



**IUPS** 2013  
21–26 July 2013 Birmingham, UK

# IUPS 2013

**37th Congress of the  
International Union of Physiological Sciences**

**International Convention Centre (ICC)  
Birmingham, UK**

**21–26 July 2013**

[www.iups2013.org](http://www.iups2013.org)

# The meeting

The first steps in planning IUPS 2013 occurred as long ago as 2004 when The Physiological Society prepared its successful bid to host the meeting. An Organising Committee has been established and is chaired by Bridget Lumb, the full composition of this committee is given in the box on the right. We have also appointed Honorary Presidents (see right) with the remit of promoting the meeting within the broad scientific community and further afield.

Our aim is to produce a meeting that will be scientifically stimulating and socially enjoyable. We have chosen Birmingham as the International Convention Centre (ICC) is located in the lively city centre with convenient access to all attractions, hotels and restaurants. This seemed a much better idea than having participants

traipsing daily between hotels and the conference centre. One of the first decisions taken by the Organising Committee was to try to produce a meeting which was not hosted only by The Physiological Society but involved many other Societies in the organisation. The first step was to involve the Federation of European Physiological Societies (FEPS). IUPS 2013 will be the FEPS meeting for that year and the President of FEPS is a member of the Organising Committee, the Local Scientific Programme Committee (LSPC), and the International Scientific Programme Committee (ISPC). We have extended an invitation to the various national physiological societies in Europe encouraging them to consider making IUPS 2013 their annual meeting. We will also be inviting these societies (and others from further afield) to organise and sponsor symposia and keynote lectures.

## Organising Committee

### Chair

- Bridget Lumb (Bristol, UK)

### Permanent members

- David Eisner (Manchester, UK)  
*Chair, LSPC and ISPC*
- Ian McGrath (Glasgow, UK)  
*Chair, Sponsorship Committee*
- Prem Kumar (Birmingham, UK)  
*Chair, Local Organising Committee*

### Members from The Physiological Society

- President
- Deputy President
- Treasurer
- Meetings Secretary

### Invited Members

- Ulrich Pohl (Munich, Germany)  
*President, FEPS*

### Operations, The Physiological Society

- Nick Boross-Toby  
*Head of Operations*
- David G Bennett  
*International Activities Coordinator*

# The science

The challenge is to produce a meeting which is of at least as high a quality as the 2009 Congress held in Kyoto. To this end, we have set up an International Scientific Programme Committee (ISPC). Approximately half of the members of the Committee have been appointed by The Physiological Society with the rest appointed by the IUPS. The Chair is David Eisner and the Vice-Chair Walter Boron (Secretary General of the IUPS). A full list of ISPC members is given in the box below.

A major attraction of the IUPS meeting is that it provides an opportunity, not just to attend symposia in one's own specialist subject but, also, to get an update across many areas. The latter will be provided by a series of high-profile keynote lectures, including The Physiological Society's Prize Lectures and the IUPS lectures. These will be timetabled so that they do not overlap with each other, thereby providing a unique opportunity for attendees to sample a variety of subjects at the highest level.

Much of the science will be presented in the form of symposia. A call for suggestions for symposium topics will be sent out to the international physiological community in 2011. In addition, and to ensure broad coverage, the ISPC members, themselves, will suggest symposia. The ISPC will then produce the final symposia from all these suggestions.

Posters will be a major medium for presenting and sharing data. The intention is that they will be displayed for a whole

day and that, helped by ready access to refreshments, the poster area will act as a hub for discussion throughout the day.

We don't want the meeting to be seen as the preserve of only senior scientists. Time will be set aside for "how to" sessions with participation from early-career scientists who are actually involved in using the techniques.

Building on the success of the Kyoto meeting, and our experience within The Physiological Society, IUPS 2013 will feature outreach activities that engage the general

public, including school children. The programme will contain events, including a satellite meeting, related to the teaching of physiology. These activities will be designed for registrants to get up-to-date information about advances in teaching methods and will provide a forum for discussion and for the sharing of experiences.

Finally, it will be some time before even the skeleton programme is complete and we therefore invite physiologists everywhere to email us ([programme@iups2013.org](mailto:programme@iups2013.org)) with suggestions for what would make a great meeting.

## International Scientific Programme Committee (ISPC)

### Chair

David Eisner (Manchester, UK)

### Co-Chair

Walter Boron (Ohio, USA)

### IUPS Nominees

- René Bindels (Nijmegen, Netherlands)
- Yang-Sook Chun (Seoul, Korea)
- Malcolm Gordon (Los Angeles, USA)
- Penny Hansen (St John's, Canada)
- Hans Hoppeler (Bern, Switzerland)
- Yoshi Kurachi (Osaka, Japan)
- Andrew McCulloch (California, USA)
- Caroline McMillen (Adelaide, Australia)
- Denis Noble (Oxford, UK)
- Quentin Pittman (Calgary, Canada)
- Jens Rettig (Homburg, Germany)
- Tobias Wang (Aarhus, Denmark)
- Xian Wang (Beijing, China)

### Local Nominees

- Graham Collingridge (Bristol, UK)
- Annette Dolphin (London, UK)
- Lucy Green (Southampton, UK)
- Anne King (Leeds, UK)
- Patrick Maxwell (London, UK)
- Paul McLoughlin (Dublin, Ireland)
- Anant Parekh (Oxford, UK)
- Julian Paton (Bristol, UK)
- Bente Klarlund Pedersen (Copenhagen, Denmark)
- Ulrich Pohl (Munich, Germany)
- Frank Sengpiel (Cardiff, UK)
- Mike Spyer (London, UK)
- David Thwaites (Newcastle, UK)
- Andrew Trafford (Manchester, UK)
- Susan Wray (Liverpool, UK)
- David Wylie (Edinburgh, UK)
- Bridget Lumb (Bristol, UK) *ex officio*

# The city

Have you been to Birmingham city centre recently? If you have, you'll know what has happened. If you haven't been for a while, you're in for a pleasant surprise. Indeed, it's easy to see why Birmingham won the bid for the next IUPS. Quite simply, it is a brilliant conference venue!

Birmingham is really buzzing. The city centre, once plagued by traffic and fumes, is now almost totally pedestrianised and planted with mature trees and flowers. The extensive canal system, once the heart of the Midland's industrial transport network, has been restored and is lined with

## Honorary Presidents

Colin Blakemore (Oxford, UK)  
Alan North (Manchester, UK)  
Ole Petersen (Cardiff, UK)  
Clive Orchard (Bristol, UK)  
K Michael Spyer (London, UK)

inviting canal side bars and restaurants. Birmingham is also shopping central, from its fantastic Rag Market, which sells everything and anything for breathtakingly low prices, to its upmarket designer shops in the new Bull Ring Centre and Mailbox shopping mall.

And right in the middle of all this lies the International Convention Centre. The ICC is an attractive building located on the canal side. With nearly 4000 hotel beds within walking distance, everything is on the doorstep. No waiting around for shuttle buses or expensive taxi rides needed. And once you leave the conference venue and cross one of the flower-decked bridges over the canal, more than 100 bars and restaurants beckon.

There is a great restaurant scene with establishments to suit all pockets and tastes from the famous Balti houses, which serve Birmingham's own special curries to fine dining, including the three Michelin starred restaurants, for which the city is renowned.

The city is overflowing with cultural activity. We have a splendid museum and art

gallery, four theatres, three concert halls and three cinema complexes all within 10 minutes walk of the conference venue, as well as a vibrant club scene. Birmingham is also home to the Birmingham Royal Ballet, the Welsh National Opera and the renowned City of Birmingham Symphony Orchestra.

Birmingham is amazingly easy to get to. It is served by Birmingham International airport, which has direct flights to Europe and the USA. A frequent rail link from the airport to the city centre takes less than 15 minutes. The city also lies at the hub of the national rail and motorway network. London for example, is only 90 minutes away.

2013 may seem a long way in the future but remember, since proposals for symposia and satellites need to be submitted in 2011, you really do need to start planning your trip now.

So, come to Brum and see for yourself. You'll have a fantastic time and get some great science into the bargain.

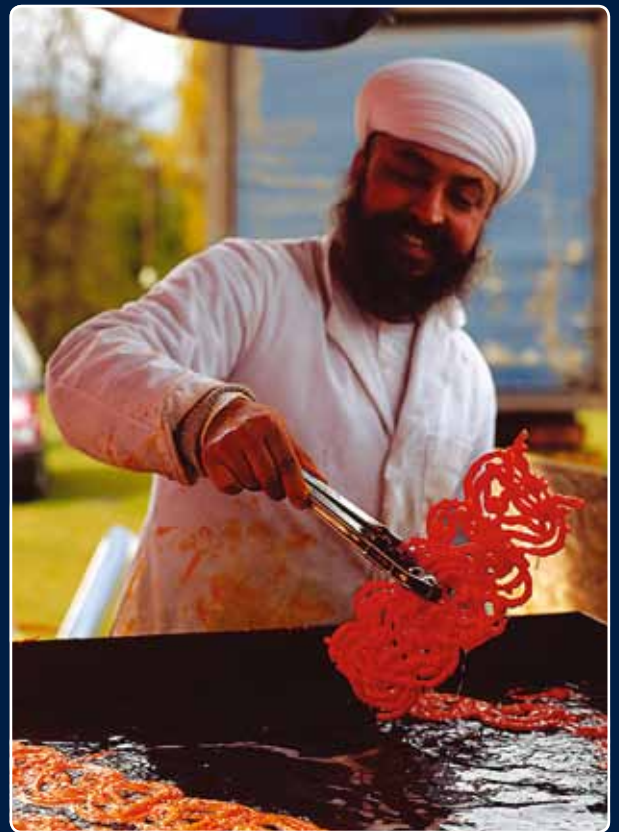
Thelma Lovick (Birmingham, UK)



The International Convention Centre (ICC), venue for IUPS 2013.



Interior of the ICC.



Local delicacies.

We would like to invite all members of the physiological sciences community to contribute to the success of the 37th Congress of the International Union of Physiological Sciences through your attendance.

IUPS 2013 will attract many graduate students and postdoctoral fellows seeking knowledge of the latest research findings. Many of these physiologists do not have adequate funds for travel to the UK and need to be supported with travel grants in order to attend and present their data and learn about yours. To make their participation possible, we ask for your financial assistance to make it an exciting and dynamic Congress.

Please take an active role in ensuring the success of the IUPS 2013. Take a few moments now to complete a donation card.

Contributors will be acknowledged and recognised in materials distributed in conjunction with the Congress and on the meeting website. Regardless of the amount that you contribute, your participation will make a big difference as we launch our sponsorship campaign.

Thank you in advance for your support of the 37th International Congress of Physiological Sciences scheduled for 21 to 26 July 2013 at the International Convention Centre (ICC) located in the heart of Birmingham.

## Donation card



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Dear IUPS 2013

I support your goals of providing assistance to encourage the participation of early-career physiologists, especially those from developing countries. I would like to be involved in the IUPS 2013 Congress, by making a financial contribution in the amount indicated below.

Please accept my donation in the amount of:

£500  £250  £100  £50  £25  Other

Cheque enclosed Total amount \_\_\_\_\_

MasterCard  VISA  Debit Card (Issue Number \_\_\_\_\_)

Card number \_\_\_\_\_

Number on signature strip \_\_\_\_\_ Expiry \_\_\_\_\_

Name on card \_\_\_\_\_

Signature \_\_\_\_\_

Cheques should be made payable to The Physiological Society

Name \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

Telephone \_\_\_\_\_

Email \_\_\_\_\_

All payments must be made in Pounds Sterling (£, GBP)

Please return the form to: IUPS 2013, The Physiological Society, Peer House, Verulam Street, London, WC1X 8LZ; or fax it to +44 (0) 20 7269 5720

Telephone: +44 (0) 20 7269 5710 Email: [info@iups2013.org](mailto:info@iups2013.org)