



# 79th Stephen Paget Memorial Lecture and Openness Awards Ceremony

7<sup>th</sup> December 2015  
Wellcome Collection, London





# Programme

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17:30      Arrival and Refreshments

18:00      Welcome Address

18:15      Openness Awards

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

19:00      79<sup>th</sup> Paget Lecture by Sir Colin  
Blakemore

*Four Stories about Understanding the Brain*

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 97 organisations in a pledge to be more open and transparent about the use of animals in research.

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

## Sir Colin Blakemore, FMedSci, HonFRCP, HonFRSM, HonFRSB, FRS

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Sir Colin Blakemore is Professor of Neuroscience & Philosophy in the School of Advanced Study, University of London, and Emeritus Professor of Neuroscience at Oxford. From 2003-7 he was Chief Executive of the Medical Research Council.

His research has been concerned with many aspects of vision, early development of the brain, plasticity of the cerebral cortex and neurodegenerative disease. He now leads a major project aimed at integrating philosophical and scientific approaches to human perception.

Colin has been President of the British Science Association, the British Neuroscience Association, the Physiological Society and the Society of Biology. He was the founding Chair of Understanding Animal Research.

He is strongly committed to the importance of engagement between scientists and the public, especially on ethical issues. He is a frequent contributor to radio and television, and he writes in the national press about science and science policy. He was knighted in 2014 for "service to scientific research, policy and outreach".

## 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 Iverson, 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, FRCPATH, CBiol, FIBiol  
1995 Professor Sir Walter Bodmer, FRS  
1996 Dr Keith Barnet, 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,  
2014 Professor Dame Linda Partridge DBE, FMedSci

# Openness award categories and nominations

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## Internal or sector engagement activity

*Presented by Vicky Robinson CBE*

Vicky is Chief Executive of the NC3Rs. The NC3Rs has been championing openness in animal research, nationally and internationally, for the last ten years, through its data sharing programmes and the ARRIVE guidelines. The latter promote transparent reporting of studies involving animals and have been endorsed by almost 600 journals. Vicky received a CBE for services to science and animal welfare in the 2015 New Year Honours List.

## Nominations

### Communicating animal research at Imperial College London

Imperial College and its Central Biomedical Services community have made step changes in their commitment to openness by developing internal and external communication activities such as giving talks; launching an animal technician apprenticeship scheme; sharing learning across the sector including presenting the College's response to infiltration; launching a research community newsletter and forum; promoting College animal research in corporate publications, and launching an award scheme to recognise excellence in animal research.



## Understanding animal research event by Parkinson's UK and the University of Oxford

In July the University of Oxford collaborated with Parkinson's UK to host an event for people affected by the disease to learn about the use of animals in research. During the afternoon topics ranging from why animal research is necessary and how it's led to advances in Parkinson's treatment, through to regulation and welfare were discussed and attendees were taken to see the labs and the research in action, including some of the mice used in the research. Feedback was excellent and the University hopes to hold similar events in the future for people affected and members of Parkinson's UK staff.

## Agenda Resource Management: welfare and openness Agenda

Agenda produced the website [www.agenda-rm.co.uk](http://www.agenda-rm.co.uk) which includes details on its Welfare First programme, case studies, and the "Got a Concern" process. It has developed Welfare First e-newsletters and Agenda extensively uses social media to share welfare statements, blogs and related articles. Its Tech Talk intranet and Tech Facebook resources update technicians and engage them to actively deliver articles on animal technology and welfare.

## MRC Laboratory of Molecular Biology's named persons posters

The MRC LMB developed a series of posters about the roles of each of the named persons in its facility. All of the named persons have a poster, with their name, photograph, and a description of their roles. These posters were developed for internal use, but the MRC LMB has considered using a version on its websites. Staff and visitors across the facility have real transparency as to who has an official role and what that role entails.

## Eurogentec promotes open communication on animal welfare

Eurogentec has a fully transparent policy regarding the use of animals and promotes open communication with its customers to develop an internal culture of openness regarding animal welfare. Transparency contributes to a greater consciousness of its customers and employees, leading to a spirit of continuous improvement towards animal welfare. To support this philosophy Eurogentec has created a brochure describing its facilities, processes, quality standards and ethical commitment which is available as hard and electronic copies.

## Supporting openness at King's College

To encourage more College researchers to speak openly about the role of animals in their research, the University hosted an afternoon of talks. Over 200 licence holders (from junior researcher to professorial level) voluntarily attended the event, which included a talk by Fiona Fox from the Science Media Centre on good practice in communication and openness about animal research and Jenny Gimpel from the press office about the support and channels available for researchers to engage with the media. This led to a number of staff adding themselves to the Directory of Experts available for comment to the media.

## Public engagement activity

### *Presented by Dr Simon Festing*

Simon is currently Head of Advocacy at the British Heart Foundation. He previously worked in the health/bioscience sector for over a decade, notably as Chief Executive at the Society for General Microbiology, and before that Chief Executive at Understanding Animal Research.

## Nominations

### Openness in animal research at the University of Leicester

In response to national media reports and a protest, the University of Leicester redefined its communications strategy to take a positive and engaged approach to animal research communications. The campaign involved internal communications that included face-to-face briefings; meetings with the local communities and stakeholders; a bold media campaign heralding the first occasion the University talked openly about animal research and careful co-ordination with police, suppliers, and campaign groups. This effective communications campaign has brought about a complete institutional culture change.

### Engaging public audiences with Imperial College's animal research

Imperial College uses its website to highlight its research using animals with photos and videos to illustrate each story. An annual research report is also published which includes photos, updates, case studies and interviews with staff and HO inspectors. The College hosted a series of events including a public debate about animal research with PETA, Dr Hadwen Trust, & Speaking of Research, an Animal Research Fringe which included a replica

animal facility and research on 3Rs and non-mammalian models, the Imperial Festival which prominently featured animal research and antimicrobial resistance, and Open Labs 2015.

## Breaking barriers at the Babraham Institute

The Biological Support Unit (BSU) at the Babraham Institute has installed internal cameras to allow visitors to be guided through all aspects of the facility in real time. The aim was to overcome the restraints imposed by the BSU's containment barrier and to allow groups to appreciate first-hand both the animal care environment and the nature of working within an animal research unit. The cameras, which are in every section of the unit, provide line of sight to mouse cages, procedure rooms as well as exposure to working practices. Visits are always hosted by a BSU Manager to add context and expert input.

## University of Leicester's Open Labs

During 2014 and 2015 the University hosted '*Open Lab Week*' for schools and colleges. A total of 12 visits took place for 107 students aged 14-18 years. Students received a short presentation from researchers about why animals are used, how research is done, and the types of studies being carried out. The presentations were followed by a comprehensive tour of the animal unit. A tour of the animal facility was also provided to the local news media following an article written about the University, and to an animal rights activist.

## School visit at Imperial College's animal facility

An event was organised in partnership with UAR, during which Westminster Academy school children were taken on a tour of the animal facility at Imperial College. The students met animal technicians and saw how mice and rabbits are housed and handled. They also participated in a practical lesson, studying the effect of ethanol and caffeine on the heartbeat rate of fresh water fleas under a microscope. Among the group of 14 was Ayah, who hopes to study medicine when she completes her International Baccalaureate at Westminster Academy. Following the visit she said: *"It was different to what you see in films and on television. The animals are well kept and the level of care is very high."* This visit shows what a positive impact public engagement projects like this can have on students' understanding of animal research.

## Media engagement or media stories

*Presented by Sir Colin Blakemore*

### Nominations

#### The Institute of Cancer Research's BBC Panorama: Can you cure my cancer?

Over two years, The Institute of Cancer Research gave BBC's Panorama in-depth access to its laboratories, including the animal facilities. The communications team worked closely with internal colleagues and partners to help give everyone the confidence to participate which resulted in the hour-long BBC One documentary 'Can You Cure My Cancer?' Panorama told stories of patients undergoing clinical trials at the ICR and The Royal Marsden hospital giving viewers a clear link between research, including animal research, and its human benefit and included a film of a live mouse imaging experiment. The documentary was realistic about the challenges and limitations of research as well as its opportunities, with one technique failing to help a patient featured in the programme.

#### Media engagement for primate research at Newcastle University

To highlight the use of primates in its research, the University published a press release and accompanying video to demonstrate movement being restored to a paralysed hand. This enabled the scientific research to be reported in an accurate manner and ensured informed and positive coverage. The video was made available on the University website and to date has been viewed more than 56,000 times. The benefit to humans was made clear throughout the release and the resulting comments left by members of the public were largely positive. The story was featured by IFL Science and Sky News.

## Visit by the Mirror to the King's College marmoset facility

In April 2014, the Mirror published an article on Animal Aid's call for charities to stop funding primate research. Roger Morris from the College invited the Mirror's reporter, Martin Bagot, to visit the university's marmoset facilities. Martin was given a tour of the animal facilities where researcher Sarah Rose explained in detail how and why marmosets are used in her research on Parkinson's. Director Ken Applebee outlined the history of opposition to animal research and increasing openness by institutions in recent years. Martin was allowed to take photographs and film during his visit and on 29<sup>th</sup> May 2014 the Mirror published an article including video and photographs taken in the marmoset facilities.

## Website or use of new media

*Presented by Sir Mark Walport FRS FMedSci*

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 of this Council 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.

## Nominations

### Babraham Institute's biological support unit goes online

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

Babraham redeveloped their website to increase the amount of information available about the use of animals in their research. The Institute wanted to be transparent about the animal research facilities on the campus as well as informing readers about the uses and limitations of animal research and alternatives. Members of the Biological Support Unit (BSU) joined the Institute's website project team to profile the BSU as a key facility. The website also includes '*A day in the life of an animal technician*', animal research examples and information on the Concordat.



## Imperial College London: animal research website

[www.imperial.ac.uk/animal-research](http://www.imperial.ac.uk/animal-research)

Imperial launched a comprehensive set of web pages to help deliver on its commitment to openness. The pages have since been updated to reflect changes to management of animal research at Imperial, including sections on regulation and oversight, welfare, 3Rs, communications, data on numbers and types of animal, commitments to communication and openness, and a section about the College's award scheme. The website also includes a live newsfeed of all stories tagged with animal research so that the pages include fresh content.

## Imperial College London: photography of animal research

During the course of Eleanor Browne's research on multiple sclerosis she collaborated with the College's press office to obtain professional photographs of the rats used in her studies. The photographs illustrate the rats being handled, health checked, and exploring the weighing station and have since been used on the College's website and in newsletters to give people a better idea of what the animal facility and animal research look like.

## The NC3Rs macaque website

[www.nc3rs.org.uk/macques](http://www.nc3rs.org.uk/macques)

The NC3Rs Macaque Website is a free, public resource for everyone who works with, or is interested in, laboratory macaques. It provides peer-reviewed, referenced information and practical guidance, including over 200 informative videos and images, on assessing macaque welfare and implementing best practice in their care and use. The site was developed and built by the NC3Rs; however experts from over 25 research organisations across five continents contributed material to this collaborative project. The NC3Rs harnessed its networks to source appropriate content, including dedicated filming of neuroscience studies at the

University of Oxford. The site demonstrates a major step forward in openness on this issue from all attributed organisations.

### Newcastle University: animal research website

<http://www.ncl.ac.uk/research/ethics/animal/>

Newcastle University has developed its animal research website to include University news involving animals, an annual list of animals used and project licences. The website also features a section about the benefits to human health from animal research to help put the University's research in context.

### Fighting cancer: animal research at the University of Cambridge

<https://www.youtube.com/watch?v=CK78IXTRH0s>

The University of Cambridge has created a film that presents an honest look inside an animal house, showing how mice are used in the fight against cancer, and discussing animal welfare and the search for alternatives. It does not shy away from explaining in detail how the animals are used and includes footage of mice with visible tumours and an anaesthetised mouse undergoing an ultrasound scan. The film was released on World Day for Animals in Laboratories, ahead of a planned demonstration in Cambridge, and has had over 10,000 views.



