



80<sup>th</sup> Stephen Paget Memorial  
Lecture and Openness Awards  
Ceremony

5<sup>th</sup> December 2016  
Royal College of Physicians,  
London

#ConcordatOpenness

# Programme

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18:00      Arrival and Refreshments

18:30      Welcome Address

18:40      Openness Awards

- Internal or sector engagement activity
- Public engagement activity
- Media engagement or media stories
- Website or use of new media
- Individual award

19:00      80<sup>th</sup> Paget Lecture by Professor Sir  
Mark Walport

*Animal Research – Then and Now*

20:00      Drinks Reception

21:30      End

## The Stephen Paget Memorial Lecture

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The Stephen Paget Memorial Lecture is a scientific lecture to commemorate the life of Dr Stephen Paget.

Stephen Paget (1855 – 1926) was the founder of the Research Defence Society, a forerunner of Understanding Animal Research. He believed passionately that better science and understanding of physiology would lead to better medical treatments.

After his death in 1926, he was greatly missed by his medical colleagues and the scientific community. The first Stephen Paget memorial lecture was given in 1927 to commemorate his life and allow leading bio-medical scientists of the day to talk about their research.

## The Openness Awards

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The Concordat on Openness launched in May 2014 and has to date brought together 109 organisations in a pledge to be more open and transparent about the use of animals in research.

This year the Openness Awards celebrate five recipients that have met the Concordat commitments and encouraged the widespread sharing of best practice.

# Professor Sir Mark Walport, FRS, FMedSci

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Sir Mark is the Chief Scientific Adviser to HM Government and Head of the Government Office for Science.

Previously, Sir Mark was Director of the Wellcome Trust. Before joining the Trust he was Professor of Medicine and Head of the Division of Medicine at Imperial College London.

He is Co-Chair of the Prime Minister's Council for Science and Technology and has been a member since 2004.

He received a knighthood in the 2009 New Year Honours List for services to medical research and was elected as Fellow of The Royal Society in 2011.

# Past Paget Lecturers

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- 1927 Professor Julian Huxley, MA
- 1928 Sir Bernard Spilsbury, MA, MB, MRCP
- 1929 Professor A V Hill, OBE, SCD, FRS
- 1930 Lady Mellanby, SCD, DSC
- 1931 Sir Henry Dale, CBE, FRS
- 1932 Sir Arthur Keith, FRCS, FRS
- 1933 Major General Sir Leonard Roberts, KCSI, MD, FRS
- 1934 Sir Joseph Barcroft, CBE, MA, FRS
- 1935 Professor Sir Frederick Hobday, CMG, FRCVS
- 1936 Sir Malcolm Watson, LLD, MD, CM, DPH, FRFPS
- 1937 Professor G Grey Turner, DCH (Hon) MS, FRCS, FACS
- 1938 Professor Charles H Best, MA, MD, DSc (Lond), FRCP (Canada), FRS
- 1939 Sir Edward Mellanby, KCB, KHP, MD, FRCP, FRS
- 1945 Sir William Savage, BSc, MD, DPH
- 1946 Brigadier Sir N Hamilton Fairley, CBE, MD, DSc, FRCP, FRS
- 1947 Professor G H Wooldridge, FRCVS, MRIA
- 1948 Professor P A Buxton, CMG, FRS
- 1949 Sir Charles A Lovatt Evans, LLD, DSc, FRCP, FRS
- 1950 Professor E D Adrian OM, MD, FRS
- 1951 Sir Wilson Jameson, GBE, KCB
- 1952 Sir Howard Florey, MD, FRS
- 1953 Sir James Learmouth, KCVO, DBE, CHM, FCCSE
- 1954 Sir Geoffrey Jefferson, CBE, FRS
- 1955 Sir Henry Dale, OM, GBE, FRCP, FRS
- 1956 Professor A A Miles, CBE, MD, FRCP
- 1957 The Rt Hon the Lord Cohen of Birkenhead, MD, DSc, LLD, FRCP, FACP
- 1958 Mr Richard Fort, MP
- 1959 Sir Solly Zuckerman, CB, FRS
- 1960 Professor J Harold Burn, MD, FRS
- 1961 Sir Hugh Linstead, OBE, LLD, EPS, MP
- 1962 Sir Derrick Dunlop, BA, MD, FRCP
- 1963 Sir John Ritchie, CB, FRCVS, LLD
- 1964 Professor Alex Haddow, FRS
- 1965 Professor D D Reid, MD, DSc, FRCP
- 1966 Sir Peter Medawar, FRS
- 1967 Professor A S Parkes, CBE, FRS
- 1968 Mr Christopher Mayhew, MA, MP
- 1969 Sir John Boyd, OBE, MD, FRCP, FRS
- 1970 Professor F G Young, DSc, FRS

1971 Professor Sir Michael Woodruff, DSc, MD, FRCS, FRS  
1972 The Rt Hon The Earl of Halsbury, FRS  
1973 Professor James Learmonth Gowans, CBE, FRS  
1974 Dr W M Henderson DSc, FRCVS  
1975 Dr Arnold S V Burgen, MD, FRCP, FRS  
1976 Dr Robert Murray, BSc, FRCP (Glasgow), DPH, DIH  
1977 Professor S Shuster, PhD, MB, FRCP  
1978 Professor W D M Paton, CBE, FRCP, FRS  
1979 The Rev Canon G R Dunstan, MA, DD, FSA  
1980 Godfrey J Carter, Parliamentary Counsel  
1981 Sir John Butterfield, OBE, MD, DM, FRCP, Hon LLD Hon FACP  
1982 Professor Ernst Barany, MD  
1983 Professor Roy Calne, FRS  
1984 Sir John Vane, FRS  
1985 Baroness Mary Warnock, DBE, FBA, FMedSci  
1986 Professor Ian A Silver  
1987 Professor Sir Stanley Peart, MD, FRCP, FRS  
1988 Dr Leslie L Iversen, MA, PhD, FRS  
1989 Professor W F H Jarrett, FRS  
1990 Lord Walton of Detchant, TD, MA, MD, DSc, FRCP  
1991 Dr Frederick K Goodwin, MD  
1992 Dr Bridget Ogilvie, ScD, FIBiol  
1993 Dr Salvador Moncada, FRS  
1994 Dr Ian Purchase, BVSc, PhD, FRCPPath, CBiol, FIBiol  
1995 Professor Sir Walter Bodmer, FRS  
1996 Dr Keith Barnett, OBE  
1997 Professor Grahame Bulfield, FRSE  
1998 Professor Trevor Jones, FRSM, FRSC, FRPS  
1999 Professor Steve Jones, FRS  
2000 Baroness Susan Greenfield CBE, HonFRCP  
2001 Sir Richard Sykes, DSc, FRS, FMedSci, HonFREng  
2002 Professor Lord Winston, FMedSci, FRSA, FRCP, FRCOG, FIBiol  
2003 Lord Sainsbury of Turville, FRS, HonFREng  
2004 Lord Robert May, OM, AC, FRS, FAA, FRSN, HonFAIB, HonFREng  
2005 Professor Mark Ferguson, CBE, FDS, FFD, FMedSci  
2006 Dr Gill Samuels, CBE, HonDSc, FRI  
2007 Professor Chris Higgins, FRSE, FRSA, FMedSci  
2008 Professor Paul Andrews, PhD, DSc, FRSB  
2014 Professor Dame Linda Partridge DBE, FMedSci  
2015 Professor Sir Colin Blakemore, FMedSci, HonFRCP, HonFRSM, HonFRSB, FRS

# Openness award categories and nominations

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## Internal or sector engagement activity

*Presented by Dame Bridget Ogilvie, FRS, FMedSci*

Bridget Ogilvie has had an interest in public engagement since she was an undergraduate studying agriculture and with this background is certainly supportive of openness. She was a life member of the Research Defence Society, a predecessor body to UAR, and gave the Paget Lecture during that time in 1992.

After a PhD at the University of Cambridge veterinary school, she spent 17 years at the MRC's National Institute of Medical Research in its Division of Parasitology. Here she was interested in why parasitic nematodes so often live for years in their host despite stimulating a strong immune response. She then joined the staff of the Wellcome Trust when it was a small organisation, eventually becoming its Director during the time it became a large medical research funding charity. She has since had wide experience on the board of many science related bodies, large and small.

## Nominations

### Babraham Institute

In 2016 the Institute has worked under the theme of 'Work with us, Learn with us' to raise awareness of careers in animal technology with a view to promoting training and vacancy opportunities, addressing negative perceptions and highlighting the scope for career development in this sector. This initiative encompasses a range of different activity types including:

launching apprenticeships within the animal facility in partnership with the Cambridge Regional College; developing an exhibit and brochure for use at careers fairs and schools; personalising and encouraging career enquiries by providing a direct email address for anyone with questions about working in animal technology; and contributing to a careers programme in development by Cambridge TV.

<http://www.babraham.ac.uk/science-services/biological-support-unit/careers>

## Institute of Animal Technology

The newly developed “Animal Technologist: A Caring Career” brochure provides a modern and impactful view on animal technology and in particular the IAT Career Pathway and opportunities to progress through training, education and Continual Professional Development. In addition, it features the named roles such as the NACWO and describes the responsibilities of animal technologists at key points along the Career Pathway. The IAT wants to make sure that every single animal technologist has access to the best training and opportunities to develop their capabilities. The IAT Career Pathway is designed to guide animal techs through the different stages of a career in animal technology and ensure these high standards are upheld across the country and even further afield. The Pathway has been endorsed and adopted by a number of leading industry and academic facilities providing employees with a clear career path.

<http://www.iat.org.uk/pathway>

## Kelvin Elderkin at Sequani

Kelvin Elderkin has driven an initiative to reach out to the academic organisations in Sequani's local community. The aim is to provide them with direct access to knowledge about the animal research Sequani performs for the pharmaceutical and agrochemical sectors. Starting in the first year from accessing just a handful of students in institutions within 30 miles, the programme is now regularly accessing between 380 and 520 young adults annually from as far as 160 miles away. Kelvin has now personally shared his positive knowledge of animal research with over 2,400 people. This role has always been an adjunct to his main role as Compliance Officer and Manager of the Scheduling Team. The growth in this programme is solely due to word of mouth on the value and interest it brings to the students. His attentions are focused inwards as Kelvin is recruiting other ambassadors within Sequani to extend this outreach to meet demand and to engage other technical and scientific staff in being more open about their work.

## Ryan Cini at Imperial College London

Ryan is an apprentice animal technician who joined the Central Biomedical Services department at Imperial College London in September 2015. This is a new apprenticeship scheme and Ryan was the first of two apprentices taken on by Imperial. Ryan immediately took a keen interest in the Concordat and from the outset had a firm belief in the benefits of being open about the work he was involved in. Ryan has since given talks about his work and the apprenticeship scheme to students at his old school and to students on a visit to the CBS animal facility. When CBS took part in the Imperial Festival this year, Ryan proved to be a great communicator with the general public and especially with the many children who visited the stand.

## Society for Experimental Biology

The Society for Experimental Biology ran a 3 day (29<sup>th</sup> June – 1<sup>st</sup> July 2016) symposium dedicated to showcasing ethical animal experimentation and promoting 3Rs thinking amongst SEB membership. The first two days highlighted latest advances in 3Rs science and the third day was aimed at educating participants in the research opportunities, resources, associations and training available to empower scientists. Examples of high quality science from USA, Australia and Europe demonstrated how experimental approaches can improve animal welfare, reduce the numbers of animals used and replace animals in experimental procedures across a range of fields including animal behaviour, endocrinology, neurobiology, physiology, toxicology, and other disciplines by focusing on innovations in the 3Rs principles.

## University of Surrey Experimental Biology Unit

This year the Experimental Biology Unit, the animal research facility of University of Surrey, launched a series of engagement activities. EBU took part in the Research Away Day of the Faculty of Health and Medical Sciences organising an innovative speed-networking event for researchers to promote new partnerships across disciplines and among different centres of research. This aimed to advance the knowledge of animal research at the University and to boost collaborations and relationships between researchers and animal welfare/3Rs specialist staff and institutions. EBU also took part in the Festival of Research with an official presentation on animal research at the University. The presentation challenged the audience using a behavioural test done on mice, then talked about animal research at the University and the staff and structures in place to guarantee animal welfare and top quality research.

## Public engagement activity

*Presented by Professor Chris Higgins, FRSE, FRSA, FMedSci*

Chris Higgins studied Botany at Durham University and won a NATO Fellowship to the University California Berkeley during the early molecular genetics revolution. He subsequently held Professorships at the Universities of Dundee, Oxford and Imperial College, where he was also Director of the MRC Clinical Sciences Centre, and was Vice-Chancellor and Warden of Durham University from 2007-2015.

Chris has won many awards for his research, including the CIBA medal of the Biochemical Society, the Fleming Medal of the Society of General Microbiology, a Lister Institute Research Fellowship and a Howard Hughes International Research Scholarship. He has played many public roles, including Council of BBSRC, Human Genetics Commission, Advisor to the House of Lords Select Committee on Stem Cells, and Chair of SEAC (Spongiform Encephalopathy Advisory Committee).

He has contributed to public engagement on controversial issues, including animal research, over many years and gave the Paget Lecture in 2007.

## Nominations

### Cancer Research UK Manchester Institute

A team of scientists and technologists from Cancer Research UK Manchester Institute highlighted the role of laboratory animals in cancer research at the Manchester Museum of Science and Industry's Platform for Investigation event, 'Beating Cancer Sooner' on 21<sup>st</sup> May 2016. Three activities were coordinated to engage discussion with children and adults about research with mice: torso models of rodent and human to

illustrate their similarities; an activity to catch the correct wind-up mouse to match the drug, to illustrate the principle of personalised medicine; a mouse cage with typical contents and enrichment and accompanying video of CRUK MI mice (including tumour-bearing ones) to explain welfare during experimental procedures.

## Imperial College London

On the day of the publication of the Home Office annual statistics, Imperial published its 2015 numbers online and ensured the rest of its animal research website was updated. It also published a news story and social media-friendly video. Following publication of the figures, Imperial wanted to give the public a feel for what lies behind the numbers; to explain why Imperial uses thousands of animals in research and to give a better idea of what a 'procedure' might entail. Imperial interviewed an animal technologist and a researcher, creating an audio tour of an animal facility for their podcast.

[http://www3.imperial.ac.uk/newsandeventspggrp/imperialcollege/news/summary/news\\_10-8-2016-10-10-13](http://www3.imperial.ac.uk/newsandeventspggrp/imperialcollege/news/summary/news_10-8-2016-10-10-13)

## The Pirbright Institute's Animal Services team

During 2016, members of the Animal Services team proactively supported or organised public engagement events to build knowledge and help change perceptions about the use of animals in the research undertaken at the Institute. Presentations were given by scientists who use animals in their research and by animal technicians and vets, so that students could hear directly from those who had first-hand experience of working with animals. The aim was to give students information about how and why animals play a part in science, to enable them to form their own opinions based on the facts.

## Media engagement or media stories

*Presented by Karen Gardner*

Karen is a communications specialist chiefly working as a broadcast journalist and radio presenter. After early jobs in local Government and the crop protection sector, Karen joined Glaxo Wellcome; eventually becoming head of R&D public relations. She became a freelance consultant in 1995, specializing in explaining complex or controversial issues, primarily in the scientific, political and policing sectors. In 2009 Karen took a short BBC contract to enhance the coverage of science in local radio. Somehow six weeks stretched into seven years and Karen is now a full-time news journalist for the BBC in the West.

She is a former member of the Council of UAR and is a trustee of the Animals in Science Education Trust.

## Nominations

### University of Leicester

In collaboration with UAR and the Science Media Centre, the University of Leicester responded to a call to host a journalist from The Sun. Leicester provided a range of research topics for the journalist to explore, finally focusing on obesity research involving animals. There were detailed pre-event preparations and briefings and close liaison with UAR who supported Leicester before and during the journalist's visit. The University press team chaired an hour long session with nearly a dozen academics and technicians scoping the visit and determined areas to focus on. Heather Sanders co-ordinated the whole visit with a precise programme to showcase the facility and create a transparent and open visit for the journalist and photographer.

<https://www.thesun.co.uk/living/1478364/we-go-behind-the-scenes-at-the-animal-research-facility-that-could-hold-the-secret-to-ending-obesity>

## University of Nottingham

The Healthy Ageing of Cloned Sheep research began in 2014 at the University of Nottingham, becoming a media story in 2016 that involved collaboration at all levels of the University and with numerous partners and stakeholders. With help from the Science Media Centre, and support from UAR, Nottingham secured exclusive access to the farm for Tom Feilden, of BBC Today. A news briefing and a Conversation article by Professor Sinclair, the lead academic, was planned to maximise coverage. Two photocalls were planned to allow all broadcast media the opportunity to film the Dollies on the University farm. The result saw a news briefing which was well-attended by national and European media.

<https://www.nottingham.ac.uk/news/pressreleases/2016/july/nottingham-dollies-prove-cloned-sheep-can-live-long-and-healthy-lives.aspx>

## Website or use of new media

*Presented by Dr Geoff Watts, PhD, FMedSci*

Dr Geoff Watts spent five years in academic research, but then abandoned it in favour of scientific and medical journalism. For many years he was the deputy editor of World Medicine magazine. He went on to present BBC Radio 4's prize-winning Medicine Now throughout its 17 year life, and the science programme Leading Edge for ten years.

Geoff now divides his time between writing, broadcasting, and consultancy work. He is a Fellow of the Academy of Medical Sciences, served for six years on the Government's Human Genetics Commission, and for a further six as a member of the Nuffield Council on Bioethics. Geoff chairs the Steering Group for the Concordat and recently joined UAR's Council.

## Nominations

### King's College London

Since signing the Concordat, King's College London has redesigned and relaunched a series of webpages devoted to animal research, which were published in spring 2016. The new website hosts a series of pages with information and images of its animal staff; numbers and species of animals used; explanations of the licensing and ethical requirements under Home Office regulations and the role of the three animal welfare and ethical review bodies; and news of research studies involving the use of animals.

<http://www.kcl.ac.uk/innovation/research/corefacilities/bsu/index.aspx>

## Medical Research Council

The MRC has produced a whole new website section relating to the MRC's Centre for Macaques. The home page explains why non-human primates such as macaques are used in research, and who uses the macaques the Centre breeds. The pages explain subjects such as: environment enrichment; feeding/foraging; social structure; troop management and habituation/training. These pages feature images and five different videos which help to explain the work and the techniques involved. Although the CfM is a breeding centre, the site clearly explains the kind of research projects in which animals bred there may be involved. Some of these are specifically to do with macaque welfare or are NC3Rs-funded projects and the importance of these is clearly explained.

<https://www.mrc.ac.uk/research/facilities-and-resources-for-researchers/mrc-centre-for-macaques>

## Queen's University Belfast

Queen's University Belfast has launched an animal research website that provides case studies about the impact research involving animals has had on society. One current case study relates to behavioural research in animals, demonstrating that not all animal research involves an invasive procedure. To facilitate greater transparency the website has a specific icon relating to 'statistics' providing a table that breaks down the species and numbers used. Animal species and numbers used since 2013 have been included and are updated annually. All photographs used are original images taken within the University's animal facility.

<http://www.qub.ac.uk/sites/AnimalResearch>

## University of Edinburgh

In February 2016, the University of Edinburgh created web pages that provide information about animal research aimed at a public audience. The site includes statements about how and why the University uses animals in research, along with case studies and examples of how the 3Rs are implemented. It has a news section that is regularly updated with research developments involving animals. For the first time, the University is pro-actively publishing its annual usage figures and photographs of laboratory animals in its facilities. A dedicated email address has been established for members of the public to contact for more information. The site is navigable from the University's homepage within two clicks.

<http://www.ed.ac.uk/research/animal-research>

## University of Manchester

The University of Manchester has created a website highlighting its research involving animals. Features include data on Home Office approved research at the University involving animals in the form of an infographic and easy-to-understand summaries of projects; newly commissioned images; powerful illustrations of the outcomes of the University's work with animals; comprehensive answers to some of the major misconceptions about research involving animals; details of its outreach work with the community; an explanation of its governance and culture so the public can understand and have confidence in its processes, and a dedicated email address so the public and journalists can ask for further information in a direct and accessible way.

<http://www.manchester.ac.uk/research/environment/governance/ethics/animals>

## University of St Andrews

The University of St Andrews has developed a new mobile responsive webpage that explains why it uses animals. The website provides animal numbers broken down by species for 2014 and 2015 and further explains why seals are used for its research.

<http://www.st-andrews.ac.uk/about/animal-research>

## The Pirbright Institute

Pirbright's animal research webpages explain that its scientists adhere to strict legislation, safeguarding animal welfare and meeting high ethical standards. It outlines how it strives to adopt higher standards than the Code of Practice requires wherever applicable. The website also includes images of the Institute's animals as well as dedicated pages covering information on its animal research; the 3Rs; FAQs; legislation; named persons and AWERB; and animal care & welfare including the role of animal technicians, sourcing and housing of animals and health monitoring. Species of animals used in Pirbright's research and the number of procedures undertaken during 2014 and 2015 are also included.

<http://www.pirbright.ac.uk/our-science/animals-research>

## Individual award for outstanding contribution to openness in animal research

*Presented by Professor Jeremy Pearson, PhD, FMedSci, HonFRCP, FESC*

Jeremy is the current Chair of UAR Council. He has been Associate Medical Director (Research) at the British Heart Foundation since 2002. The BHF is the major funder of academic cardiovascular research in the UK, and has consistently and publicly made clear that it will fund animal research, adherent to the highest standards, when there are no feasible alternatives. His own research career focused on the biology of blood vessels in health and disease. In 1991 Jeremy was appointed Professor of Vascular Biology (the first in the UK) at King's College London and is now Emeritus Professor. He was elected as a Fellow of the Academy of Medical Sciences in 2004 and an Honorary Fellow of the Royal College of Physicians in 2006.

