

Sunday, February 12th

- Morning** ARRIVAL OF THE GERMAN AND INDIAN PARTICIPANTS
- 02:45 pm** WELCOME TO THE INDIGO PHD NETWORK MEETING
- 03:00 pm** RESEARCH SESSION 1
Chair: Prof. S. Sankararaman
Prof. Burkhard König (UR): "Organic Synthesis powered by Visible Light"
Ms. Susanne Kümmel (UR): "Vitamins for Synthesis: Photocatalysis with Flavins"
Prof. Uday Maitra (IISc Bangalore): "Luminescent, Functional Hydrogels by the Self-assembly of Multiple Components"
Mr. Arkajyoti Chakrabarti (IISc Bangalore): "Rigid-templating of metal-driven supramolecular hydrogels for inorganic nano-architectures"
- 04:30 pm** COFFEE / TEA BREAK
- 05:00 pm** RESEARCH SESSION 2
Chair: Prof. Ganesh P. Pandey
Prof. Sayam Sen Gupta (NCL Pune): "Synthesis and self-assembly of polypeptide based materials"
Ms. Munmun Ghosh (NCL Pune): "Investigate the ability of silk-based materials to catalyze C-C bond forming reactions"
Dr. David Díaz-Díaz (UR): "Catalytic activity of bio-hydrogels systems"
- 07:00 pm** DINNER

We thank the German Federal Ministry of Education and Research (BMBF), the German Academic Exchange Service (DAAD), BASF SE, and Dr. Reddy's Laboratories for their generous sponsorship of the INDIGO-programme.



Deutscher Akademischer Austausch Dienst
German Academic Exchange Service



Monday, February 13th

- 09:00 am** RESEARCH SESSION 3
Chair: Prof. Henning Hopf
Prof. Volker Sieber (TUM): "Biocatalysis for biomass based chemicals"
Prof. Ganesh P. Pandey (NCL Pune): "Metal Free –C-H (sp³ & sp²) Activation for –C-C- and –C-N-(O) Bond Forming Reactions"
Ms. Priyanka Adate (NCL Pune): "Organocatalytic dynamic kinetic resolution via conjugate addition: Synthesis of chiral trans-2,5-dialkylcyclohexanones"
- 10:30 am** COFFEE / TEA BREAK
- 11:00 am** RESEARCH SESSION 4
Chair: Prof. Sundarababu Baskaran
Prof. Govindasamy Sekar (IITM): "Nature Inspired Chiral Catalysis for the Synthesis of Enantiomerically Enriched Alcohols"
Mr. Rajendran Saravana Kumar (IITM): "Synthesis and Characterization of 2-substituted Tribenzotriquinacenes"
Prof. Henning Hopf (TUB): "Bowl-shaped hydrocarbons in organic chemistry: A new and simple route to tribenzotriquinacenes (TBTQs)"
- 01:00 pm** LUNCH
- 03:00 pm** RESEARCH SESSION 5
Chair: Prof. Oliver Reiser
Dr. Kirsten Zeitler (UR): "Application of biomimetic concepts for catalysis"
Mr. Johannes Franz (UR): "A versatile organocatalytic access to functionalized benzofuran-3-(2H)-ones"
Dr. Sanjay Batra (CDRI Lucknow): "Synthesis of Aza-heterocycles via Cascade reactions"
Mr. Maloy Nayak (CDRI Lucknow): "Intermediates from Morita-Baylis-Hillman adducts as sustainable source for synthesis of heterocycles"
- 04:30 pm** COFFEE / TEA BREAK

- 05:00 pm** RESEARCH SESSION 6
Chair: Prof. Uday Maitra
Prof. Oliver Reiser (UR): "Mag(net)ic Catalysts - Synthesis and Applications"
Mr. Paul Kohls (UR): "Visible Light Photo Redox-Catalysis"
Mr. Viktor Kais (UR): "Visible Light Photocatalysis – C-O-Defunctionalization"
Mr. Matthias Knorn (UR): "Immobilization of Catalysts on Nanomagnets"
Prof. Javed Iqbal (ILS Hyderabad): "Synthesis of Anti Tumor Hybrid Macrolides"
Mr. Balakrishna Dulla (ILS Hyderabad): "Sequential C-N and C-O bond Formation in Single pot: Synthesis of 1,4-Benzoxazines from Quinol and Aminoacid precursors"

07:30 pm DINNER

Tuesday, February 14th

- 09:00 am** RESEARCH SESSION 7
Chair: Prof. Volker Sieber
Prof. Balaji Jagirdar (IISc Bangalore): "Activation of B-H Bonds in Small Molecules"
Mr. A. Ramaraj (IISc Bangalore): "Efforts toward the observation of sigma-methane complex"
Prof. Fritz Kühn (TUM): "Catalysis and Sustainability: Environmentally Friendly Contributions from Chemistry"
Dr. Mirza Cokoja (TUM): "Activation of Small Molecules – Current Challenges in Homogeneous Catalysis"
- 10:45 am** COFFEE / TEA BREAK
- 11:15 am** RESEARCH SESSION 8
Chair: Dr. Kirsten Zeitler
Prof. Alakesh Bisai (IISER Bhopal): "Intramolecular Dehydrogenative Coupling (IDC) of sp² C-H and sp³ C-H Bonds: Convenient Approach to Natural Products having all Carbon Quaternary Center"
Prof. Axel Jacobi von Wangelin (UR): "How much is your C-C bond? On cheap and practical metal- and organo-catalyzed C-C-bond forming reaction"



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2011-2012



01:00 pm LUNCH

03:00 pm RESEARCH SESSION 9

Chair: Prof. S. Chandrasekaran

Prof. Goverdhan Mehta (University of Hyderabad): "Synthesis of neurotrophic natural products"

Prof. N. Jayaraman (IISc Bangalore): "Branching-Out at C-2 in Sugars through Expansions, Shifts and Rearrangements"

Mr. Rahul B. Suresh (IISc Bangalore): "Multivalent Dendritic Organometallic Catalysts"

04:30 pm COFFEE / TEA BREAK

05:00 pm RESEARCH SESSION 10

Chair: Prof. Burkhard König

Prof. M. Jayakannan (IISER Pune): "Weak interaction driven diverse Molecular Self-assembly in p-Conjugates"

Mr. Maroti Pawar (IISER Pune): "Synthesis and Enzymatic Incorporation of a Microenvironment-Sensitive Fluorescent Ribonucleotide Analogue"

Prof. Arno Pfitzner (UR): "Cage molecules in solid solvents"

07:00 pm DINNER

Wednesday, February 15th

09:00 am RESEARCH SESSION 11

Chair: Prof. Fritz E. Kühn

Prof. Dilip D. Dhavale (University of Pune): "Studies towards Oxyacetamide Linked RNA Analogues: Synthesis and Conformation of Modified Dinucleoside"

Mr. Amit M. Jabgunde (University of Pune): "Development of a novel nucleoside analogue with S-type sugar conformation: trans-3', 4'-bridged nucleic acids"

Prof. Ruth Gschwind (UR): "Enamine and Brønsted Acid Catalysis - Intermediates Trapped by NMR"

10:30 am COFFEE / TEA BREAK

11:00 am RESEARCH SESSION 12

Chair: Prof. Goverdhan Mehta

Prof. Santosh J. Gharpure (IIT Madras): "New Strategies for the Stereoselective Synthesis of Oxa and Aza-Cycles"

Mr. Sangram Gore (IIT Madras): "Low Melting Mixtures as Alternative Green Reaction Medium"

Prof. Henri Brunner (UR): "Chiral-at-Metal 16e-Intermediates [CpM(Propfos)]⁺ – Stereochemistry, Cage Effects"

01:00 pm LUNCH

02:30 pm TRAINING SESSION 1

Chair: N.N.

Prof. Christopher Hunter (University of Sheffield, UK): "The Molecular Recognition Toolbox"

04:30 pm COFFEE / TEA BREAK

05:00 pm TRAINING SESSION 2

Chair: N.N.

Prof. Hendrik Zipse (LMU Munich): "Radicals in Chemistry and Biology"

07:00 pm CLOSING REMARKS

07:30 pm DINNER

Thursday, February 16th

EXCURSION TO PONDICHERRY



picture: Bernard Gagnon

February 12th to 16th 2012

Ideal Beach Resort Mahabalipuram – Chennai

India

INDIGO - Indian-German Graduate School
of Advanced Organic Synthesis for a Sustainable Future