

Lectures and Prizes

Annual Review Prize Lecture

In 1968 The Physiological Society's Committee initiated Annual Review Lectures which, subject to the agreement of the Editorial Board, are published in *The Journal of Physiology*. There is a £500 prize, which consists of £250 for the award and £250 as an honorarium.

Previous lecturers:

1968 W D M Paton	1995 C Blakemore
1969 G W Harris	1996 M J Berridge
1970 WA H Rushton	1997 L Y Jan
1971 H Barcroft	1998 N J Rothwell
1972 J C Eccles	1999 R A North
1973 A F Huxley	2000 F Bezanilla
1974 AA Harper	2001 S O'Rahilly
1975 H Davson	2002 J Sulston
1976 A L Hodgkin	2003 F M Ashcroft
1977 R M Gaze	2004 R F Irvine
1978 K W Cross (delivered 1979)	2005 G J Dockray
1979 G Burnstock	2006 M Fishman**
1980 P B C Matthews	2007 T B Bolton
1981 H H Loeschche*	2008 R G Edwards
1982 G S Dawes	2009 S G Waxman
1983 D Noble	2010 R Y Tsien
1984 R C Thomas	2011 C Shatz
1985 D J Cunningham	2012 P Ratcliffe
1986 D M Armstrong	2013 E Gouaux (at IUPS)
1987 C C Michel	2014 R W Tsien
1988 P Dejours	2015 A Dolphin
1989 J V G A Durnin	2016 J O'Keefe
1990 O Hudlicka	2017 D A Eisner (at IUPS)
1991 O H Petersen	2018 J Zierath
1992 I M Glynn	2019 S Arber
1993 K M Spyer	2020 D Attwell ***
1994 C B Wollheim	

*H H Loeschche was unable to deliver his lecture owing to ill-health, but it was published

** M Fishman was unable to deliver his lecture

*** deferred to 2021 (Europhysiology 2020 cancellation due to COVID-19 pandemic)

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International Prize Lecture

From 2001 to 2010, The Physiological Society had a standing agreement with the Australian Physiological Society (AuPS) whereby, in alternate years, The Society selected a lecturer to travel to Australia to deliver a short series of lectures in universities. This was a reciprocal arrangement with a member of the AuPS travelling to the UK in the intervening years. It was known as the Australian/UK Visiting Lectureship Scheme.

Previous lecturers:

UK/Australia

2001 N B Standen
 2003 J F Ashmore
 2004 D J Beech
 2006 M J Dunne
 2010 D Attwell

Australia/UK

2002 D I Cook
 2005 S C Gandevia
 2007 D Allen

From 2011, The Society has sponsored the International Prize Lecture designed to be delivered in countries where there is a strong physiology community, but with whom The Society has previously had little or no interaction.

Previous lecturers:

2011 G E Mann (China)
 2013 R Vaughan-Jones (India)
 2014 K M Spyer (Brazil)

Bayliss-Starling Prize Lecture

In 1960 The Physiological Society's Committee resolved that there should be a joint memorial to Bayliss and Starling, in the form of a triennial lectureship. From 2015, following a generous donation from The Bayliss and Starling Society, this lecture is now awarded annually and given alternately by an established physiologist and an early-career physiologist. There is a £500 prize. The lecture will be delivered at a Society meeting and, subject to the agreement of the Editorial Board, continue to be published in *The Journal of Physiology*.

Previous lecturers:

1963 C Lovatt Evans
 1966 I de Burgh Daly
 1969 A V Hill
 1973 R A Gregory
 1976 H Barcroft
 1979 D Whitteridge
 1982 J R Pappenheimer
 1985 B Katz
 1988 J Z Young
 1991 J Black
 1994 J Vane
 1997 D A Brown

2000 S Moncada
 2004 G Giebisch
 2006 R Flower
 2009 G Miesenboeck
 2011 J A Dempsey
 2013 G J Dockray (at IUPS)
 2014 S Bloom
 2015 K Barrett
 2016 L Heather
 2017 H Raybould (at IUPS)
 2018 P Lewis
 2020 S Lakhal-Littleton

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Biller Prize Lecture - discontinued

The Biller award was a biennial award in memory of Kathy Biller, a young physiologist. It was given to a worker (under 35 years of age), in the field of renal or epithelial physiology and is presented in those years when England play Australia for the Ashes at cricket. The recipient presented a research review at a Society Meeting.

Previous lecturers:

2002 L Robson	2006 M Bailey
2004 D Ward	2008 G Stewart

G L Brown Prize Lecture (peripatetic)

In 1975 The Physiological Society instituted a series of lectures in memory of Professor Sir Lindor Brown. The purpose of these lectures is to stimulate an interest in physiology. The Society chooses a lecturer whose name, with the title of the lecture, is then published. Departments are asked to notify The Society if they wish to invite the G L Brown Lecturer to their department. The lectures are not given during Scientific Meetings of The Society. Lectures since 1986 are published in *Experimental Physiology*, subject to the agreement of the Editorial Board. There is a £1000 prize, which consists of £750 for the award and £250 as an honorarium.

Previous lecturers:

1975/76 G S Brindley/ R J Linden	2001/02 C Peers
1976/77 P F Baker/ P A Merton	2002/03 M Dunne
1977/78 E Neil	2004/05 M J Rennie
1983/84 J G Nicholls	2005/06 G L Smith
1984/85 J S Gillespie	2006/07 C A R Boyd
1985/86 M de Burgh Daly	2007/08 N Balthasar
1986/87 G J Dockray	2008/09 M Boyett
1987/88 S Zeki	2009/10 G McGeown
1988/89 A Angel	2010/11 L Poston
1989/90 C Blakemore	2011/12 J Deuchars
1990/91 N B Standen	2012/13 A Parekh
1991/92 R N Lemon	2013/14 D A Eisner
1992/93 J F Ashmore	2014/15 M Tipton
1993/94 A C Dolphin	2015/16 M Stevens
1994/95 R D Vaughan-Jones	2016/17 R Tribe
1995/96 S G Cull-Candy	2017/18 A Parker
1996/97 F M Ashcroft	2018/19 P Shaw
1997/98 I D Forsythe	2019/2020 D Giussani *
1998/99 P Lipp	2020/2021 D Sheppard
1999/00 D J Paterson	2021/2022 N/A **
2000/01 S B McMahan	

* deferred to 2021 (due to COVID-19 pandemic)

** lecture not awarded due to COVID-19 pandemic

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G W Harris Prize Lecture - discontinued

In 1986 The Physiological Society instituted a triennial lecture in memory of the late Professor G W Harris. These lecturers were, subject to the agreement of the Editorial Board, published in *Experimental Physiology*.

Previous lecturers:

1987 G Fink

1993 G J Dockray

1990 E M Wright

1996 I C A F Robinson

Hodgkin-Huxley-Katz Prize Lecture

In 1999 The Physiological Society's Committee proposed that there should be a biennial lecture celebrating the contributions to the physiological sciences of Alan Hodgkin, Andrew Huxley and Bernard Katz. To emphasise the international impact of their work, the lecture will normally be given by a distinguished physiologist working outside the United Kingdom or Republic of Ireland. Subject to the agreement of the Editorial Board, these lectures are published in *The Journal of Physiology*. There is a £1,000 prize, which consists of £500 for the award and £500 as an honorarium.

Previous lecturers:

2000 R MacKinnon

2012 C Bargmann

2002 B Sakmann

2013 E M Schuman (at IUPS)

2004 D Noble

2015 K Sipido

2006 T J Jentsch

2017 J Feldman (at IUPS)

2008 E Kandel

2019 S Traynelis

2010 R Nicoll

2021 R Tarran

Joan Mott Prize Lecture

In 1995 The Physiological Society received a bequest from Joan Mott which the Committee agreed to use to fund a biennial lecture, concerned with any area of physiology. The lecturer, preferably a woman, should attempt to make the contents of their lecture particularly relevant to young physiologists and also aim to enhance the profile and significance of women within the discipline of physiology. These Lectures will be published in *Experimental Physiology*, subject to the approval of its Editorial Board. There is a £500 prize, which consists of £250 for the award and £250 as an honorarium.

Previous lecturers:

1996 M Fitzgerald

2012 D Lipscombe

1998 J M Marshall

2013 E A Maguire (at IUPS)

2000 L Poston

2014 L Partridge

2002 H Skaer

2015 H Daniel

2004 B Casadei

2017 R Touyz (at IUPS)

2006 S Wray

2019 C Hills

2008 A L Fowden

2021 L Bennet

2010 K Davies

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Michael de Burgh Daly Prize Lecture

The Michael de Burgh Daly Prize Lecture is given biennially in memory of the distinguished physiologist under the auspices of the Cardiovascular, Respiratory and Autonomic Control Special Interest Group, now the Cardiac & Respiratory Physiology Theme.

Previous lecturers:

2002 J M Marshall	2013 P Carmeliet (at IUPS)
2005 James F X Jones	2016 N Prabhakar
2007 M J Joyner	2018 K Schroder
2009 C Nurse	2020 F Gribble
2011 T Wang	

* deferred to 2021 (Europhysiology 2020 cancellation due to COVID-19 pandemic)

Otto Hutter Teaching Prize

In 2009 The Society launched the Otto Hutter Teaching Prize to recognise outstanding teachers of undergraduate physiology and to raise the profile of physiology teaching. The prize's namesake, Professor Otto Hutter, emeritus Regius Professor of Physiology at University of Glasgow, is recognised as a passionate and innovative teacher. He pioneered perhaps the first, fully-integrated electrophysiological lab for junior teaching. He was also a virtuoso of small group teaching, famous for throwing the blackboard chalk to students as an inducement to do some of the board-work. The £1000 prize includes £500 for the winner and £500 for the host institution (the latter to support education and teaching in physiology). In addition, the recipient is invited to present a lecture at the main meeting.

Previous lecturers:

2010 M Cotter	2015 J Harris
2011 N Morris	2016 P Kumar
2012 E Lloyd	2017 L Robson
2014 D Lewis	2018 J Choate
	2019 J Clark *

* deferred to 2021 (Europhysiology 2020 cancellation due to COVID-19 pandemic)

R Jean Banister Prize Lecture (peripatetic)

In 2016 The Society instituted the R Jean Banister Prize Lecture, which is awarded to early career physiologists in the late stages of a PhD, Post-Doc or who are in an early faculty position (non-professorial) in memory of a former member, (Rachel) Jean Banister who left a legacy to The Society when she passed away in 2013. This is a lecture on any physiological topic which is given in three or four locations across the UK and Ireland. The lecture is published in *Experimental Physiology*, subject to the agreement of the Editorial Board. There is a £500 prize, and expenses will be reimbursed up to £500.

Previous lecturers:

2016 A D'Souza	2019 M Holt *
2017 N Rochefort	2020 C Wilson
2018 B Phillips	2021 N/A **

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* deferred to 2021 (due to COVID-19 pandemic)

** lecture not awarded due to COVID-19 pandemic

The Paton Prize Lecture

This lecture, initiated in 1994 by the Historical Studies & Archives Subcommittee to commemorate Professor Sir William Paton's support and initiatives for promoting interest in the history of scientific experiments and ideas, is given on a historical aspect of physiology in association with a symposium or designated session closely relevant to the topic concerned. These Lectures will be published in *Experimental Physiology*, subject to the approval of its Editorial Board. There is a £500 prize.

Previous lecturers:

1994 J W Severinghaus	2011 J West
1995 H H Ussing	2012 J Mitchell
1996 P D Wall	2013 G Burnstock (at IUPS)
1997 V B Mountcastle*	2014 P Sleight
1998 D Todes	2015 T Tansey
2005 J H Coote	2016 B Sakmann
2007 D Noble	2017 T Kirkwood (at IUPS)
2008 KM Spyer	2018 J Arendt
2009 D W Richter	2019 K Fong
2010 M Esler	2020 S Zeki **

*V B Mountcastle was unable to deliver his lecture owing to ill-health

** deferred to 2021 (Europhysiology 2020 cancellation due to COVID-19 pandemic)

The Paton Prize

The Paton Prize was established in 1994 by the Historical Studies & Archives Committee to encourage the study of the history of the major ideas and concepts that have shaped modern physiology. The Prize takes the form of a bursary to support such studies, with funding of up to £1,000 to cover travel and incidental expenses. The Subcommittee wishes to promote interest in the history of physiology among younger Affiliates and Members of The Society, as well as more established scientists. It is intended that these bursaries will be financed by the interest on The Paton Fund, being an endowment fund originated by a donation from Professor Sir William Paton with a matching donation from The Society.

The Physiological Society Annual Public Lecture

The Physiological Society initiated an annual public lecture in 2005 to be delivered at The Society's Main Meeting. The Lecture is designed to further the promotion and public understanding of physiology to the general public and schools.

Previous lecturers:

2005 J F R Paton	2013 R Foster (at IUPS)
2006 D Attwell	2014 R Winston
2007 Not awarded in this year	2015 S Scott
2008 P Weissberg	2016 J F Cryan
2009 S O'Rahilly	2018 D Martin
2010 N J Rothwell	2019 L Heisler
2011 R Foster	2020 N/A *
2012 G Leng	2021 N/A *

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** lecture not awarded due to COVID-19 pandemic

Sharpey-Schafer Lecture and Prize

In 1980 and 1981 The Physiological Society received bequests from Sir Edward Sharpey-Schafer and from his daughter Miss G M Sharpey-Schafer to institute a triennial lecture to be given alternately by an established physiologist (preferably but not necessarily from abroad) and by an early-career physiologist chosen by The Society. The lecture, to be called 'The Sharpey-Schafer Lecture, is in memory of Sir Edward Sharpey-Schafer FRS and of his grandson Professor E P Sharpey-Schafer FRCP, who was Professor of Medicine at St Thomas' Hospital, London. In 1990 the Committee agreed that the lecturer should also receive a Prize from funds accumulating from the bequests. It is customary, but not mandatory, for the lecture to be published in *Experimental Physiology*, subject to the approval of the Editorial Board.

Previous lecturers:

1983 T N Wiesel	2005 N H McClenaghan (delivered in 2006)
1986 D Attwell	2008 W F Boron
1989 B Hille	2011 W Marcotti
1992 G L Collingridge	2013 W A Catterall (at IUPS)
1995 J Folkman	2016 E Hart
1998 J F R Paton (delivered in 1999)	2019 R Smith
2002 E Neher	

Wellcome Prize Lecture - discontinued

The Wellcome Trustees agreed in 1985 to provide a sum of money to enable The Physiological Society to institute a Prize Lecture for young physiologists to encourage them and bring their work to general notice. The Prize, to be awarded biennially by a panel comprising members of the Prizes & Prize Lectures Committee and a representative nominated by the Wellcome Trust, is in the form of a lecture, an award and a medal presented at the Annual General Meeting in the year of the award. These lectures are, subject to the agreement of the Editorial Board, published in *The Journal of Physiology*. This scheme will be reviewed by the Wellcome Trustees in 2008.

The lecturer must be a young physiologist (less than 40 years of age) who is permanently resident in the UK or Republic of Ireland, who is considered to have made an outstanding contribution to physiological science. There is a £1,000 prize, which consists of £500 for the award and £500 as an honorarium.

Previous lecturers:

1986 K A C Martin	1998 L Lagnado
1988 D A Eisner (delivered in 1989)	2000 D Riccardi
1990 A J King (delivered in 1991)	2002 A B Parekh
1992 H R Matthews (delivered in 1993)	2004 A Gourine
1994 W Reik (delivered in 1995)	2006 H Kennedy
1996 S O Sage (delivered in 1997)	2008 A Trafford (final year)

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GSK Prize Lecture - discontinued

Instituted in 2010 with generous support from GSK, this prize is for early-career physiologists to encourage them and bring their work to general notice. It was awarded annually and came with a prize of £1,000.

Previous lecturers:

2010 J Kittler

2011 Not awarded

2012 H Shiels

2013 M Shah (at IUPS - final year)