

**XV NOST-Organic Chemistry Conference (NOST-OCC)**  
**Venue: Jaypee Palace Hotel, Agra**  
**(October 10 – 13, 2012)**

<b>October 10, 2012 (Wednesday)</b>	
(2:30 PM - 2:45 PM)	<b>Introductory Remarks:</b> (G. S. R. Subba Rao/Vinod Singh)
<b>PANACEA BIOTEC Session</b>	
<b>SESSION 1</b> (2:50 PM - 4:10 PM)	<b>Chairperson: Dr. K. Nagarajan</b> (Hikal Ltd., Bangalore)
2:50 - 3:20	L. F. Tietze (University of Gottingen, Germany) <i>Synthesis of Natural Products, Drugs, Agrochemicals &amp; Materials by Multiple Pd-Catalyzed Transformations</i>
3:20 - 3:50	S. Sankararaman (IIT Madras, India) <i>1,2,3-Triazolylidene-Palladium Complexes – Efficient Catalysts for Multiple Suzuki Coupling</i>
3:50 - 4:10	Alakesh Bisai (IISER Bhopal, India) <i>Intramolecular Dehydrogenative Coupling (IDC) Strategy for the Synthesis of Indole Alkaloids</i>
4:10 PM	<b>TEA/COFFEE BREAK</b>
<b>JUBILANT LIFE SCIENCES Session</b>	
<b>SESSION 2</b> (4:40 PM - 6:50 PM)	<b>Chairperson: Professor S. Chandrasekaran</b> (IISc Bangalore)
4:40 - 5:10	Tushar K. Chakraborty (CDRI Lucknow, India) <i>Cyclic Cationic Antimicrobial Peptides as Potent Antimicrobial Agents</i>
5:10 - 5:40	Dilip K. Maiti (University of Calcutta, India ) <i>Synthesis of Organic Compounds in a Surfactant Assembled Nanoreactor Built in Water</i>
5:40 - 6:10	Andrew Smith (University of St. Andrews, UK) <i>Asymmetric Lewis Base Catalysis for Carbo- and Heterocycle Synthesis</i>
6:10 - 6:30	R. Balamurugan (University of Hyderabad, India) <i>Development of Reactions Using Multi-Faceted Gold Catalysis</i>
6:30 - 6:50	Amit Balakrishna Pawar (IISc Bangalore, India) <i>Total Synthesis of Palmerolide A &amp; towards Synthesis of Palmerolide C</i>
7:30 PM	<b>MIXER &amp; DINNER</b>

<b>October 11, 2012 (Thursday)</b>	
<b>BASF Session</b>	
<b>SESSION 3</b> (9:00AM - 10:40 AM)	<b>Chairperson: Professor Uday Maitra (IISc Bangalore)</b>
9:00 - 9:30	Magnus Rueping (RWTH, Aachen University) <i>Ion Pairs in Asymmetric Catalysis: From Concepts to Applications</i>
9:30 - 10:00	Asit K. Chakraborti (NIPER Punjab, India) <i>Supramolecular Organocatalysis</i>
10:00 - 10:20	Samik Nanda (IIT Kharagpur, India) <i>Chemoenzymatic Synthesis of Small Ring Carbocycles from <math>\alpha</math>-substituted <math>\beta</math>-oxoesters</i>
10:20 - 10:40	K. M. Muraleedharan (IIT Madras, India) <i>Co-operative Rotamer Preferences During Folding &amp; Environment-Dependant Aggregation in <math>\alpha,\beta^{2,3}</math>-Hybrid peptides</i>
10:40 AM	<b>TEA/COFFEE BREAK</b>
<b>ELI LILLY Session</b>	
<b>SESSION 4</b> (11:10 AM - 1:00 PM)	<b>Chairperson: Professor Ganesh Pandey (NCL Pune)</b>
11:10 - 11:40	Prasad V. Bhartam (NIPER Punjab, India) <i>Divalent N(I) Compounds: Importance in Chemistry &amp; Drug Discovery</i>
11:40 - 12:00	S. G. Srivatsan (IISER Pune, India) <i>Synthesis, Incorporation &amp; Applications of Functionalized Nucleoside Analogues</i>
12:00 - 12:20	Nitin T. Patil (ICT Hyderabad, India) <i>Merging Gold Catalysis with Organocatalysis</i>
12:20 - 12:40	Varun Vij (GND University, India) <i>Molecular Propellers as Biosensors &amp; Chemosensors</i>
12:40 - 1:00	Rima Lahiri ( IIT Kanpur, India) <i>Strategic Design and Synthesis of Iminoalditols as Glycosidase Enzyme Inhibitors</i>
1:00 PM	<b>LUNCH BREAK</b>
3:00 PM	<b>SIGHT SEEING (The Taj Mahal)</b>
7:00 PM	<b>BANQUET DINNER</b>

<b>October 12, 2012 (Friday)</b>	
<b>ASTRAZENECA Session</b>	
<b>SESSION 5</b> (9:00 - 11:00 AM)	<b>Chairperson: Professor Javed Iqbal</b> (ILS Hyderabad)
9:00 - 9:30	Masahiro Murakami (Kyoto University, Japan) <i>Two Reactions in Sequence</i>
9:30 - 10:00	J. N. Moorthy (IIT Kanpur, India) <i>Modulation of the Photochromic Behavior of Chromenes via Stereoelectronic Effects</i>
10:00 - 10:30	Jerome Lacour (University of Geneva, Switzerland) <i>Investigations in Selective Synthesis &amp; Catalysis</i>
10:30 - 11:00	Arun K. Sinha (IHBT Palampur, India) <i>Green Methodologies Towards Protection-group-free Synthesis of Natural &amp; Non-natural Bioactive Phenolics</i>
11:00 AM	<b>TEA/COFEE BREAK</b>
<b>SYNGENTA BIOSCIENCES Session</b>	
<b>SESSION 6</b> (11:30 AM - 1:20 PM)	<b>Chairperson: Professor Sandeep Verma</b> (IIT Kanpur)
11:30 - 12:00	Andreas Pfaltz (University of Basel, Switzerland) <i>Asymmetric Hydrogenation with Iridium Catalysts Derived from Chiral P,N Ligands</i>
12:00 - 12:30	N. Jayaraman (IISc Bangalore, India) <i>Unsaturated Sugars: A Mine for Synthetic Explorations</i>
12:30 - 1:00	James Nowick (University of California Irvine, USA) <i>The Supramolecular Chemistry of <math>\beta</math>-Sheets</i>
1:00 - 1:20	D. B. Ramachary (University of Hyderabad, India) <i>Discovery of in Situ 2-Aminobuta-1,3-enynes: Applications in Organocatalytic Asymmetric Cascade Reactions</i>
1:20 PM	<b>LUNCH BREAK</b>
<b>SESSION 7</b> (3:00 PM - 4:30 PM)	<b>Chairperson: Dr. Bhanu Manjunath</b> (Syngenta Biosciences Pvt. Ltd.)
3:00 - 3:30	Sambasivarao Kotha (IIT Bombay, India) <i>Diversity Oriented Approaches to Unusual Amino Acid Deriv. &amp; Peptides</i>

3:30 - 4:00	Andrew Plant (Syngenta Crop Protection R&D, Switzerland) <i>Synthesis of <math>\alpha</math>-Fluorosulfone Herbicides</i>
4:00 - 4:30	Prabhakar K. Jadhav (Lilly Research Laboratories, Indianapolis, USA ) <i>Orally Bioavailable, Nonsteroidal MR Antagonist LY2180176 for the Treatment of Hypertension</i>
4:30 PM	<b>TEA/COFEE BREAK</b>
<b>SESSION 8</b> (5:00 PM - 7:10 PM)	<b>Chairperson: Dr. Sanjay Trehan (Panacea Biotech)</b>
5:00 - 5:30	Bruno Linclau (University of Southampton Highfield, UK) <i>Allylation of <math>\alpha</math>-Oxygenated Aldehydes: A Highly Diastereoselective Key Step in the Total Synthesis of Luminacin D</i>
5:30 - 5:50	Suvarn Kulkarni (IIT Bombay, India) <i>Regioselective Approaches for Glycoconjugate Synthesis</i>
5:50 - 6:10	M. S. Singh (Banaras Hindu University, India) <i>Synthesis of Novel Heterocycles by Heteroannulation of <math>\beta</math>-Oxodithioesters</i>
6:10 - 6:30	Prasanta Ghorai (IISER Bhopal, India) <i>Oxo-Rhenium Catalysis: Direct Activation of <math>\pi</math>-Activated Alcohols &amp; Organosilanes</i>
6:30 - 6:50	P. Shanmugam (CLRI Chennai, India) <i>One-Pot Synthesis of Novel Acyclic and Spirocyclic Fluorescence Materials &amp; Spiro Azitidines via Multicomponent Reaction</i>
6:50 - 7:10	Rohan D. Erande (IIT Kanpur, India) <i>Biomimetic First Total synthesis of Flinderoles B and C</i>
7:30 PM	<b>DINNER</b>
<b>October 13, 2012 (Saturday)</b>	
<b>SESSION 9</b> (9:00 AM - 11:00 AM)	<b>Chairperson: Professor B. C. Ranu (IACS Kolkata)</b>
9:00 - 9:30	Ray C. F. Jones (Loughborough University, UK) <i>An Isoxazole Strategy for Cyclic Tricarbonyl Metabolites</i>
9:30 - 10:00	Matthew Fuchter (Imperial College London, UK ) <i>Harnessing the Potential of Helicenes</i>
10:00 - 10:30	Bhisma K. Patel ( IIT Guwahati, India ) <i>Metal Catalyzed Aerobic C-H Functionalization at <math>sp^2</math> &amp; <math>sp^3</math> Carbons</i>
10:30 - 11:00	Ross Denton (University of Nottingham, UK ) <i>From Stoichiometric Organophosphorus Reagents to Catalysis: Catalytic Phosphorus-Based <math>S_N2</math> Reactions</i>

11:00 AM	<b>TEA/ COFFEE BREAK</b>
<b>SESSION 10</b> (11:30 AM - 1:00 PM)	<b>Chairperson: Professor F. A. Khan (IIT Hyderabad)</b>
11:30 - 11:50	Rama K. Peddinti (IIT Roorkee, India) <i>Tuning the Reactivity of Orthobenzoquinone Derivatives</i>
11:50 - 12:10	A. K. Mohanakrishnan (University of Madras, India) <i>Synthesis of Annulated Heterocycles Involving Lewis Acid Mediated Domino Reactions</i>
12:10 - 12:30	C. V. Ramana (NCL Pune, India) <i>Molecular Complexity via Metal-Catalysis : Enriching Total Synthesis with Metal-Mediated Transformations</i>
12:30 - 1:00	Concluding Remarks
1:00 PM	<b>LUNCH Followed by departure.</b>