' Group
2008–2009
Specialist Schools Trust Science Expert Panel Group 2003–2008
Edinburgh Festival Planning Committee 2002–2006
ScienceWise Grant Review Panel 2004–2006
Altran Foundation Prize for Innovation 2005

PUBLICATIONS & TALKS

Around 50 published books, blogs and press articles on various science & society topics.

Numerous international talks on a range of topics including Brexit, what's next for science?; How to engage, encourage and support more girls to study STEM; A science communication guide to working on YouTube; Science & creativity; The importance of science in society; Should you trust science?