

# XVII NOST-Organic Chemistry Conference (NOST-OCC)

Venue: Hotel Le Meridien, Jaipur

(October 27-30, 2015)

**October 27, 2015 (Tuesday)**

(2:30 PM – 2:45 PM) : <i>Welcome by</i> Sandeep Verma / S Chandrasekhar Co-chairperson, NOST-Council	
<b>Introduction about NOST – Prof S Chandrasekaran</b> Chairman, NOST-Trustees	
<b>PANACEA BIOTEC Session</b>	
<b>SESSION 1</b> (2:50 PM - 4:10 PM)	<b>Chairperson: Prof Ganesh Pandey</b> (CBMR, Lucknow, India)
2:50 - 3:20	Vinod K Singh (IISER Bhopal, India) <i>Enantioselective Approach to Isoindolinones and Tetrahydroisoquinolines (THIQ)</i>
3:20 - 3:50	Stuart Conway (University of Oxford, UK) <i>Targeting Epigenetic Reader Proteins using Chemical Biology</i>
3:50 - 4:10	Perali Ramu Sridhar (University of Hyderabad, India) <i>Novel Synthetic Transformations of Unusual Sugars</i>
4:10 PM	<b>TEA / COFFEE BREAK</b>
<b>JUBILANT LIFE SCIENCES Session</b>	
<b>SESSION 2</b> (4:40 PM -6:30 PM)	<b>Chairperson: Prof Jerome Lacour</b> (University of Geneva, Switzerland)
4:40 - 5:10	Sensuke Ogoshi (Osaka University, Japan) <i>Nickel-Catalyzed Transformation of Carbonyl Compounds via Hetero-Nickelacycle Intermediates</i>
5:10 - 5:40	G. Mugesh (IISc Bangalore, India) <i>Complex Chemical Pathways of Thyroid Hormone Action</i>
5:40 - 6:10	Christian Hackenberger (Germany) <i>Synthesis and Cellular Delivery of Functional Proteins</i>
6:10 - 6:30	Kana M Sureshan (IISER-Thiruvananthapuram, India) <i>Topochemical Azide-Alkyne Cycloaddition (TAAC) Reaction for Biopolymer Mimics</i>
7:30 PM	<b>MIXER &amp; DINNER</b>

**October 28, 2015 (Wednesday)**

<b>BASF Session</b>	
<b>SESSION 3</b> (9:00 AM -11:10 AM)	<b>Chairperson: Prof Uday Maitra</b> (IISc, Bangalore, India)
9:00 - 9:30	Joël Boustie (University of Rennes 1, France) <i>Lichens, an Under-Explored Source for Drug Discovery</i>
9:30 - 10:00	Sanjay Batra (CSIR-CDRI, Lucknow, India) <i>Iodine-mediated Heterocyclizations of Morita-Baylis-Hillman Derivatives via Domino Approach</i>
10:00 - 10:30	Gwilherm Evano (Université Libre de Bruxelles, Belgium) <i>New Developments in the Chemistry of Ynamides</i>
10:30 - 10:50	Swapandeep S. Chimni (Gurunanakdev University, Amritsar, India) <i>Bifunctional Organocatalysts in Action: Asymmetric Construction of Carbon-Carbon Bonds</i>
10:50 AM	<b>TEA / COFFEE BREAK</b>
<b>ELI LILLY Session</b>	
<b>SESSION 4</b> (11:20 AM -1:00 PM)	<b>Chairperson: Prof. Hiroshi Segawa</b> (The University of Tokyo, Japan)
11:20 - 11:50	R N Mukherjee (IISER Kolkata, India) <i>Molecular and Electronic Structures and Reactivity of Complexes with Aminophenol-based Redox-Active Ligands. Bioinorganic and Inorganic Perspectives</i>
11:50 - 12:20	Motonari Uesugi (Kyoto University, Japan) <i>Synthetic Molecules for Cell Biology and Cell Therapy</i>
12:20 - 12:40	Chada Raji Reddy (CSIR-IICT, Hyderabad, India) <i>Enyne-Assisted Annulations towards Indoles, Carbazoles and a Pyrrole Alkaloid, Myrmecarin</i>
12:40 - 1:00	Dimpy Kalia (University of Pune, India) <i>Maleimide-based Michael Acceptors for Stable Protein Bioconjugation</i>
1:00 PM	<b>LUNCH BREAK</b>
2:30 PM	Sight Seeing (Jaipur)
<b>PI INDUSTRIES Session</b>	
6:30 - 7:30	<b>Chairperson: Prof. Javed Iqbal</b> (Cosmic Therapeutics, Hyderabad, India)

	<b>Evening Lecture:</b> N Rao Movva (Novartis, Switzerland) <i>Drug Discovery and Development: Journey with Rapamycin</i>
7.30 PM	<b>DINNER</b>

**October 29, 2015 (Thursday)**

<b>ASTRAZENECA Session</b>	
<b>SESSION 5</b> (9:00 AM -11:10 AM)	<b>Chairperson: Prof. Toshiake Mase/Yasuhiro Uozumi</b> (Institute of Molecular Science, Japan)
9:00 - 9:30	Amit Basak (IIT Kharagpur, India) <i>Use of LDI-MS in Capturing Molecular Interactions</i>
9:30 - 10:00	Jin K Cha (Wayne State University, USA) <i>New Synthetic Methods Based on Cyclopropanols</i>
10:00 - 10:30	S Sankararaman (IIT Madras, India) <i>Is 1,2,3-Triazolylidene (Tz) Better than Phosphine (P) as Ligand in Pd(0)-Catalysed Carbonylative Sonogashira Reaction? Synthesis of Ynones and Bis-ynones with Privileged Chromophores</i>
10:30 - 10:50	Rajib Kumar Goswami (IACS, Jadavpur, India) <i>Asymmetric Total Synthesis of Bioactive Natural Lipid, Mycalol</i>
10:50 - 11:10	Sripada S V Ramasastry (IISER Mohali, India) <i>Novel Cascade Approaches for the Cyclopentannulation of Aryls and Heteroaryls</i>
11:10 AM	<b>TEA / COFFEE BREAK</b>
<b>DST-SERB Session</b>	
<b>SESSION 6</b> (11:40 AM -1:30 PM)	<b>Chairperson: Prof T K Chandrashekar</b> (SERB, New Delhi, India)
11:40 - 12:10	Steve Marsden (University of Leeds, UK) <i>Synthetic Strategies for the Efficient Exploration of Lead-Like Space</i>
12:10 - 12:40	Santosh J Gharpure (IIT Bombay, India) <i>Stereoselective Synthesis of Oxa- and Aza-cycles Using Reactions of Alkynes</i>
12:40 - 1:10	Igor Larrosa (University of Manchester, UK) <i>Pd, Cr and Ag in C-H Activation: Reactivity and Selectivity Control in the Synthesis of Biaryls</i>
1:10 - 1:30	Namrata Rastogi (CSIR-CDRI, Lucknow, India) <i>DAMP Anion in Nucleophilic Substitution Reactions</i>

1:30 PM	<b>LUNCH BREAK</b>
<b>TRUSTEES Session</b>	
<b>SESSION 7</b> (2:50 PM - 4:10 PM)	<b>Chairperson: Dr J S Yadav</b> (CSIR-IICT, Hyderabad, India)
2:50 - 3:20	Manas K. Ghorai (IIT Kanpur, India) <i>Domino Imino-Aldol-Michael, Michael-Michael and Aldol-Aldol Reactions: Stereoselective Synthesis of Biologically Important Aza-, Carba- and Oxacyclic Compounds</i>
3:20 - 3:50	Prof Jerome Lacour ( University of Geneva, Switzerland) <i>On the Use of Stereogenic Nitrogen Atoms</i>
3:50 - 4:15	<b>TEA / COFFEE BREAK</b>
<b>SESSION 8</b> (4:15 PM - 5:45 PM)	<b>Editors Panel Discussion: 'High Impact Publishing'</b> <b>Chairperson: Prof S Chandrasekaran</b> (IISc, Bangalore, India)
7.30 PM	<b>BANQUET DINNER</b> <i>The City Palace, Jaipur ( <a href="http://msmuseum.com/">http://msmuseum.com/</a>)</i> <i>(Buses depart at 6:30 pm sharp from Le Meridien Hotel)</i>

**October 30, 2015 (Friday)**

<b>SYNGENTA BIOSCIENCES Session</b>	
<b>SESSION 9</b> (9:00 AM -11:10 AM)	<b>Chairperson: Prof Renee Gree</b> (University of Rennes, France)
9:00-9:30	Prabhakar Jadhav, Eli Lilly, USA <i>Discovery of Potent, Orally Bioavailable Nonpeptide Cathepsin S Inhibitor</i>
9:30 - 10:00	V V Sureshbabu (Bangalore University, Bangalore, India) <i>New Protocols and Strategies for the Synthesis of Selenium Containing Peptidomimetics</i>
10:00 - 10:20	Pazhamalai Anbarasan (IIT Madras, India) <i>New Avenues in Metal Catalyzed Functionalization of <math>\alpha</math>-Diazo Carbonyl Derivatives</i>
10:20 - 10:40	S. Ganesh Kumar, Bharathidasan University <i>Copper(I)-Catalyzed Diastereoselective Synthesis of Spiroindolo-Pyrroles/-Imidazoles/-Triazoles via [3+2]-Cycloaddition of Azomethine Ylides</i>
10:40 AM	<b>TEA / COFFEE BREAK</b>

<b>CIPLA Session</b>	
<b>SESSION 10</b> (11:10 AM - 1:10 PM)	<b>Chairperson: Prof Ray C F Jones</b> (Loughborough University, UK)
11:10 - 11:40	Kavirayani R Prasad (IISc Bangalore, India) <i>Gold catalyzed Rearrangement Reactions for the Synthesis of Structurally Complex Molecules</i>
11:40 - 12:00	Aasheesh Srivastava (IISER Bhopal, India) <i>Anion-Induced White Light Emission from a Water-Tolerant Optical Tweezer</i>
12:00 - 12:20	Alakananda Hajra (Visva Bharathi, Santiniketan, India) <i>New Synthetic Strategies for the Construction of Imidazoheterocycles</i>
12:20 - 12:40	R Vijaya Anand (IISER Mohali, India) <i>Chemoselective Organic Transformations Catalyzed by Nucleophilic Carbenes</i>
12:40 – 1.00	Concluding Remarks
1:00 PM	<b>LUNCH followed by Departure</b>