

# Overcoming the Bottlenecks in Drug Discovery and Development

Thursday 20 March 2014

08:00	<b>Registration</b>
09:00	<b>Inaugural ceremony and welcoming remarks</b>
<b>Session 1 A: Pharmaceutical research</b> <b>Session Chair:</b> Hidemi Minami, <i>RLL, Gurgaon</i>	
09:20 <b>O01</b>	<b>Gut instincts: explorations in intestinal physiology and drug delivery</b> Abdul Basit, <i>University College London, UK</i>
10:00 <b>O02</b>	<b>Chemo-enzymatic route to bicyclic nucleosides and sugar-PEG polymeric architectures or drug delivery applications</b> Ashok K Prasad, <i>University of Delhi, India</i>
10:40	<b>Tea and coffee break</b>
<b>Session 1 B: Pharmaceutical research</b> <b>Session Chair:</b> Mohan Prasad, <i>RLL, Gurgaon</i>	
11:10 <b>O03</b>	<b>Crystal engineering in the pharmaceutical context: some recent results</b> Gautam Desiraju, <i>IISc, Bangalore, India</i>
11:50 <b>O04</b>	<b>Challenges in establishing bioequivalence throughout the product lifecycle</b> Ravi Shanker, <i>Pfizer, Groton, USA</i>
12:30	<b>Lunch and poster session</b>
<b>Session 2 A: Chemical hit to lead optimisation</b> <b>Session Chair:</b> Ramesh Bambal, <i>DSIN, Gurgaon</i>	
13:50 <b>O05</b>	<b>The benefits of targeting optimal ADMET space in lead generation and optimization</b> M Paul Gleeson, <i>Kasetsart University, Bangkok, Thailand</i>
14:30 <b>O06</b>	<b>Applications of matched molecular pair analysis in drug discovery</b> Andrew G Leach, <i>Liverpool John Moores University, Liverpool, UK</i>
15:10	<b>Tea and coffee break</b>
<b>Session 2 B: Chemical hit to lead optimisation</b> <b>Session Chair:</b> Andy Davis, <i>AstraZeneca, Sweden</i>	
15:40 <b>O07</b>	<b>Computational challenges in deciphering drug receptor interactions</b> G Narahari Sastry, <i>CSIR-Indian Institute of Chemical Technology, Hyderabad, India</i>
16:20 <b>O08</b>	<b>Using multifactorial data to improve compound survival in drug discovery</b> William D Pennie, <i>Pfizer, Groton, USA</i>
17:15	<b>Open Forum Discussion on open innovation in drug discovery</b> <b>Session Chair:</b> Alejandra Palermo, <i>Royal Society of Chemistry</i> <b>Panelists:</b> Jeremy Burrows, <i>Medicines for Malaria Venture, Switzerland</i> T K Chandrashekar, <i>Science and Engineering Research Board, India</i> Ahmed Kamal, <i>IICT, Hyderabad</i> Anshu Bhardwaj, <i>Open Source Drug Discovery Unit, India</i> Professor KVSP Rao, <i>Department of Scientific and Industrial Research.</i>
18:30	<b>Close</b>
18:30	<b>Conference dinner</b>

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<b>Session 3 A: Chemical hit identification</b> <b>Session Chair:</b> Biswajit Das, <i>DSIN, Gurgaon</i>	
09:10 <b>O09</b>	<b>Open data for drug discovery: what is it and how can it be used</b> Anne Hersey, <i>EMBL-EBI, Cambridge, UK</i>
09:50 <b>O10</b>	<b>Building a natural product-inspired, chemical toolbox for protein-protein interactions</b> Prabhat Arya, <i>Dr. Reddy's Institute of Life Sciences, Hyderabad, India</i>
10:30	<b>Tea and coffee break</b>
<b>Session 3 B: Chemical Hit identification</b> <b>Session Chair:</b> Simon Ward, <i>University of Sussex, UK</i>	
11:00 <b>O11</b>	<b>Have confidence in your fragments - avoiding the "unknown knowns" of FBLD</b> Ben Davis, <i>Vernalis, Cambridge, UK</i>
11:40 <b>O12</b>	<b>Targeted anticancer drug discovery: from hits to chemical tools and candidates</b> Ian Collins, <i>Institute of Cancer Research, London, UK</i>
<b>Session 3 C: Flash poster presentations</b> <b>Session Chairs:</b> Andy Davis, <i>AstraZeneca, Sweden</i> and Simon Ward, <i>University of Sussex, UK</i>	
12:20	<b>Short Oral Presentations</b>
13:10	<b>Lunch and poster session</b>
<b>Session 4 A: Biological target identification</b> <b>Session Chair:</b> Dilip Upadhyay, <i>DSIN, Gurgaon</i>	
14:40 <b>O13</b>	<b>Discovery of orally active antitubercular agents through cell-based optimization of HTS hits</b> Fumiaki Yokokawa, <i>Senior Research Investigator, Novartis Institute for Tropical Diseases, Singapore</i>
15:20 <b>O14</b>	<b>Overcoming the bottleneck through traditional knowledge-inspired drug discovery</b> Kalpana Joshi, <i>Sinhgad Institutes, India</i>
16:00	<b>Tea and coffee break</b>
<b>Session 4 B: Biological target identification</b> <b>Session Chair:</b> Jitendra Sattigeri, <i>DSIN, Gurgaon</i>	
16:30 <b>O15</b>	<b>A chemical approach to understanding cell division</b> Ulrike Eggert, <i>King's College London, UK</i>
<b>Session 4 C: Case history</b> <b>Session Chair:</b> Jitendra Sattigeri, <i>DSIN, Gurgaon</i>	
17:10 <b>O16</b>	<b>Discovery of the oral Factor Xa inhibitor, Edoxaban</b> Masatoshi Nagamochi, <i>Daiichi Sankyo, Tokyo, Japan</i>
17:50	<b>Closing remarks</b>
18:10	<b>Close</b>

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