



85th Stephen Paget Memorial Lecture and Openness Awards Ceremony

5th December 2022
Royal College of Physicians
London

#ConcordatOpenness



UK Research
and Innovation

The RCP provides complimentary WiFi access

Programme

- 18:00 Arrival and refreshments
- 18:30 Welcome Address
- 18:40 Openness Awards
- 19:00 85th Paget Lecture by Professor Cherry L
Wainwright
- Getting to the Heart of the Matter: How animal research
has helped us understand and treat cardiovascular
disease*
- 20:00 Drinks and canapes
- 21:30 End

The Stephen Paget Memorial Lecture



The Stephen Paget Memorial Lecture is a scientific lecture that commemorates the life of Dr Stephen Paget.

Stephen Paget (1855 – 1926) was the founder of the Research Defence Society, a forerunner of Understanding Animal Research. As a medical doctor, 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 colleagues and by 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 127 organisations in a pledge to be more open and transparent about the use of animals in research.

The Openness Awards celebrate the achievements of the Concordat, and tonight we will recognise and reward signatories that have embedded best practice into their open animal research communications.

Professor Cherry L Wainwright



Cherry graduated from the University of Aberdeen with a BSc (Hons) in Pharmacology and the University of Strathclyde with a PhD in Cardiovascular Pharmacology. She spent over 20 years at Strathclyde University as an academic, before moving to the Robert Gordon University in 2003 as a Research Professor and Director of the Institute for Health & Wellbeing Research (2007-2015). She is now the lead in Cardiometabolic Health Research and Co-Director of the Centre for Natural Products in Health.

Throughout her career, Cherry's research has focused on mechanisms underlying the pathophysiology and the identification of novel therapeutic targets of cardiovascular diseases; and one of the main threads has been the evaluation of the role of endogenous biological mediators as both the perpetrators of, and protective substances against, cardiovascular disorders. For the last 16 years her emphasis has been on the role of the endocannabinoid system in cardiac (ischaemia/reperfusion) and vascular (atherosclerosis, restenosis) injury and energy regulation in the cardiovascular system. Her seminal paper on the cardioprotective effects of CBD opened up her current research programme that focuses on the role of the putative cannabinoid receptor GPR55 in regulating cardiovascular physiology and pathophysiology and the role this receptor plays in the relationship between obesity, metabolic syndrome and the development of cardiovascular disorders.

Cherry is a Fellow of the British Pharmacological Society and the Higher Education Academy, a member of the IUPHAR Natural Products Section Committee, sits on Scientific Advisory Boards for several organisations and is currently Vice President (Meetings) for the British Pharmacological Society. Within the BPS she also served on the Integrated Pharmacology and Animal Welfare Panel for a number of years and is a member of her University's AWERB.

Past Paget Lecturers

- 1927 Professor Julian Huxley
- 1928 Sir Bernard Spilsbury
- 1929 Professor A V Hill
- 1930 Lady Mellanby
- 1931 Sir Henry Dale
- 1932 Sir Arthur Keith
- 1933 Major General Sir Leonard Roberts
- 1934 Sir Joseph Barcroft
- 1935 Professor Sir Frederick Hobday
- 1936 Sir Malcolm Watson
- 1937 Professor G Grey Turner
- 1938 Professor Charles H Best
- 1939 Sir Edward Mellanby
- 1945 Sir William Savage
- 1946 Brigadier Sir N Hamilton Fairley
- 1947 Professor G H Wooldridge
- 1948 Professor P A Buxton
- 1949 Sir Charles A Lovatt Evans
- 1950 Professor E D Adrian
- 1951 Sir Wilson Jameson
- 1952 Sir Howard Florey
- 1953 Sir James Learmonth
- 1954 Sir Geoffrey Jefferson
- 1955 Sir Henry Dale
- 1956 Professor A A Miles
- 1957 The Rt Hon the Lord Cohen of Birkenhead
- 1958 Mr Richard Fort
- 1959 Sir Solly Zuckerman
- 1960 Professor J Harold Burn
- 1961 Sir Hugh Linstead
- 1962 Sir Derrick Dunlop
- 1963 Sir John Ritchie
- 1964 Professor Alex Haddow
- 1965 Professor D D Reid
- 1966 Sir Peter Medawar
- 1967 Professor A S Parkes
- 1968 Mr Christopher Mayhew
- 1969 Sir John Boyd
- 1970 Professor F G Young
- 1971 Professor Sir Michael Woodruff
- 1972 The Rt. Hon. The Earl of Halsbury
- 1973 Professor James Learmonth Gowans
- 1974 Dr W M Henderson
- 1975 Dr Arnold S V Burgen
- 1976 Dr Robert Murray
- 1977 Professor S Shuster
- 1978 Professor W D M Paton
- 1979 The Rev Canon G R Dunstan
- 1980 Godfrey J Carter
- 1981 Sir John Butterfield
- 1982 Professor Ernst Barany
- 1983 Professor Roy Calne
- 1984 Sir John Vane
- 1985 Baroness Mary Warnock
- 1986 Professor Ian A Silver
- 1987 Professor Sir Stanley Peart
- 1988 Dr Leslie L Iversen
- 1989 Professor W F H Jarrett
- 1990 Lord Walton of Detchant
- 1991 Dr Frederick K Goodwin
- 1992 Dr Bridget Ogilvie
- 1993 Dr Salvador Moncada
- 1994 Dr Ian Purchase
- 1995 Professor Sir Walter Bodmer
- 1996 Dr Keith Barnett
- 1997 Professor Grahame Bulfield
- 1998 Professor Trevor Jones
- 1999 Professor Steve Jones
- 2000 Baroness Susan Greenfield
- 2001 Sir Richard Sykes
- 2002 Professor Lord Winston
- 2003 Lord Sainsbury of Turville
- 2004 Lord Robert May
- 2005 Professor Mark Ferguson

2006 Dr Gill Samuels
2007 Professor Chris Higgins
2008 Professor Paul Andrews
2014 Professor Dame Linda Partridge
2015 Professor Sir Colin Blakemore
2016 Professor Sir Mark Walport

2017 Professor Clive Page
2018 Professor John O'Keefe
2019 Professor Dame Nancy Rothwell
2021 Professor Clare Stanford
2022 Professor Cherry L Wainwright

Save The Date

Monday 4th December 2023

UAR's tenth annual Openness Awards and the 86th Stephen Paget Memorial Lecture

The Paget Lecture will be given by Amrita Ahluwalia, Professor of Vascular Pharmacology and Director of The Cardiovascular Clinical Trials Unit at The Faculty of Medicine & Dentistry, Queen Mary University of London, and Editor-In-Chief, British Journal of Pharmacology.

The 2022 Openness Awards

Presented by Professor Cherry L Wainwright (Biography on p.5)

Presented by Dr Lesley Penny

Dr Lesley Penny was Named Veterinary Surgeon at The Roslin Institute for 15 years, her only claim to fame being that she was one of Dolly the sheep's vets. She became the Director of Bioresearch and Veterinary Services at the University of Edinburgh in 2014 and is delighted that the university is now so engaged in openness. Lesley is looking forward to seeing how that continues to develop after her departure at the end of the year to become a full-time minister in the Scottish Episcopal Church. Lesley has been a member of Council for UAR since 2017.

Presented by Dr Claire Cockcroft

Claire read Biochemistry at Somerville College, Oxford and received a doctorate in plant molecular biology from the University of Cambridge in 1998. A Media fellowship at The Guardian catalysed a career change into science communication and, in 2005, Claire joined the Babraham Institute, with responsibility for communications, public engagement and PR. She grew a successful Science & Society Programme, delivering science activities for schools and science festivals, and created events focused on research with animals and careers in animal technology. From 2016-2022, Claire was a member of Council at UAR. Having pioneered an interdisciplinary Masters in Bioscience Enterprise at Cambridge, Claire's interest in mentoring and education drew her back to Somerville in 2016. As Director of the Thatcher Scholarship Programme, she provides mentoring across the student body, supporting the transition to academic study and research careers.

Shortlisted Nominations

The Academy of Medical Sciences

Last year, the Academy published a short booklet about why its researchers work with animals and how they minimise their use. The booklet features eight Academy-funded, UK researchers and explains how they follow the principles of the 3Rs and the impacts of their research. Case studies include

vets studying animals to improve animal health, computer scientists replacing animals with simulated models, and people researching mice, rats and zebrafish, and how they are helping develop new treatments and medicines.

Each case study draws attention to the importance and benefits of that researcher's work and examines the basis for using a particular animal within that research. Specific actions, good practice, and partnerships are also highlighted, ensuring animal welfare and adherence to the 3Rs, alongside challenges in achieving this.

The booklet can be found on the Academy's website.

AstraZeneca

In conjunction with Americans for Medical Progress, AZ held a virtual event from five animal research sites, including Cambridge UK, for students at 18 different schools.

The session lasted one hour and live presenters introduced four videos showing footage of animals undergoing procedures in the five different units. The videos included footage of pigs on myocardial infarction studies, intranasal dosing in a mouse, tumour measurement of mice, and mice returning to their home cages after being in a smoking chamber to develop treatments for COPD.

The presenters described the procedures shown and how they contribute to bringing medicines to patients. Topics such as the 3Rs and culture of care, and the importance of these for animal welfare and good science were also discussed. Before the event started the schools had the opportunity to submit questions, which were answered live by a selection of scientists.

Babraham Institute

The communications team and BSU management worked together to produce the Institute's first publicly available video that showcases the animal research facility. The video was created as part of a suite of videos to illustrate the expertise and capabilities within the Institute's nine facilities.

The animal facility video provides footage of mice in cages, the animals' wider environment and animal technicians carrying out their work.

The video can be found on Babraham's website and YouTube channel.

The Francis Crick Institute

One of the main objectives of the Crick is to engage and inspire the public with discovery science. The Crick fulfils this objective through a multitude of activities, from helping the local community in the Living Centre, to running science classes for children of primary and secondary schools both at the Crick and in schools, organising festivals and open days, and engagement via social media and exhibitions done at and outside of the Crick. Finally, there are externally facing webpages where the public can easily find information on animal work done at the premises including species, examples of 3Rs, and non-technical summaries.

The Crick website clearly states that the institute uses animals in its research, and this is communicated further through social media, articles, and videos.

The Crick also hosts numerous in-person events for further engagement opportunities. The current exhibition at the Crick directly engages members of the public and cancer survivors on research involving animals. A recent Discovery Day gave members of the public an opportunity to speak directly with Crick scientists and ask questions about animal research, and an online Family Zone engages younger audiences with animal research. The Crick also uses Pint of Science events and its own Meet the Science initiative to talk about its animal research.

GSK

To accompany a whole site redesign, the GSK animal research webpages have been updated to include the following information:

- Images of laboratory animals as well as a rodent heart image.
- An open position statement on animal research and 3Rs in a new public policy position that is linked from the webpages on the Responsible care and use of animals at GSK.
- Re-written text on the animal research webpage in a more contemporary and active voice, with recent examples.
- Summarised for the first time externally, GSK's aim to reach 75% reduction in animals in Vaccines Quality Control by 2025.
- Quotes from the Head of Research, John Lepore and Chief Veterinary Officer, Margaret Landi. Both individuals are named and attributed to the quotes.

- Reformatted FAQs that include reporting animal numbers used in 2021.

Newcastle University

Earlier this year, the university held its inaugural educational youth visit for school-aged children. The day included:

- An introduction to life in the animal unit, for the animals and the animal care team
- A visit to the unit to see food and housing for mice being prepared and cleaned
- A demonstration of the daily welfare checks done with mice
- An opportunity to see rats in their playpens and learn about their different needs compared to mice
- A visit to the macaque facility to learn about and feed the animals.

The university is planning to run similar visits 2-3 times each year.

University of Cambridge

The UBS webpages are being continually updated, where public facing sections are enhanced and improved regularly to emphasise the university's commitment to openness. The home page has been populated with UBS animal photographs and teasers that take the reader directly to accessible information. A new 'Public Engagement' section has also been introduced that includes details on the following activities:

At this year's Cambridge Festival, UBS staff were joined by university researchers who spoke to members of the public about why they use animals in scientific research and described how they are committed to the 3Rs.

UBS has also been involved in producing a digital podcast to share information with the public. The podcast, entitled, 'Say That Again Slowly', is hosted by students and recent graduates, and involves a casual chat about a particular subject where the presenter asks basic questions from the perspective of someone who is curious but not knowledgeable. During this podcast, Selina Ballantyne, a UBS Licence Manager and NTCO, responded to a mix of expected and unexpected questions about animal research.

The podcast is available to download from the Cambridge and NC3Rs website.

University of Hertfordshire

The university organised a '3Rs at UH' poster event at the School of Life and Medical Sciences' annual conference. The event included 10 posters, presented by researchers and technicians, covering each 'R'. The BSU had a stand that included video footage of animal behaviour, simulation, husbandry enrichment and other educational resources.

The event brought together academics and professional staff, research students, named officers, and technicians to highlight the benefits of animal and non-animal research and how the university's researchers and technicians minimise, refine, and replace their use.

University of Manchester

This year, the University of Manchester developed a brand-new video depicting a day in the life of an animal technologist. Rachel Bowden leads the video and takes the viewer through her work with sheep and *Rhabdomys* mice. Rachel explains the relevance of the work, the strict licensing conditions under which scientists work and how the unit's technologists use enrichment to enhance the welfare of these animals. The video also depicts fish and rats. It was released on YouTube, Twitter and LinkedIn and drove traffic to 3Rs case studies on the university's animal research webpages.

This was the first time the university has engaged in substantial social media around its use of animals, and after months of planning, the video was well received across platforms.

University of Reading

Recent debates about openness and freedom of speech on university campuses, and the passage of the Higher Education (Freedom of Speech) Bill, has once again drawn attention to the right to protest and the right to speak freely within the law at universities. At the same time, there has been an increase in activity and protests from those opposing animal research – often associated with a rising interest in animal rights and veganism, linked to environmental and health concerns.

In the past year, the university has won praise for its proactive defence of freedom of speech within the law. This has extended to defending the rights and welcoming protests from those who seek to highlight its research work with animals.

At a recent two-day protest, timed to coincide with an Open Day, staff from the University spoke to a small group of protestors. Over a cup of tea (with soya milk), the two parties had an open chat about some of the issues. Material was exchanged, some photos were taken, and the University honoured a promise to share the protestors' key points, including links to websites, to all staff involved in animal research, including PPL holders. The groups also exchanged contact details, and it is hoped that the exchange could lead to further positive interactions in the future.





