



Stephen Paget Memorial Lecture and Openness Awards 2023

4 December
Royal College of Physicians
London





Signatories to the Concordat on Openness on Animal Research 2023



Programme 2023

18:00	Registration and refreshments
18:30	Welcome Address
18:40	Openness Awards
19:00	86 th Stephen Paget Memorial Lecture by Professor Amrita Ahluwalia: "Sex and drugs: my rock and roll"
20:00	Drinks and canapés
21:30	End



#ConcordatOpenness

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The Stephen Paget Memorial Lecture



The Stephen Paget Memorial Lecture is a scientific lecture that commemorates the life of Dr Stephen Paget, delivered by a leading figure in the UK life-sciences.

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 UAR Openness Awards

The Concordat on Openness was launched in May 2014 and has, to date, brought together 126 organisations in a pledge to be more open and transparent about the use of animals in research.

The Openness Awards recognise and celebrate some of the outstanding achievements by Concordat signatories towards furthering openness in animal research.



The 86th Stephen Paget Memorial Lecture

Delivered by Professor Amrita Ahluwalia



Professor Amrita Ahluwalia is Dean for Research in the Faculty of Medicine and Dentistry at the Barts and London School of Medicine and Dentistry, Director of the UKCRC-accredited Barts Cardiovascular Clinical Trials Unit, and Professor of Vascular Pharmacology at Queen Mary University of London where she is a Principal Investigator leading the Vascular Pharmacology Group.

Amrita is a translational pharmacologist, taking her basic bench discoveries through to the clinical setting. Her research focuses on understanding the role of inflammation in cardiac and vascular disease with a focus upon the non-canonical pathway for NO generation (the nitrate-nitrite-NO pathway) and delineating the mechanisms that underlie sex differences in cardiovascular physiology and disease. She received the GSK Prize for Clinical Pharmacology from the British Pharmacological Society in 2012 and the Women into Science and Engineering (WISE) Prize for Research in 2015.

Amrita was Editor-In-Chief of the British Journal of Pharmacology between 2016–22 and is a Fellow of the British Pharmacological Society (BPS). Between 2004–6 she sat on the Executive Committee and Council for the BPS and was a member of the BPS Education Committee and Chair of the Women in Pharmacology Group between 2007–10. Since 2017, she has been a member of the NC3Rs Review Committee and the ARRIVE Guidelines Panel, reflecting her deep interest in laboratory animal welfare. Amrita is committed to tackling inequality in the workplace and has led numerous initiatives supporting both gender and racial equality.

The inaugural Professor Sir Colin Blakemore Memorial Award

Presented by Professor Amrita Ahluwalia to Aimee Paterson, Small Animal Facility Supervisor at the Babraham Institute



Professor Sir Colin Blakemore was a brilliant scientist and spokesman for science. His campaigning work on openness on animal research in the face of extremism and personal attacks transformed the UK bioscience sector and was recognised with UAR's very first Openness Award in 2014.

In memory of Sir Colin, and with funding from the Biomedical Research Education Trust, the Professor Sir Colin Blakemore Memorial Award recognises an individual from a signatory organisation who has gone beyond the expectations of their role and put their head above the parapet for openness.

There are hundreds of people in the biosciences doing lots of things to push openness forwards, who aren't always recognised for their hard work, and this award is about them.

UAR is delighted to award the inaugural Professor Sir Colin Blakemore Memorial Award to Aimee Paterson, Small Animal Facility Supervisor at the Babraham Institute. Aimee was nominated by her colleague Louisa Wood for her leadership in coordinating the facility's participation in a takeover of UAR's Instagram account. UAR was impressed by Aimee's enthusiasm and willingness to place herself and her facility before a very public and uncontrolled audience, exemplifying the courage and dedication that is the spirit of this award.

Openness Awards Shortlisted Nominations

*The 2023 UAR Openness Awards will be presented by **James Bussell**, Director of Biomedical and Veterinary Services at University of Oxford, and **Mark Downs**, Chief Executive of the Royal Society of Biology.*



James began his career at GlaxoSmithKline, spending 18 years working between Animal Technology, GA mouse production and Facilities Management. In 2007 he moved to the Wellcome Sanger Institute as the Head of the Research Support Facility. James was deeply involved in the efficient delivery of the high throughput mouse production and its subsequent phenotyping. In October 2018 James took up the

Directorship of the Biomedical Services department at the University of Oxford, where he provides support to the academic community and its diverse research portfolio.



Mark worked in senior roles in the disability and charity sector and in central government before joining the Society of Biology as Chief Executive. He was a British diplomat in Japan for six years covering trade policy and market access, especially in legal services and telecoms. He led negotiations with the EU and member States for the UK on a range of environmental directives and their translational into

UK law for four years whilst at the Department for Trade and Industry. He has held a number of *pro-bono* board roles, including, currently, at the Campaign for Science and Engineering (CASE) and the University of Kent (Council). Mark has a PhD in Medical Diagnostics.

Shortlisted nominations

University of Cambridge

The importance of large animal models in research to improve outcomes from organ transplant surgery is explored in a film focusing on the University of Cambridge's Department of Surgery.

Released on YouTube and X (Twitter), the film offers vital insights into the relevance of large animal models for this work and the advances it is contributing to. It explores the ethical challenges this research presents and how the 3Rs are applied to protect animal welfare, including another linked short film focused on pig welfare.

Details of the application of the 3Rs that can be seen in the film will also be recorded in the '3Rs Enquiry List' being developed by Maggie Gentry, Director for Governance and Welfare. The Enquiry List will share information about animals, tissue, techniques, experience and 3Rs knowledge and training, contributing to openness facilitating the application of the 3Rs in Cambridge and beyond.

<https://youtu.be/9QCHw7lv5IU>

University of Manchester

The methodology and motivation behind groundbreaking new models to replace mammals in investigations into early-stage brain haemorrhage are lucidly explained in the University of Manchester's lively, eight-minute film that makes clever use of interviews and animations to explain complex science for specialist and general audiences.

The alternative models, developed by NC3Rs Training Fellow Dr Siobhan Crilly, include a larval stage zebrafish and a human cell system. In her film, created with the support of Dr Jo Stanley and Mike Addelman, Dr Crilly explores the advantages of both approaches and her on-going work to replace animals entirely by developing a method to generate a human model in a dish.

Dr Crilly hopes the film will improve public understanding of replacement animal technologies and encourage other stroke researchers to adopt the new methodologies. The film is available in longer and shorter versions, on YouTube and on other social media, to increase accessibility.

www.youtube.com/watch?v=hsSwcmoeihw

https://twitter.com/FBMH_UoM/status/1688474494145282048

Imperial College London

New social media campaigns to raise awareness of laboratory animal welfare and to amplify the voices of the technologists who are responsible for it, demonstrate the power and effectiveness of bold, co-ordinated, approaches to social media communication.

As part of the IAT's #TechMonth Campaign, a team from ICL biological services created a series of threads to share on X (Twitter) that gave voice to their feelings and experiences, providing a rare opportunity to directly communicate to a large audience their pride, knowledge and expertise.

The success of the X (Twitter) campaign was followed by a takeover of the UAR Instagram account for #MicelInResearch week. A team that combined animal unit staff, a PhD student and a senior researcher opened the door to the UCL breeding unit for thousands of Instagram followers.

More content is now being planned, including for platforms such as TikTok which is hugely influential among younger people.

University of Edinburgh

Co-created with teachers, the University of Edinburgh's 'Imaging-Inside-Out' project is a physics engagement programme for Scottish secondary students. It aims to improve understanding of the role of physics in diagnostic imaging techniques, to help students understand the use of animals in medical research, and to build confidence in speaking about animal research among the post-doctoral researchers and PhD students who lead the discussions.

Students are given a brief overview of imaging techniques used in hospitals. They then use hand-held ultrasound scanners to image 3D miniaturised shapes and 3D-printed mice in opaque gels before taking part in a structured discussion about the role of animals as research models.

The programme had a positive impact on students' understanding of animal research and significantly increased the confidence of demonstrators to talk about the subject. Parts of the programme were run again with students in a Latvian school and will be repeated in Scotland in the new year.

University of Hertfordshire

Improving openness requires better understanding of the concerns, values and perceptions of target audiences. The University of Hertfordshire ran a survey of its student population to discover where its openness programme was in need of improvement and how that could be achieved. The survey delivered clear recommendations on how to enhance openness in webpages, tutorials and practicals in the biosciences.

The survey responses were highlighted in a poster presentation at a dedicated 3Rs openness event held at the 2023 LMS annual research conference. The event also included posters exploring topics such as ethical considerations of undergraduate bioscience students for their research-informed teaching, and refinement research (including a project funded by the NC3Rs), an impact interview with research and technical staff, and a three-minute video showing enrichment practices for laboratory animals and including an interview with an animal researcher and animal technician.

Save the date: Stephen Paget Memorial Lecture and Openness Awards 2024

Monday 2 December 2024, Francis Crick Institute

Presented by Professor Robin Lovell-Badge, CBE, FRS, FMedSci, Principal Group Leader and Head of the Laboratory of Stem Cell Biology and Developmental Genetics at the Francis Crick Institute.

Previous Paget Lecturers

1927 Professor Julian Huxley	1974 Dr W M Henderson
1928 Sir Bernard Spilsbury	1975 Dr Arnold S V Burgen
1929 Professor A V Hill	1976 Dr Robert Murray
1930 Lady Mellanby	1977 Professor S Shuster
1931 Sir Henry Dale	1978 Professor W D M Paton
1932 Sir Arthur Keith	1979 The Rev Canon G R Dunstan
1933 Major General Sir Leonard Roberts	1980 Godfrey J Carter
1934 Sir Joseph Barcroft	1981 Sir John Butterfield
1935 Professor Sir Frederick Hobday	1982 Professor Ernst Barany
1936 Sir Malcolm Watson	1983 Professor Roy Calne
1937 Professor G Grey Turner	1984 Sir John Vane
1938 Professor Charles H Best	1985 Baroness Mary Warnock
1939 Sir Edward Mellanby	1986 Professor Ian A Silver
1945 Sir William Savage	1987 Professor Sir Stanley Peart
1946 Brigadier Sir N Hamilton Fairley	1988 Dr Leslie L Iversen
1947 Professor G H Wooldridge	1989 Professor W F H Jarrett
1948 Professor P A Buxton	1990 Lord Walton of Detchant
1949 Sir Charles A Lovatt Evans	1991 Dr Frederick K Goodwin
1950 Professor E D Adrian	1992 Dr Bridget Ogilvie
1951 Sir Wilson Jameson	1993 Dr Salvador Moncada
1952 Sir Howard Florey	1994 Dr Ian Purchase
1953 Sir James Larmouth	1995 Professor Sir Walter Bodmer
1954 Sir Geoffrey Jefferson	1996 Dr Keith Barnett
1955 Sir Henry Dale	1997 Professor Grahame Bulfield
1956 Professor A A Miles	1998 Professor Trevor Jones
1957 The Rt Hon the Lord Cohen of Birkenhead	1999 Professor Steve Jones
1958 Mr Richard Fort	2000 Baroness Susan Greenfield
1959 Sir Solly Zuckerman	2001 Sir Richard Sykes
1960 Professor J Harold Burn	2002 Professor Lord Winston
1961 Sir Hugh Linstead	2003 Lord Sainsbury of Turville
1962 Sir Derrick Dunlop	2004 Lord Robert May
1963 Sir John Ritchie	2005 Professor Mark Ferguson
1964 Professor Alex Haddow	2006 Dr Gill Samuels
1965 Professor D D Reid	2007 Professor Chris Higgins
1966 Sir Peter Medawar	2008 Professor Paul Andrews
1967 Professor A S Parkes	2014 Professor Dame Linda Partridge
1968 Mr Christopher Mayhew	2015 Professor Sir Colin Blakemore
1969 Sir John Boyd	2016 Professor Sir Mark Walport
1970 Professor F G Young	2017 Professor Clive Page
1971 Professor Sir Michael Woodruff	2018 Professor John O'Keefe
1972 The Rt. Hon. The Earl of Halsbury	2019 Professor Dame Nancy Rothwell
1973 Professor James Larmouth Gowans	2021 Professor Clare Stanford
	2022 Professor Cherry L Wainwright



May 2024 marks the 10-year anniversary of the UK's Concordat on Openness on Animal Research. To celebrate this important landmark Understanding Animal Research is hosting a first-of-its-kind conference dedicated to openness in animal research.

To register your interest in attending the conference, scan the QR code.



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