

Sunday, October 6th

Afternoon ARRIVAL OF THE GERMAN AND INDIAN PARTICIPANTS IN LUDWIGSHAFEN

Accommodation:

Heinrich Pesch Haus

Frankenthaler Str. 229
67059 Ludwigshafen
phone: +49 (0)621 5999 164
Internet: <http://www.hotel.heinrich-pesch-haus.de>

06:00 pm WELCOME TO THE INDIGO PHD NETWORK MEETING

07:00 pm DINNER WITH BASF SE

Monday, October 7th

09:00 am GUIDED TOUR THROUGH THE BASF SE SITE

see separate programme

04:00 pm TRANSFER TO REGENSBURG BY BUS

Accommodation German participants:

Altstadthotel Arch

Haidplatz 2-4, 93047 Regensburg
phone: +49 (0)941 5866 0
Internet: <http://www.altstadthotelarch.de>

Accommodation Indian participants:

ACHAT Plaza Herzog am Dom Regensburg

Domplatz 3, 93047 Regensburg
phone: +49 (0) 941 58400 0
Internet: <http://www.achat-hotels.com/hotels/Regensburg/>

Tuesday, October 8th

Vielberth Gebäude

Campus Universität Regensburg

09:00 am WELCOME TO CHEMICAL ESSENCES

RESEARCH SESSION 1: GELS, MELTS AND LIGHT (KÖNIG)

Prof. Uday Maitra (IISc Bangalore): "A 'Pro-sensitizer' Approach for Enzyme Sensing Using Lanthanide Luminescence"

Stefanie Jäger / Stefan Balk (Universität Regensburg): "Luminescent and Photocatalytic Gels"

Prof. Dilip D. Dhavale (University of Pune): "Carbene Radicals from α -Diazo-Carbonyl Compounds Using Visible Light and Photoredox Catalysts"

Tamal Ghosh / Durga Prasad Rao Hari (Universität Regensburg): "Visible Light Photocatalysis"

Prof. Kirsten Zeitler (Universität Leipzig): "Redox Catalysis with and without Light"

11:00 am COFFEE / TEA BREAK

TRAINING SESSION 1: LIGHT AND MATTER (MAITRA)

Prof. John Lupton (Universität Regensburg): "Molecular Mesoscopes: Approaching Organic Semiconductors from the Bottom up"

12:30 pm LUNCH

RESEARCH SESSION 2: CATALYSIS (GSCHWIND)

Prof. Balaji Jagirdar (IISc Bangalore): "Activation of Unreactive Chemical Bonds in Small Molecules"

Nidhi Grover (TU München): "Cyclopentadienyl Molybdenum(II) Tricarbonyl Alkene Epoxidation Pre-catalysts: Synthesis, Catalysis, Kinetics and Mechanisms"

Dr. Barnali Dutta (TU München): "Addressing the Energy Issue: Conversion of CO₂ to Useful Chemicals via Metal and Non-metal Routes"

Prof. S. Sankararaman (IIT Madras): "Chiral 1,2,3-triazol-5-ylidene Pd(II) Complexes"

03:00 pm COFFEE / TEA BREAK

03:30 pm RESEARCH SESSION 3: SYNTHESIS (JACOBI)

Prof. Alakesh Bisai (IISER Bhopal): "Construction of Vicinal Quaternary Stereocenters via a Double Catalytic Diastereoselective and Enantioselective Tsuji Allylation"

Prof. Hendrik Zipse (LMU München): "Quantitative Aspects of Nucleophilic Organocatalysis"

Prof. Christoph Schneider (Universität Leipzig): "A Convergent Approach toward a Highly Stereoselective Synthesis of Polydeoxypropionate Natural Products"

Prof. Srinivasan Chandrasekaran (IISc Bangalore): "Chemistry of Vinylcyclopropanes: Synthesis of Chiral Bicyclic Amidines and Z-Alkylidenetetrahydrofurans"

06:00 pm SIGHTSEEING

07:30 pm CONFERENCE DINNER

Haus Heuport

Domplatz 7
93047 Regensburg

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.

DAAD

Deutscher Akademischer Austausch Dienst
German Academic Exchange Service

DR. REDDY'S
LIFE. RESEARCH. HOPE

BASF
The Chemical Company

Wednesday, October 9th

09:00 am RESEARCH SESSION 4: MORE CATALYSIS (SINGH)

Prof. Magnus Rüping (RWTH Aachen): "Visible Light Mediated Functionalization of Amines and Arenes"

Prof. Ganesh P. Pandey (NCL Pune / CBMR Lucknow): "Photoredox Catalyses in C-H bond Activation"

Prof. David Díaz-Díaz (Universität Regensburg): "Multifunctional Metallo-supramolecular Materials: From Catalysis to Drug Delivery and Self-healing"

Prof. Sayam Sen Gupta (NCL Pune): "Development of Fe(III) Complexes of Biuret Based Macrocyclic Ligands: From Catalysts for C-H Activation to Chemical Probes in Analyte Detection"

Prof. Sujit Roy (IIT Bhubaneswar): "From Bimetallic Catalysts to Multimetallic Nano-Scale Catalysts: A Proposal to INDIGO"

10:30 am COFFEE / TEA BREAK

11:00 am TRAINING SESSION 2: SYNTHESIS (SANKARARAMAN)

Prof. Alois Fürstner (MPI Mülheim): "Carbophilic Lewis Acid Catalysis"

12:00 pm LUNCH

01:30 pm RESEARCH SESSION 5: MORE SYNTHESIS (PANDEY)

Prof. Alois Fürstner (MPI Mülheim): "Alkyne Metathesis"

Prof. Tushar K. Chakraborty (CDRI Lucknow): "Synthesis of Natural Products and Natural Product-like Designer Molecules in Drug Discovery"

Prof. Henning Hopf (TU Braunschweig): "Some Remarks on Curved Aromatic Structures"

Prof. Vinod K. Singh (IISER Bhopal/IIT Kanpur): "Enantioselective Michael Reaction Using 2-Enyolpyridine as a Template"

03:30 pm COFFEE / TEA BREAK

04:00 pm RESEARCH SESSION 6: CHEMISTRY MEETS BIOLOGY (REISER)

Prof. Sandeep Verma (IIT Kanpur): "Thiolated Tryptophan-based Fluorescent Gold Clusters for *C. elegans* Bioimaging"

Prof. Sundarababu Baskaran (IIT Madras): "Diversity Oriented Synthesis of Novel Iminosugar C-Glycosides"

Dr. Sabine Amslinger (Universität Regensburg): "Electrophiles for Activity Tuning"

Prof. Sanjay Batra (CDRI Lucknow): "Transition Metal-assisted Cascade Strategies for the Synthesis of Diverse Heterocycles of Biological Interest"

Prof. Javed Iqbal (DRILS Hyderabad): "Synthetic Studies Directed towards Migrastatin Family of Cell Migration Inhibitors"

06:00 pm CLOSING

END OF RESEARCH CONFERENCE AND DEPARTURE OF PARTICIPANTS

07:30 pm DINNER (optional)

Thursday, October 10th

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Campus Universität Regensburg

for students:

10:00 am TRAINING SESSION 3: ORGANOCATALYSIS

Prof. Kirsten Zeitler (Universität Leipzig): "Organocatalysis"

01:00 pm LUNCH

02:00 pm TRAINING SESSION 4: PHOTOCATALYSIS

Prof. Burkhard König (Universität Regensburg): "Perspectives in Photocatalysis"

INDIGO PhD Research Conference and Intensive Course



October 6th to 10th 2013

Ludwigshafen – Regensburg

Germany

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