



The Physics of Soft and Biological Matter

14–16 April 2014

Homerton College, Cambridge, UK

Organised by the Biological Physics, Liquids and Complex Fluids, Molecular Physics, and Polymer Physics Groups

<http://softbio.iopconfs.org>

This conference will bring together the broad and diverse community interested in the physics of soft and biological matter, which includes liquids, liquid crystals, polymers, colloids, membranes, interfaces, cellular biophysics, and biological macromolecules. The programme will span a number of key cross-cutting themes, including self-assembly and patterning, rheology, biomimetics, non-equilibrium phenomena, as well as molecular imaging, optical methods and spectroscopies, which are all relevant to the wide range of length and timescales present in these fascinating systems.

Abstracts

Submission of abstracts is now invited for poster and contributed oral presentations. In keeping with the spirit of the conference, sessions will aim to have a multidisciplinary theme.

Abstracts will be accepted on a wide range of topics, spanning a variety of soft matter and biological systems and relating to the cross-cutting themes. Details of abstract submission can be found online at <http://softbio.iopconfs.org>

Confirmed invited speakers

- Kari Dalnoki-Veress (McMaster University, Canada)
Capillary-driven flow in thin polymer films
- Dennis Discher (University of Pennsylvania, USA)
Scaling laws of polymer membranes: from synthetics to nuclear envelopes and mechanotransduction
- Suzanne Fielding (Durham University, UK)
Hydrodynamics and phase behaviour of active suspensions
- David Klenerman (University of Cambridge, UK)
Single molecule studies of protein aggregation
- David Pine (New York University, USA)
Self-assembly of patchy colloids
- Kathleen Stebe (University of Pennsylvania, USA)
Particles at complex interfaces

Registration

Registration will be open in October 2013, and details can be found online at <http://softbio.iopconfs.org>

Venue and accommodation

The conference will be held at Homerton College, University of Cambridge. Some accommodation will be available at the college itself and there are several hotels in the vicinity. The college is well placed for access from Cambridge railway station. More details can be found at <http://softbio.iopconfs.org>

Key dates

Abstract submission opens:	August 2013
Registration opens:	October 2013
Abstract submission deadline:	20 January 2014
Early registration deadline:	10 March 2014
Registration deadline:	4 April 2014

Organising committee

- **Michael Allen** (University of Warwick, UK)
- **Giuseppe Battaglia** (University College London, UK)
- **Martin Buzza** (University of Hull, UK)
- **Pietro Cicuta** (University of Cambridge, UK)
- **Neil Hunt** (University of Strathclyde, UK)
- **Joseph Keddie** (University of Surrey, UK)

Enquiries

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