Technical Program

Day 1: Thursday, September 10, 2026

Inauguration and Welcome Address (15:45 – 16:00) **T Govindaraju, Sarit S Agasti** **Alexander Heckel, Nina Morgner, Sandeep Verma**	
Session 1 (16:00 – 18:15) ***Chair:*** **Prof. Dr. Anand Singh**	
16:00 – 16:30	**IL1: Prof. Dr. Alexander Heckel**, Goethe University Frankfurt, Germany **Title: The very, very long way towards selective photochemistry**
16:30 – 17:00	**IL2: Prof. Dr. Pradeepkumar P I**, IIT Bombay, India **Title: Functional Modulation and Sensing of G-Quadruplex Nucleic Acids by Designer Molecules**
17:00 – 17:30	**IL3: Prof. Dr. Sajan George**, Manipal Institute of Higher Education, Manipal, India **Title: Strategies for Single-Cell Trapping, Manipulation, and Analysis.**
17:30 – 18:00	**IL4: Dr. Taniya Chakraborty**, Goethe University Frankfurt, Germany **Title: Integrating Opto-chemical and Optogenetic Control for Programmable RNA Engineering in Synthetic Cells**
18:00 – 18:15	**YIL1: Krithi K Bhagavath**, JNCASR, Bengaluru, India **Title: Differential detection of tau aggregation species using a small molecule probe for cell-based drug screening**
19:00 onwards	**Mixer Dinner**

Day 2: Friday, September 11, 2026

Session 2 (09:00 – 10:45) ***Chair:*** **Prof. Dr. Alexander Heckel**	
09:00 – 09:30	**IL5: Prof. Dr. Ines Neundorf,** University of Cologne, Germany **Title: Tailoring the activity spectra of cell-penetrating peptides**
09:30 – 10:00	**IL6: Prof. Dr. Jagannath Mondal**, TIFR Hyderabad, India **Title: Integrating computer simulation with Experiments**
10:00 – 10:30	**IL7: Prof. Dr. Youhei Sohma**, Wakayama Medical University, Japan **Title: Chemistry to create, destroy, and utilize amyloids**
10:30 – 10:45	**YIL2: Dr. Pragya Trivedi,** IIT Kanpur, India **Title: Self-Assembled Single-Component Organic Nanoparticles as NIR-Responsive Therapeutic Platforms for Triple-Negative Breast Cancer**

10:45 – 11:15	**Tea Break**
Session 3 (11:15 – 12:30) ***Chair:*** **Prof. Dr. Jürgen Seibel**	
11.15 – 11.45	**IL8: Prof. Dr. Harald Berchtold**, Frankfurt, Germany **Title: Short acting insulin formulations and their move to the current gold standard in pump insulin applications**
11.45 – 12:15	**IL9: Prof. Dr. Debasis Das,** IISc Bengaluru, India **Title: Metallo-Enzymatic Hydrocarbon Production**
12:15 – 12:30	**IL10: Dr. Poonam Sehgal Suri,** Max-Planck-Gesellschaft (India & South-East Asia) **Title: Building Global Research Careers**
12:30 – 14:30	**Lunch**
Session 4: WILEY Session (14:30 – 16:45) ***Chair:*** **Prof. Dr. T Govindaraju**	
14:30 – 15:00	**IL11: Prof. Dr. Nina Morgner**, Goethe University, Frankfurt, Germany **Title: Light triggered Time-Resolved Ion Mobility Mass Spectrometry allows to investigate changes in conformation and oligomerisation in Cryptochromes**
15:00 – 15:30	**IL12: Dr. Vinay Sharma,** IIT Jammu, India **Title: Engineering Responsive Nano-Bio Interfaces: From Single-Molecule Sensing to Redox Modulation**
15:30 – 16:00	**IL13: Prof. Dr. Clemens Glaubitz**, Goethe University, Frankfurt, Germany **Title: Probing Photoreceptors by Light, Microwaves and NMR**
16:00 – 16:30	**IL14: Prof. Dr. Tasuku Hirayama**, Gifu Pharmaceutical University, Japan **Title: Chemical tools for monitoring labile iron and heme**
16:30 – 16:45	**Dr. Partha Pratim Pal**, WILEY
Session 5: Poster Session (17:00 – 18:30) ***Chair:*** **Prof. Dr. Ramesh Ramapanicker**	
17:00 – 18:30	**Student Poster Session**
19:30 onwards	**Banquet Dinner**

Day 3: Saturday, September 12, 2026

Session 6 (09:00 – 11:30) ***Chair:*** **Prof. Dr. Ines Neundorf**	
09:00 – 09:30	**IL15: Prof. Dr. Olalla Vázquez**, University of Marburg, Marburg, Germany **Title: Bright Molecules for Studying Biology**
09:30 – 10:00	**IL16: Dr. Nilkamal Mahanta**, IIT Dharwad, India **Title: Mechanistic Investigation of MilM, a Remarkable Pyridoxal-5'-Phosphate (PLP)-Dependent Oxidase cum C-hydroxylase in Mildiomycin Biosynthesis**
10:00 – 10:30	**IL17: Prof. Dr. Prosenjit Mondal**, IISER Behrampur, India **Title: 'TRIM'ing insulin resistance: A New Approach for MAFLD Therapies**

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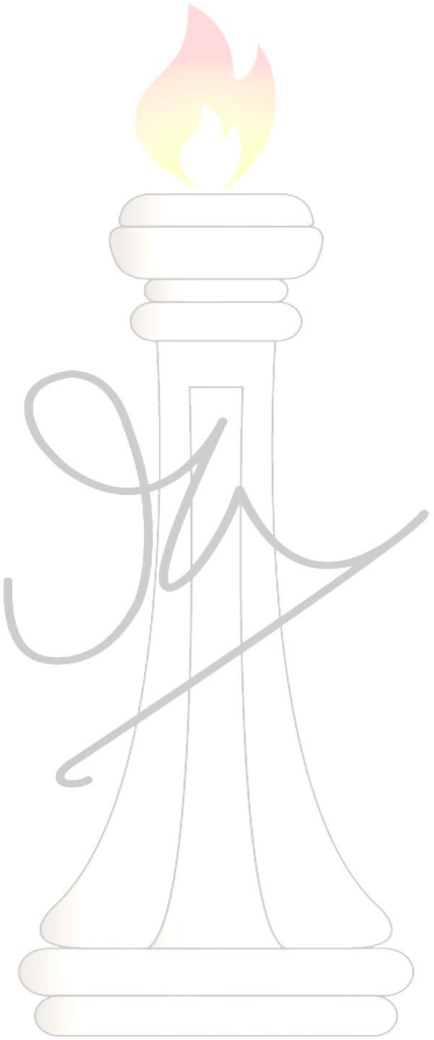
10:30 – 11:00	**IL18: Prof. Dr. Sangram Bagh**, Saha Institute of Nuclear Physics, Kolkata, India **Title: Artificial Neural Network Like Architectures with Genetically Engineered Bacteria for Answering Computational and Mathematical Problems**
11:00 – 11:30	**Tea Break**
Session 7 (11:30 – 13:15) ***Chair:*** **Prof. Dr. T G Gopakumar**	
11:30 – 12:00	**IL19: Dr. Parthasarathi Ramakrishnan**, CSIR-Indian Institute of Toxicology Research, India **Title: Chemical Stimulus to Biological Response: Computational Decoding of Molecular Mechanisms**
12:00 – 12:30	**IL20: Dr. Kshatresh Dutta Dubey**, Shiv Nadar University, Delhi, India **Title: Designed Local Electric Field: A Promising Tool in Bio-Catalysis**
12:30 – 13:00	**IL21: Prof. Dr. Jürgen Seibel**, Julius-Maximilians-Universität Würzburg, Germany **Title: Chemical Probes of Membrane Dynamics: Decoding the Stages of Infection**
13:00 – 13:15	**YIL3: Alka Chahal,** JNCASR, Bengaluru, India **Title: Harnessing dendritic oligonucleotides for rapid DNA-PAINT imaging**
13:15 – 14:00	**Lunch**
EXCURSION (14:00) **City Tour (departure by bus; details will be announced)**	
19:30 onwards	**Dinner**

Day 4: Sunday, September 13, 2026

Session 8 (09:00 – 11:30) ***Chair*****: Prof. Dr. Nina Morgner**	
09:00 – 09:30	**IL22: Prof. Dr. Pandeeshwar Makam,** IIT BHU, India **Title: Engineering Minimalistic Bionanozymes and Molecular Materials for Life-Like Adaptive Functions**
09.30 – 10:00	**IL23: Prof. Dr. Dharmaraja Allimuthu**, Indian Institute of Technology, Kanpur, India **Title: Covalent Small Molecules: Selective Modifiers of Protein Nucleophiles**
10:00 – 10:30	**IL24: Prof. Dr. Sarit S. Agasti**, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bangalore, India **Title: Synthetic Host–Guest Recognition in Living Systems: Emerging Tools for Bioimaging and Molecular Control in Cells**
10:30 – 10:45	**YIL4: Simran Gupta,** IISER Pune, India **Title: Engineered Substrates to Enhance Endogenous Persulfides Promote Antioxidant and Anti-inflammatory Response**
10:45 – 11:15	**Concluding Session & Announcement of 2027 meeting**
11:30 onwards	**Lunch and departure**



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