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
1969 G W Harris
1970 WA H Rushton
1971 H Barcroft
1972 J C Eccles
1973 A F Huxley
1974 AA Harper
1975 H Davson
1976 A L Hodgkin
1977 R M Gaze
1978 K W Cross (delivered 1979)
1979 G Burnstock
1980 P B C Matthews
1981 H H Loeschche*
1982 G S Dawes
1983 D Noble
1984 R C Thomas
1985 D J Cunningham
1986 D M Armstrong
1987 C C Michel
1988 P Dejours
1989 J V G A Durnin
1990 O Hudlicka
1991 O H Petersen
1992 I M Glynn
1993 K M Spyer
1994 C B Wollheim
1995 C Blakemore
1996 M J Berridge
1997 L Y Jan
1998 N J Rothwell
1999 R A North
2000 F Bezanilla
2001 S O’Rahilly
2002 J Sulston
2003 F M Ashcroft
2004 R F Irvine
2005 G J Dockray
2006 M Fishman**
2007 T B Bolton
2008 R G Edwards
2009 S G Waxman
2010 R Y Tsien
2011 C Shatz
2012 P Ratcliffe
2013 E Gouaux (at IUPS)
2014 R W Tsien
2015 A Dolphin
2016 J O’Keefe
2017 D A Eisner (at IUPS)
2018 J Zierath
2019 C Shatz
2020 P Ratcliffe
2021 E Gouaux (at IUPS)
2022 R W Tsien
2023 A Dolphin
2024 J O’Keefe
2025 D A Eisner (at IUPS)
2026 J Zierath

*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
Lectures and Prizes

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
Lectures and Prizes

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

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
1990 E M Wright
1993 G J Dockray
1996 I C A F Robinson
Lectures and Prizes

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
2002 B Sakmann
2004 D Noble
2006 T J Jentsch
2008 E Kandel
2010 R Nicoll
2012 C Bargmann
2013 E M Schuman (at IUPS)
2015 K Sipido
2017 J Feldman (at IUPS)

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
1998 J M Marshall
2000 L Poston
2002 H Skaer
2004 S Casadei
2006 S Wray
2008 A L Fowden
2010 K Davies
2012 D Lipscombe
2013 E A Maguire (at IUPS)
2014 L Partridge
2015 H Daniel
2017 R Touyz (at IUPS)

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

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
2011 N Morris
2012 E Lloyd
2014 D Lewis
2015 J Harris
2016 P Kumar

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.

Previous lecturers:
2016 A D’Souza
2017 N Rochefort

The Paton 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.

Previous lecturers:
1994 J W Severinghaus
1995 H H Ussing
1996 P D Wall
1997 V B Mountcastle*
1998 D Todes
2005 J H Coote
2007 D Noble
2008 KM Spyer
2009 D W Richter
2010 M Esler
2011 J West
2012 J Mitchell
2013 G Burnstock (at IUPS)
2014 P Sleight
2015 T Tansey
2016 B Sakmann
2017 T Kirkwood (at IUPS)
**Lectures and Prizes**

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

**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
- 2006 D Attwell
- 2007 Not awarded in this year
- 2008 P Weissberg
- 2009 S O’Rahilly
- 2010 N J Rothwell
- 2011 R Foster
- 2012 G Leng
- 2013 R Foster (at IUPS)
- 2014 R Winston
- 2015 S Scott
- 2016 J F Cryan

**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
- 1986 D Attwell
- 1989 B Hille
- 1992 G L Collingridge
- 1995 J Folkman
- 1998 J F R Paton (delivered in 1999)
- 2002 E Neher
- 2005 N H McClenaghan (to be delivered in 2006)
- 2008 W F Boron
- 2011 W Marcotti
- 2013 W A Catterall (at IUPS)
- 2016 E Hart
Lectures and Prizes

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
1990 A J King (delivered in 1991) 2002 A B Parekh
1994 W Reik (delivered in 1995) 2006 H Kennedy
1996 S O Sage (delivered in 1997) 2008 A Trafford (final year)

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 2012 H Shiels
2011 Not awarded 2013 M Shah (at IUPS - final year)