

## Lectures and Prizes

### Annual Review Prize Lecture

In 1968 The Physiological Society's Committee initiated the Annual Review Lecture which, subject to the agreement of the Editorial Board, is 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                | 1996 M J Berridge         |
| 1969 G W Harris                 | 1997 L Y Jan              |
| 1970 WA H Rushton               | 1998 N J Rothwell         |
| 1971 H Barcroft                 | 1999 R A North            |
| 1972 J C Eccles                 | 2000 F Bezanilla          |
| 1973 A F Huxley                 | 2001 S O'Rahilly          |
| 1974 AA Harper                  | 2002 J Sulston            |
| 1975 H Davson                   | 2003 F M Ashcroft         |
| 1976 A L Hodgkin                | 2004 R F Irvine           |
| 1977 R M Gaze                   | 2005 G J Dockray          |
| 1978 K W Cross (delivered 1979) | 2006 M Fishman**          |
| 1979 G Burnstock                | 2007 T B Bolton           |
| 1980 P B C Matthews             | 2008 R G Edwards          |
| 1981 H H Loeschche*             | 2009 S G Waxman           |
| 1982 G S Dawes                  | 2010 R Y Tsien            |
| 1983 D Noble                    | 2011 C Shatz              |
| 1984 R C Thomas                 | 2012 P Ratcliffe          |
| 1985 D J Cunningham             | 2013 E Gouaux (at IUPS)   |
| 1986 D M Armstrong              | 2014 R W Tsien            |
| 1987 C C Michel                 | 2015 A Dolphin            |
| 1988 P Dejours                  | 2016 J O'Keefe            |
| 1989 J V G A Durnin             | 2017 D A Eisner (at IUPS) |
| 1990 O Hudlicka                 | 2018 J Zierath            |
| 1991 O H Petersen               | 2019 S Arber              |
| 1992 I M Glynn                  | 2020 D Attwell ***        |
| 1993 K M Spyer                  | 2022 G Miesenboeck        |
| 1994 C B Wollheim               | 2023 A Parekh             |
| 1995 C Blakemore                |                           |

\*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)

### Annual Public Lecture

The Physiological Society initiated an annual public lecture in 2005 to be delivered at The Society's Annual Conference. 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              | 2009 S O'Rahilly  |
| 2006 D Attwell                | 2010 N J Rothwell |
| 2007 Not awarded in this year | 2011 R Foster     |
| 2008 P Weissberg              | 2012 G Leng       |

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|                         |                |
|-------------------------|----------------|
| 2013 R Foster (at IUPS) | 2019 L Heisler |
| 2014 R Winston          | 2020 N/A *     |
| 2015 S Scott            | 2021 N/A *     |
| 2016 J F Cryan          | 2022 N/A **    |
| 2018 D Martin           | 2023 A Murray  |

\* lecture not awarded due to COVID-19 pandemic

\*\* lecture not awarded due to Europhysiology 2022 being held in Copenhagen

### 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   | 2004 G Giebisch            |
| 1966 I de Burgh Daly  | 2006 R Flower              |
| 1969 A V Hill         | 2009 G Miesenboeck         |
| 1973 R A Gregory      | 2011 J A Dempsey           |
| 1976 H Barcroft       | 2013 G J Dockray (at IUPS) |
| 1979 D Whitteridge    | 2014 S Bloom               |
| 1982 J R Pappenheimer | 2015 K Barrett             |
| 1985 B Katz           | 2016 L Heather             |
| 1988 J Z Young        | 2017 H Raybould (at IUPS)  |
| 1991 J Black          | 2018 P Lewis               |
| 1994 J Vane           | 2020 S Lakhal-Littleton    |
| 1997 D A Brown        | 2022 M Fitzgerald          |
| 2000 S Moncada        | 2023 N Herring             |

### 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

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*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 | 1985/86 M de Burgh Daly |
| 1976/77 P F Baker/ P A Merton    | 1986/87 G J Dockray     |
| 1977/78 E Neil                   | 1987/88 S Zeki          |
| 1983/84 J G Nicholls             | 1988/89 A Angel         |
| 1984/85 J S Gillespie            | 1989/90 C Blakemore     |
| 1990/91 N B Standen              | 2007/08 N Balthasar     |
| 1991/92 R N Lemon                | 2008/09 M Boyett        |
| 1992/93 J F Ashmore              | 2009/10 G McGeown       |
| 1993/94 A C Dolphin              | 2010/11 L Poston        |
| 1994/95 R D Vaughan-Jones        | 2011/12 J Deuchars      |
| 1995/96 S G Cull-Candy           | 2012/13 A Parekh        |
| 1996/97 F M Ashcroft             | 2013/14 D A Eisner      |
| 1997/98 I D Forsythe             | 2014/15 M Tipton        |
| 1998/99 P Lipp                   | 2015/16 M Stevens       |
| 1999/00 D J Paterson             | 2016/17 R Tribe         |
| 2000/01 S B McMahon              | 2017/18 A Parker        |
| 2001/02 C Peers                  | 2018/19 P Shaw          |
| 2002/03 M Dunne                  | 2019/2020 D Giussani *  |
| 2004/05 M J Rennie               | 2020/2021 D Sheppard    |
| 2005/06 G L Smith                | 2021/2022 N/A **        |
| 2006/07 C A R Boyd               | 2022/2023 S Patel       |

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

\*\* lecture not awarded due to COVID-19 pandemic

### **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 | 2004 D Noble     |
| 2002 B Sakmann   | 2006 T J Jentsch |

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2008 E Kandel  
2010 R Nicoll  
2012 C Bargmann  
2013 E M Schuman (at IUPS)  
2015 K Sipido

2017 J Feldman (at IUPS)  
2019 S Traynelis  
2021 R Tarran  
2023 I M Raman

### 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 B 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)  
2019 C Hills  
2021 L Bennet  
2023 J Morrison

### 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 Physiological 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)

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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          | 2022 M L Lindsey           |

\* 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 Annual Conference.

#### *Previous lecturers:*

|               |                      |
|---------------|----------------------|
| 2010 M Cotter | 2016 P Kumar         |
| 2011 N Morris | 2017 L Robson        |
| 2012 E Lloyd  | 2018 J Choate        |
| 2014 D Lewis  | 2019 J Clark *       |
| 2015 J Harris | 2021 D U Silverthorn |

\* 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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2023 T Bishop

\* 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 | 2012 J Mitchell            |
| 1995 H H Ussing       | 2013 G Burnstock (at IUPS) |
| 1996 P D Wall         | 2014 P Sleight             |
| 1997 V B Mountcastle* | 2015 T Tansey              |
| 1998 D Todes          | 2016 B Sakmann             |
| 2005 J H Coote        | 2017 T Kirkwood (at IUPS)  |
| 2007 D Noble          | 2018 J Arendt              |
| 2008 KM Spyer         | 2019 K Fong                |
| 2009 D W Richter      | 2020 S Zeki **             |
| 2010 M Esler          | 2022 D Miller              |
| 2011 J West           | 2023 R Morris              |

\*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 President's Lecture

Initiated in 2017, the President's Lecture is awarded by the President of The Society to a recipient of their choosing. This prestigious lecture is awarded at the discretion of The Society's President.

#### Previous lecturers:

|                  |                 |
|------------------|-----------------|
| 2017 E Olson     | 2020 J Friedman |
| 2019 J Pawelczyk | 2021 J Meir     |
|                  | 2022 P Vallance |

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### 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                         | 2022 I -S Bibli                          |

### 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)