82nd Stephen Paget Memorial Lecture and Openness Awards Ceremony

3rd December 2018
Royal College of Physicians, London

#ConcordatOpenness

Wifi Details

Network: RCP wifi

Password: your email address

Programme

17:30 Arrival and Refreshments

18:00 Welcome Address

18:10 Openness Awards

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

18:30 82nd Paget Lecture by Professor John O'Keefe

What rodents have taught us about spatial cognition and memory

19:30 Drinks Reception

21:00 End

The Stephen Paget Memorial Lecture

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

The Concordat on Openness launched in May 2014 and has to date brought together 121 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.

Professor John O'Keefe, FRS

John O'Keefe is Professor of Cognitive Neuroscience at the Sainsbury Wellcome Centre, University College London and a Principal Research Fellow of the Wellcome Trust. In 2014, he was awarded both the Kavli Prize for Neuroscience and the Nobel Prize for Physiology or Medicine.

He is interested in the role of the hippocampal formation in spatial and episodic memory, and navigation. He discovered that hippocampal pyramidal cells in the rat respond selectively to an animal's spatial location. The discovery of 'place cells' suggested that this part of the brain might function as a cognitive map, a notion developed extensively by himself and Nadel (www.cognitive map.net) and now the dominant theory of hippocampal function. Numerous subsequent behavioural and neurophysiological experiments have contributed to our understanding of the place cells including their development prior to spatial experience. In 1993, he discovered phase precession, the coding of location by spike times relative to the hippocampal theta rhythm, still the best evidence for coding by spike timing. More recently, with Neil Burgess and Eleanor Maguire, he showed how the cognitive map theory could be used to understand the role of the human hippocampus in navigation and episodic memory. He is currently applying these ideas and techniques to the study of Alzheimer's dementia.

Past Paget Lecturers

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, FRCPath, 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,
2014 Professor Dame Linda Partridge DBE, FMedSci
2015 Professor Sir Colin Blakemore, FMedSci, HonFRCP, HonFRSM, FRS
2016 Professor Sir Mark Walport, FRS, FMedSci
2017 Professor Clive Page, OBE, PhD, FSoB, FBPhS

Openness award categories and nominations

Internal or sector engagement activity

Presented by Dr John Landers

John graduated in Human Sciences from Oxford University before undertaking doctoral research in historical demography at Cambridge. He has worked as a transport fuels demand analyst for Shell UK and as a University Lecturer at University College London and Oxford University, where he was Principal of Hertford College from 2006-20011. At Oxford he chaired the University's Committee for Animal Care and Ethical Review from 2000 to 2013, when he became chair of the Home Office's Animals in Science Committee. His published works include *Death and Metropolis* and *The Field and the Forge*.

Nominations

GlaxoSmithKline

GSK has developed a live, interactive virtual tour of its animal facilities at Ware and Stockley Park in order to give staff an overview of the research undertaken in the UK. The animal facilities have been fitted with WiFi so technicians can move around the labs using an iPhone to capture the research. This interactive tour means viewers have the opportunity to ask technicians questions.

Newcastle University

Newcastle University is the co-ordinator of the AWERB Northern hub and has been instrumental in bringing members together to share best practice around openness. This has included sharing best practice around webpages, openness statements and engagement activities; the importance of lay summaries, including implementing checks into approval processes; applying ethical rigour and openness to unlicensed work, and improving welfare standards.

Public engagement activity

Presented by Professor Tilli Tansey, OBE

Tilli Tansey was a neuroscientist for many years. Following a PhD on the Octopus brain she worked on animal models of neurological disease, before becoming a medical historian. She has published widely on the history of the drug industry, animal experimentation, and modern biomedicine, especially the 'Witness Seminar' series of which she has co-edited over 60 volumes. She was awarded an OBE in 2015 for services to medical research and public engagement, is a Fellow of the Academy of Medical Sciences, an Honorary Member of the Physiological Society and an Honorary Fellow of the Royal College of Physicians and the Royal Society of Medicine.

Nominations

Imperial College London

Imperial has developed a Google Expedition around its animal research facilities, in order to give virtual access to curious school pupils and teachers across the world. The expedition explores six different labs and students can learn more about the work that goes on in each and see the range of animals including rabbits, rats, guinea pigs, mice and zebra fish. You can view Imperial's animal research Google Expedition by downloading the Google Expeditions app onto a mobile device.

https://edu.google.com/expeditions/#about

MRC Brain Network Dynamics Unit

The work of the MRC Brain Network Dynamics Unit has been exemplary - perhaps due to the outstanding advocacy shown by Professor Paul Bolam and Deputy Director Peter Magill. Every public engagement activity makes mention of animals, including an Open Day for people affected by Parkinson's disease (patients, carers, family, and other lay members of the Oxford and Banbury groups of the charity Parkinson's UK) to learn more about the Unit's research on the causes and treatment.

Public Health England

Gary Burgess has made exceptional progress in engaging with school children during British Science Week by devising highly interactive activities regarding the use of animals in research. The feedback from these activities has been very positive and Gary now intends to engage further with schools and extend his activities to adults through events such as Science Museum Lates and New Scientist Live.

University of Cambridge

During the 2018 Cambridge Science Festival, the public had the opportunity to meet researchers and animal care staff from the University during an event that explained how studies are designed to answer important scientific questions, as well as maximising the well-being of the animals involved.

University of St Andrews

Researchers from the University of St Andrews have been involved in a vast array of engagement activities, from Bioblitz on the beach, where marine life is discussed with the public, to Explorathon, where researchers discussed the brain. Researchers have also used the University's social media accounts to highlight their work, including the use of Twitter to present activities around animals in research.

University of Strathclyde

This year the University of Strathclyde has engaged with local schools via a number of activities. The University has hosted tours of its animal facilities to local students, given presentations and been involved with science festivals, allowing researchers to explain their work.

Media engagement or media stories

Presented by Professor John O'Keefe, FRS

Nominations

Royal Veterinary College

In order to promote an international collaborative research project exploring the potential for gene editing to treat Duchenne Muscular Dystrophy (DMD), the RVC produced a robust media and messaging plan, which enabled the College to secure coverage on the BBC News. The BBC was allowed to film some of the dogs involved in the research and interview the lead researcher. The BBC World News segment was broadcast across the world for a 24 hour period, and promoted the findings of the international collaboration highlighting the wider significance that the research might have.

University of Edinburgh

Researchers at the University of Edinburgh's Roslin Institute produced gene-edited pigs that are resistant to a deadly virus that costs the global farming industry around £1.75 billion each year. In the months leading up to the announcement, the University prepared video and photography of the pigs that could be made available to the media. BBC TV crews were given advance access to film the procedure involved in generating gene-edited pigs – including surgical removal of embryos and micromanipulation of the embryos in the lab. This was the first time the University had granted access to film a scientific procedure on any animal and the package was aired on BBC News.

Website or use of new media

Presented by Professor Max Headley

Max Headley is emeritus Professor of Physiology in the School of Physiology, Pharmacology and Neuroscience at the University of Bristol. Max's research interests were the neuroscience of sensory inputs to the spinal cord, with an emphasis on the actions of painkillers and anaesthetic agents, using a variety of experimental approaches in laboratory animals, primarily in vivo. He has held almost all of the main roles under ASPA: Personal Licence, Project Licence, deputy to Named Veterinary Surgeon, deputy to Certificate Holder, Chair of the local Ethical Review Group and has also run the University's animal facility. He has also been involved at the national level in advising on animal research policy, previously as a member of the Council of UAR and the Society of Biology's Animal Sciences Group, and currently for the Physiological Society and the UK Bioscience Coalition.

Nominations

Imperial College London

A series of Reddit interviews with Imperial researchers were organised to raise awareness of the use of animals in research. Professor Richard Reynolds and Dr John Tregoning spoke about how their work involving animals forms an important element of Multiple Sclerosis research and developing drugs and vaccines against lung infections.

https://www.imperial.ac.uk/news/185131/ask-me-anything-researcher-talks-about/

http://www.imperial.ac.uk/news/187130/respiratory-infection-expert-opens-floor-questions/

King's College London

King's College London has produced two educational films and associated interactive e-learning tools to raise awareness about the use of non-human primates in research; explain the unique welfare and legal challenges involved in using NHPs and 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine -treated marmosets in Parkinson's research; and illustrate on-going refinements put in place to improve welfare.

https://www.bps.ac.uk/education-engagement/research-animals/curriculum-for-the-use-of-research-animals/introductory-resources

Motor Neurone Disease Association

MND Association has developed a whole new section for its website that looks at all aspects of animal research including why animals are used, how animals help our understanding of MND, how researchers adhere to the ARRIVE guidelines and the 3Rs, and how the animals involved are cared for.

https://www.mndassociation.org/research/our-research/animal-research/

University of Bath

The University of Bath has redesigned its animal research webpages and significantly revised the material available to be more easily accessible and searchable. Available information includes policies, codes and procedures; facts and figures; case studies, and news research involving animals at the University.

http://www.bath.ac.uk/topics/animal-research/

University of Leeds

In order to provide a considerable amount of detailed information about the animal research being done at the University of Leeds, short lay paragraphs about each of the University's animal research projects is include on the website, which also links to the full non-technical summary.

http://www.leeds.ac.uk/info/5000/about/520/animal_research

University of Manchester

The University of Manchester's animal unit regularly engages with the local community by hosting lab tours. In order to bring the unit to an even wider audience, it has launched a 360 degree virtual tour, which allows users to see the unit in three dimensions at the click of a mouse.

https://www.manchester.ac.uk/research/environment/governance/ethics/animals/virtual-tour/

University of Reading

The University of Reading has custom-built a new animal research website, designed for ease of use, readability, and containing information suggested by UAR's best practice guidelines. The website has a clear, unambiguous URL address, and is only two clicks away from the main homepage.

https://www.reading.ac.uk/research/research-environment/animal-research.aspx

Notes


Royal Veterinary College
Newcastle University
Aberystwyth University
ucb
Parkinson's UK
Change attitudes. Find a cure. Join us.
Babraham Institute
Alzheimer's Research UK
abpi
Bringing medicines to life
Institute of Animal Technology
University of Birmingham
BBSRC
AHT
Animal Health Trust
sequani
GlaxoSmithKline
ENVIGO
NC3Rs
University of Bradford
University of Glasgow
Biochemical Society
University of Leeds
University of St Andrews
The University of Nottingham
University of Surrey
The Royal Society
wellcome
The Physiological Society
British Society for immunology
US University of Sussex
mnda
Animal & Plant Health Agency
msc
Arthritis Research UK
Bloodwise
University of Exeter
MS Society
The Open University
Microbiology Society
Brunel University London
University of Bath
Queen Mary University of London
British Heart Foundation
St George's University of London
UCL
Universities UK
asthma UK
fera
Understanding Animal Research
BIA
Ulster University
Robert Gordon University Aberdeen
Life Science Recruitment
University of York
BAP
British Association for Psychopharmacology
Rothamsted Research
Society for Endocrinology
Pfizer
charles river
VSC
Veterinary Schools Council
wellcome trust sanger institute
University of Liverpool
University of Stirling
amrc
Durham University
Imperial College London
The Francis Crick Institute
Moredun Research Institute
LABA
University of Aberdeen
UEA
University of East Anglia
BHA
University of Cambridge
British Pharmacological Society
British Andrology Society
Royal Society of Biology
University of Leicester
John Innes Centre
SEB
LAVA
Cancer Research UK
Wickham
Cefas
University of Southampton
BNA
British Neuroscience Association
Aston University
Cystic Fibrosis Trust
leuka
leading leukaemia research
Lilly
University of Reading
Porton Biopharma
University of Oxford
The Pirbright Institute
King's College London
The University Of Sheffield.
MRC Medical Research Council
bts
laasa
Laboratory Animal Science Association
COVANCE
SOLUTIONS MADE REAL
Cardiff University
Prifysgol Caerdydd
Eurogentec
Manchester 1824
The University of Manchester
University of Portsmouth
University of Bristol
University of Dundee
Public Health England
ICR The Institute of Cancer Research
agenda
Life Sciences
London School of Hygiene & Tropical Medicine
EPSRC
Engineering and Physical Sciences Research Council
ovarian cancer action
University of Strathclyde Glasgow
Queen's University Belfast
The Humanimal Trust
Succeed with Plymouth University
The Academy of Medical Sciences
AstraZeneca
Health Connects Us All


CONCORDAT ON OPENNESS ON ANIMAL RESEARCH IN THE UK