



Physics Meets Biology

3–5 September 2014

University of Oxford, Oxford, UK

Organised by the IOP Biological Physics Group

<http://pmb2014.iopconfs.org>

Physics Meets Biology 2014 will provide a view of the most recent and exciting research across a broad range of topics and scales: its scope includes physical probes and imaging, bionanotechnology and synthetic biology, molecular machinery, cytoskeletal mechanics, signalling, control, neural systems, development, evolution and ecology.

The conference is organised around an international programme of invited speakers and will include contributed talks and poster sessions. Its state-of-the-art research coverage is designed to inform experts of the latest developments; it will also provide a valuable introduction to biophysical research for junior researchers, including graduate students. Physics Meets Biology 2014 is the fourth in the series organised by the Biological Physics Group of the Institute of Physics.

Venue and accommodation

The conference will be held at the Department of Physics, University of Oxford. Lectures, refreshments and posters will be located in the Martin Wood Lecture Theatre at the Clarendon Laboratory. Lunches, dinners and accommodation will be at St Anne's College.

For further information about the conference venues, visit <http://www2.physics.ox.ac.uk> and <http://www.st-annes.ox.ac.uk>.

Keynote/invited speakers

- Dr Siobhan Braybrook, University of Cambridge, UK
- Dr Pietro Cicuta, University of Cambridge, UK
- Professor Simon Foster, University of Sheffield, UK
- Professor Jim Haseloff, University of Cambridge, UK
- Professor Doris Heinrich, Leiden University, the Netherlands
- Professor Stanislas Leibler, The Rockefeller University, USA
- Professor Tim Newman, University of Dundee, UK
- Dr Ewa Paluch, University College London, UK
- Professor Pieter Rein ten Wolde, FOM Institute AMOLF, the Netherlands
- Professor Simon Scheuring, INSERM/Université Aix-Marseille, France
- Professor Friedrich Simmel, TU München, Germany
- Professor Ana-Sunčana Smith, Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany
- Professor Christian Soeller, University of Exeter, UK
- Dr Sarah Teichmann, EMBL-European Bioinformatics Institute, UK
- Professor Matthew S Turner, University of Warwick, UK
- Professor Cornelis Weijer, University of Dundee, UK
- Professor Julia Yeomans, University of Oxford, UK

Call for abstracts

Contributions for oral and poster presentations are invited for this conference. Abstracts should be a maximum of 1 page of A4 and should be submitted online at <http://pmb2012.iopconfs.org>. The abstract submission deadline is 30 May 2014.

Exhibition

A small table-top exhibition will be held alongside the conference. To find out about exhibiting at Physics Meets Biology, please e-mail Joanne Hemstock at joanne.hemstock@iop.org.

Key dates

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|------------------------------|-----------------------|
| Abstract submission deadline | 30 May 2014 |
| Early registration deadline | 30 July 2014 |
| Registration deadline | 22 August 2014 |

Organising committee

- Dr Ros Allen, University of Edinburgh, UK
- Dr Robert Endres, Imperial College London, UK
- Professor Jamie Hobbs, University of Sheffield, UK
- Professor Andrew Turberfield, University of Oxford, UK (chair)

Sponsors

Department of Physics,
University of Oxford



Image: Fluid flow around the colonial alga *Volvox carterii* held by a micropipette, imaged with tracer particles. Image courtesy of Sujoy Ganguly and Raymond E Goldstein, DAMTP, University of Cambridge