



# Protein-Protein Interactions 2019

Thursday 4 - Friday 5 April 2019

University of Leeds, UK



BIOLOGICAL AND  
MEDICINAL  
CHEMISTRY  
SECTOR

Organised by SCI's Fine Chemicals Group and  
RSC's Biological and Medicinal Chemistry Sector  
in association with PPI-Net



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## Synopsis

Virtually all vital cellular processes are controlled by protein-protein interactions (PPIs), including gene expression, proliferation, intracellular communication and apoptosis. The understanding and manipulation of PPIs therefore plays an important role in fathoming the biology of healthy and diseased states. Achieving this goal will lead to new probes of cell signalling pathways or systems biology, and molecular therapeutics for addressing unmet medical needs.

To date, only a few PPIs have been the subject of drug discovery initiatives by the pharmaceuticals industry. Given the potential opportunities around modulating more of the estimated >650,000 PPIs, this field continues to generate considerable scientific interest, which has stimulated significant academic and industrial innovation. This meeting will address recent advances in the area. Topics will include: inducing protein degradation using small molecules, protein engineering and synthetic biology, integration of computational and experimental methods to study PPIs, characterisation and identification of new PPI inhibitors and lead optimization challenges for molecules targeting PPIs from case studies in drug discovery.

Speakers from both industry and academia will describe strategies for addressing these challenges whilst showcasing the opportunity for creativity and innovation.

## Attendees

The event is aimed at all scientists (including PhD students and those in early career), from industry and academia, with an interest in the understanding or manipulation of protein-protein interactions. This encompasses medicinal and computational chemists, structural biologists, biochemists, chemical biologists, and molecular and cell biologists.

## Call for Papers

Contributions are encouraged from all scientists working on the understanding or manipulation of protein-protein interactions, including PhD students and early career researchers.

An abstract of maximum one A4 page or 300 words, indicating title, authors and preference for presentation option (15 or 30 min oral, or poster) should be sent to [conferences@soci.org](mailto:conferences@soci.org) by **Friday 11 January 2019** with the subject line "PPI 2019 - abstract submission".

## Speakers

- ▶ Prof Craig Crews, Yale University, USA
- ▶ Dr David Rees, Astex Pharmaceuticals, UK
- ▶ Prof Amy Keating, Massachusetts Institute of Technology, USA
- ▶ Prof Dek Woolfson, University of Bristol, UK
- ▶ Prof Ali Tavassoli, University of Southampton, UK
- ▶ Dr Angelita Rebollo, Centre d'Immunologie et des Maladies Infectieuses, France
- ▶ Dr Isabelle Landrieu, Universite de Lille, France
- ▶ Dr Graeme Robb, AstraZeneca, UK

## Book today

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