



Physics of Emergent Behaviour II

From molecules to planets

9–10 July 2015, Science Museum, London, UK

Organised by the IOP Biological Physics Group

This is the second edition of the Physics of Emergent Behaviour conference, following the very successful gathering in 2013.

The aim is again to provide a highly multidisciplinary platform for physicists, biologists and mathematicians to come together to discuss experimental and theoretical approaches for studying emergent behaviour in living systems. We aim at a broad selection of topics, spanning a wide range of organisms and scales.

Speakers will combine an introduction aimed at a broad audience with results from their latest research. We expect two very stimulating days, with great opportunities for learning and networking outside of our everyday niche.

Confirmed speakers

- **Robert Austin** Princeton University, USA
- **Naama Barkai** Weizmann Institute of Science, Israel
- **Anthony Bishopp** The University of Nottingham, UK
- **Andrea Cavagna** National Research Council (ISC-CNR), Italy
- **Iain D Couzin** Princeton University, USA
- **Stephan Grill** Max Planck Institute of Molecular Cell Biology and Genetics, Germany
- **Laurent Keller** Université de Lausanne, Switzerland
- **Vito Latora** Queen Mary University of London, UK
- **Ralph D Lorenz** Johns Hopkins University Applied Physics Laboratory, USA
- **John Toner** University of Oregon, USA

Key dates:

Abstract submission deadline:	4 May 2015
Early registration deadline:	11 June 2015
Registration deadline:	1 July 2015

Organising committee

- **Dr Robert Endres**, Imperial College London, UK
- **Dr Chiu Fan Lee**, Imperial College London, UK
- **Dr Giovanni Sena**, Imperial College London, UK

The organisers gratefully acknowledge sponsorship from EPSRC NetworkPlus and EPJ.



To submit an abstract, or for more information about this event, please visit the conference website <http://peb2015.iopconfs.org>

Image: The fungus *Penicillium chrysogenum* on agar plate. Penicillin was discovered serendipitously by Nobel laureate Sir Alexander Fleming based at St Mary's Hospital, now part of Imperial College London.