



Protein-Protein Interactions: Emerging Science and Therapeutic Potential

16th - 17th of January 2013

To be held at The Royal Society, 6-9 Carlton House Terrace, London SW1Y 5AG

An international multidisciplinary two day conference organised jointly by PPI-net, BMCS, MGMS, and the SCI

Programme

Wednesday, 16th January

- 10:00** Registration - Tea/Coffee
- 10:45** Welcome
- 11:00** *Fragments: a good first step towards modulating protein-protein interactions*
Chris Abell (University of Cambridge, UK)
- 11:30** *Controlling cell fate with PPI-targeting biophotonic nanoswitches*
Rudolf Allemann (Cardiff University, UK)
- 12:00** *Protein-protein interaction inhibitors of transcription factors and enzymes*
Thorsten Berg (University of Leipzig, Germany)
- 12:30** Lunch and Poster
- 1:45** *Protein-protein interactions as drug targets: time to reach for the barge pole?*
Alex Breeze (AstraZeneca, UK)
- 2:15** x3 15 Minute Short Talks
- 3:00** *Molecular insights and targeting of Nuclear Receptor – protein interactions*
Luc Brunsveld (Eindhoven University of Technology, The Netherlands)
- 3:30** Break - Tea/Coffee
- 3:50** *Drug-like inhibitors of protein-protein interactions: peptide mimicry and fragment approaches*
David Fry (Hoffmann-La Roche Inc, USA)
- 4:20** *Protein-protein interactions and drugs – a resolvable paradox?*
Mike Hann (GlaxoSmithKline, UK)
- 4:50** *Combining drug-discovery approaches to tackle challenging targets*
Michelle Arkin (**Keynote**) (UCSF - University of California San Francisco, USA)
- 5:40** Wine Mixer / Poster Prizes

Thursday, 17th January

- 9:00** *Structural networks of signalling pathways on the cellular scale*
Ruth Nussinov (**Keynote**) (National Cancer Institute, SAIC-Frederick, USA)
- 9:50** *Approaches to the discovery of small-molecule MDM2-p53 inhibitors*
Ian Hardcastle (Newcastle University, UK)
- 10:20** Break - Tea/Coffee
- 10:40** *Selective targeting of epigenetic effector domains of the bromodomain family*
Stefan Knapp (Oxford University, UK)
- 11:10** *Structure-based guided development of focused chemical libraries dedicated to orthosteric modulation of protein-protein interactions*
Xavier Morelli (Centre National de la Recherche Scientifique, France)
- 11:40** *Small-molecule modulation of 14-3-3 Protein-Protein Interactions*
Christian Ottmann (Technical University Eindhoven, The Netherlands)
- 12:10** Lunch and Poster
- 1:25** *Exploring protein-protein interactions in the malaria parasite*
Ed Tate (Imperial College London, UK)
- 1:55** x3 15 Minute Short Talks
- 2:40** Break - Tea/Coffee
- 3:00** *Inhibition of protein-protein interactions using designed molecules*
Andrew Wilson (University of Leeds, UK)
- 3:30** *Fragment-based approaches to protein-protein interaction targets: discovery of antagonists and allosteric modulators*
Christopher Johnson (Astex Pharmaceuticals, UK)
- 4:00** *Inhibition protein-protein interactions with peptidic foldamers*
Sam Gellman (**Keynote** lecture sponsored by the RSC Bio-Organic group) (University of Wisconsin Madison, USA)
- 4:50** Closing Remarks

Poster Abstract Submission closing date is 30th November 2012

Registration fees until 16th December 2012

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| Delegate standard rate | £200 |
| Student standard rate | £110 |
| Exhibition stand (including one delegate) | £800 |

Student Travel Grants

PPI-net will award a limited number of travel bursaries to UK students in the field of PPI.

In addition, the Molecular Graphics and Modelling Society (MGMS) will sponsor the attendance of 2 computational students.

For further information please contact conference@ppi-net.org

or got to <http://ppi-net.org/events>

