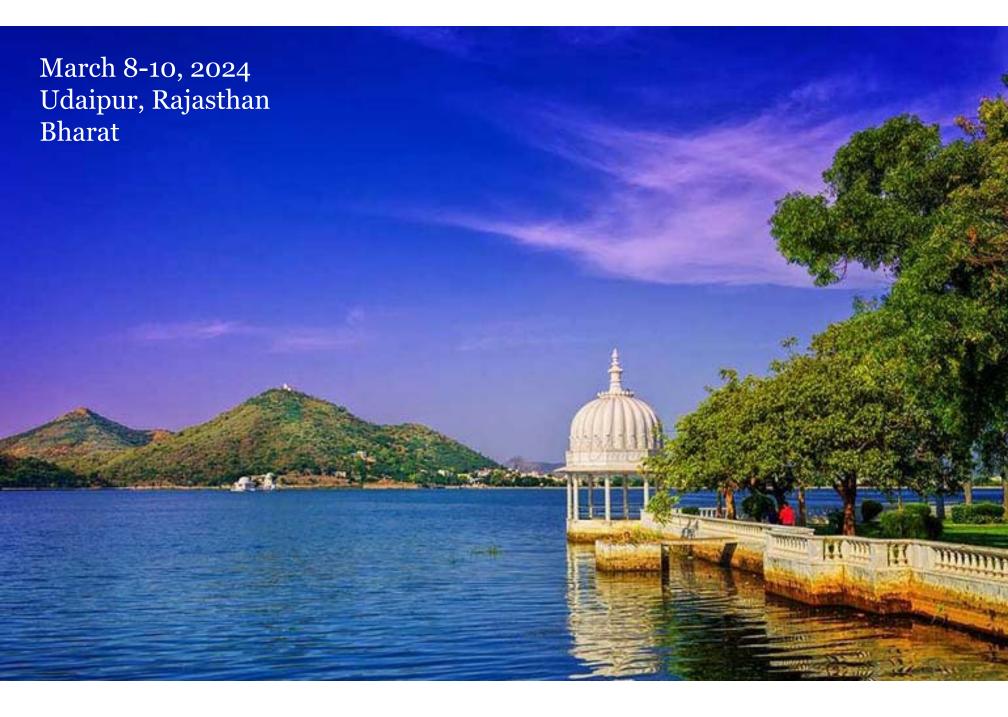
3rd International Conference of Integrative Chemistry, Biology & Translational Medicine

ICBTM 3.0



Organizers Hansraj College, University of Delhi, Delhi, Bharat Pacific University Udaipur, Rajasthan, Bharat HeteroChem InnoTech Private Limited, Bharat

venue: Pacific University, Debari, Udaipur

web: icbtmconference.com

PRE CONFERENCE WORKSHOP

ICBTM 3.0 venue: Pacific University, Udaipur

15:00 - 16:30

Navigating opportunities A Guide to Effective Communication Skills

Pawan K. Dhar, Ph D Professor & Head Synthetic Biology Group School of Biotechnology Jawaharlal Nehru University, New Delhi

16:30 - 18:00

Artificial Intelligence in Biology

Binay Panda, Ph D Professor & Head Computational Genomics Group School of Biotechnology Jawaharlal Nehru University, New Delhi

workshop venue: Computer Lab, Pacific College of Engineering

CONFERENCE SCHEDULE

ICBTM 3.0 Pacific University

Day 1: March 8

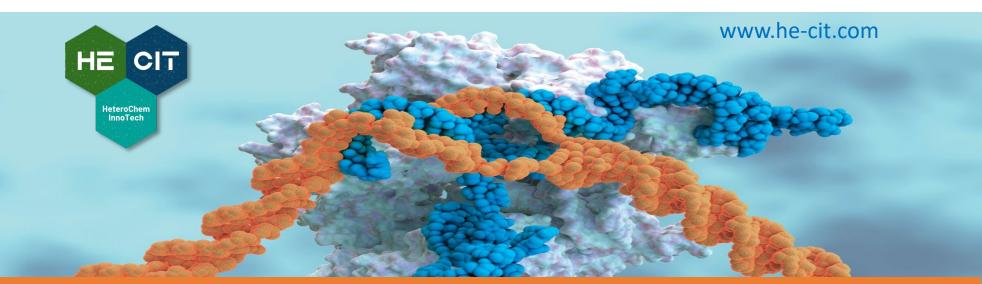
- 07:00 08:20 Registration Tea Coffee
- 08:30 09:35 Inaugural Ceremony
- 09:40 10:20 Inaugural Lecture

Chair

Dr. Sudhir Chandna, Director & Sc 'G', Institute of Nuclear Medicine and Allied Sciences (INMAS), Defence Research and Development Organisation (DRDO), Government of Bharat

Prof. Julien Lescar

Interim Director & Professor, NTU Institute of Structural Biology, Singapore & Principal Investigator, Singapore-MIT Alliance for Research and Technology Centre, Singapore Title: Using the Cellular Thermal Shift Assay Combined with Structural Biology to Identify and Validate Malaria Drug Targets.



HeteroChem InnoTech a new era in drug discovery

CONFERENCE SCHEDULE

ICBTM 3.0

Venue: Pacific University

Day 1: March 8

HALL - A Invited Lecture	HALL - B Invited Lecture	HALL - C Invited Lecture
Theme: Biology of Infectious Diseases & Drug Discovery	Theme: Chemistry of Bioactive Molecules	Theme: Global Health & Challenges
Chair Prof. KK Dave, President, PAHER, Udaipur	Chair Prof. Suresh C Ameta, Professor Emeritus, Pacific University, Udaipur	Chair Prof. Ravi Durvasula , Chair of Infectious Diseases, Mayo Clinic, Florida, USA
Prof. Yogendra Singh10:35 - 11:10Delhi School of Public Health, IoE, University of Delhi, BharatTitle: Role of protein phosphorylation in orchestrating the proteome to run the life	Prof. Akhilesh K Verma10:35 - 11:10Department of Chemistry, University of Delhi, BharatTitle: Real-time monitoring organic reactions: Mechanistic analysis of reaction intermediates/species using online mass spectrometer	Prof. Ravi Durvasula10:35 - 11:15& Dr. Prakasha KempaiahMayo Clinic Florida, USA.Title: Immunobiology of long COVID-19 syndrome
Prof. Pawan K. Dhar11:15 - 11:50Jawaharlal Nehru University, New Delhi, BharatTitle: Dark Genome - a new drug discovery platformDr. Vera Alferova11:55 - 12:25	Prof. K. Rajshekhar11:15 – 11:50University of KwaZulu-Natal, South AfricaTitle: Palladium-catalyzed regio divergent C-H olefination of Imidazo[1,2a] pyridine carboxamide and unactivated Alkenes	Dr. Pulin K. Gupta11:20 - 11:50Dr.RamManoharLohiaHospital(RML), Delhi, BharatTitle: Management of dengue fever and malaria current scenario and counteracting strategies in India
Russian Academy of Sciences, Russia Title: Current trends in natural antibiotic discovery Dr. Soumyananda Chakraborty 12:30 – 13:00	Dr. Bakai-Bereczki Ilona 11:55 – 12:25 University of Debrecen, Hungary Title: Glycopeptide antibiotic derivatives against viruses	Dr. Rohit Chitale 11:55 – 12:25 Mayo Clinic Florida, United States of America. Title: Artificial intelligence will change humanity forever: proactive health solutions for disease prevention
ICMR-National Institute of Malaria Research, Bharat Title: Antimalarial delivery with ferritin-based protein cage: A step towards developing smart therapeutics against malaria	Prof. Ashutosh K. Mishra 12:30 – 13:00 Indian Institute of Technology, Hyderabad Title: Modulating intrinsic behavior of the flavin core for biological applications	Dr. Atulabh Vajpayee 12:30 – 13:00 Neurologist, Pacific Medical College and Hospital, Pacific Medical University, Udaipur Bharat Title: Advances in neurochemistry

13:00 – 14:00 LUNCH & POSTER SESSION

Chair

Prof. Hemant Kothari, Dean, PG Studies, Pacific University, Udaipur

Prof. Mandira Varma Basil14:00 - 14:30Patel Chest Institute, DU, BharatTitle: Unveiling the importance of nontuberculous mycobacteriaas potential human pathogens

Dr. Vinoth Rajendran 14:35 – 15:00 Pondicherry University, Bharat Title: Zinc pyrithione inhibits blood stage parasites of *plasmodium falciparum* in culture

Chair

Prof. P.K. Chaudhary, Dean, Faculty of Pharmacy, Pacific University, Udaipur, Bharat

Prof. Ram Sagar14:00 - 14:25JNU, New Delhi, Bharat14:00 - 14:25Title: Metal-free synthesis of natural product-inspired91/2000glycohydrids as anticancer agents91/2000

Prof. Ronaldo Oliveira 14:30 – 15:00 UFRPE, Recife, Brazil Title: Carbohydrate-based Small Molecules Derivatives: Stay on the Roads Toward Bioactive Compounds

Chair

Prof. Mahendra Rana, Kumaun University Nainital, Uttrakhand, Bharat

Dr. Sinka David 14:00 – 14:30 University of Debrecen, Hungary Title: The importance of collaboration between academia and industry in pharmaceutical R&D

Dr. Prerna Sharma 14:30 – 15:00 Institute of Human Behaviour & Allied Sciences (IHBAS), Delhi, Bharat Title: Youth mental health - Imagining safer and enabling spaces for young people

SIGHTSEEING 15:00 – 19:00



City Palace



Jagdish Temple



Shilpgram

ICBTM 3.0 **CONFERENCE SCHEDULE**

venue: Pacific University

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Day 2: March 9
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09:00 - 09:40

Plenary Lecture

HALL - A

HALL - A

Chair: Prof. Aniko Borbas, Head, Department of Chemistry, University of Debrecen, Debrecen, Hungary

Prof. Peter Preiser

HALL - B

MIT-SMART & NTU, Singapore Title: Role of the Epitranscriptome in Posttranscriptional Regulation of Expression in Malaria Parasites

Invited Lecture

TEA | COFFEE 09.45 - 9.55

Invited Lecture

Theme: Biology of Infectious Diseases & Discovery II Chair	Theme: Chemistry of Bioactive Molecules II Chair
Prof. Yogendra Singh, Director, DSPH, University of Delhi, Bharat	oE, Prof. S.K. Verma, Pacific Medical College and Hospital, Medical University, Udaipur
Dr. Lindomar Pena 10:00 – Principal Investigator, AggeuMag Institute (IAM), Recife, Brazil Title: Antiviral Discovery Against Emerging Viruses	Cingentures Data Latel Cingentation
Prof. Rupesh Chaturvedi 10:40 – Jawaharlal Nehru University, New Delhi, Bharat Title: Single Cell-Drived Spheroids: A T	Quinoxolinones and Benzoxazines via C-H activa
Capture Functional and Genetic Heterogene Dr. Satish Mishra 11:20 –	ity Prof. Ramendra Pratap 11:15 – 11 Department of Chemistry, Univ. of Delhi, Bharat
CSIR-Central Drug Research Institute, Luck Bharat Title: The multifunctional autophagy pathwa potential drug target for malaria	now, heterocycles from aryl methyl ketones of biological importance
Dr Ferenc D. Petroczi 11:55 – 1 University of Debrecen, Hungary Title: Synthesis of fluorine-containing Cannabinoid Derivatives with various biolog	annulation of (Hetero)arenes using cyclic carbona
activities	Dr. Dhruv Kumar 12:20 – 12 UPES, Dehradun, Uttrakhand, Bharat
Dr. Richard Kajtar 12:20 – University of Debrecen, Hungary Title: Pharmacological Research of Newly Synthesized CBD Derivatives	Title: Combinatorial therapeutic approach for he and neck cancer through targeting tur microenvironment

ne: Chemistry of Bioactive Molecules II	Mini Invited Talks	
air	Chair	
S.K. Verma, Pacific Medical College and Hospital, Pacific al University, Udaipur	Prof. M.M. Mangal, Principal, Pacific Medical College & Hospital, Pacific Medical University, Udaipur	
Siew Pheng Lim 10:00 – 10:35 me Pte. Ltd., Singapore PALs: high-speed precision bio-conjugation	Dr. Vijay K Goel10:00 - 10:2Jawaharlal Nehru University, New Delhi, BharatTitle: Leveraging Bioinformatics Tools for the Discovery ofNovel Anti-Malarials.Dr. Kapil Vashisht10:20 - 10:4HeteroChem InnoTech, Pvt. Ltd. Delhi BharatTitle: Rapid Diagnostic Tests (RDTs) for malaria: why we need	
. B.K. Singh 10:40 – 11:10 rtment of Chemistry, Univ. of Delhi, Bharat Regioselective Chalcogenation of oxolinones and Benzoxazines <i>via</i> C-H activation	new targets now? Dr. Pawan Kumar Rajdhani College, University of Delhi, Bharat Title: Secondary Phosphine Chalcogenides Decorated Gold Nanoparticles as Potential Antiparasitic Agents.	
Ramendra Pratap 11:15 – 11:45 rtment of Chemistry, Univ. of Delhi, Bharat Synthesis of various functionalized Aza ocycles from aryl methyl ketones of biological rtance	Dr. Manisha Vajpayee11:00 - 11:20Pacific IVF centre, Pacific Medical College and Hospital, PaMedical University, Udaipur BharatTitle: Gut microbiota influencing fertilityDr. Deepender Kaushik11:20 - 11:40University of Nebraska Medical Center, USATitle: Toll-like receptors - 7/8 agonists as potential vac	
Ideeraj K. Mishra now University, Bharat Catalyst-controlled C–H allylation and lation of (Hetero)arenes using cyclic carbonates	adjuvants Dr. Sunil Kumar JC Bose, University of Science & Technology, YMCA, Farida Bharat Title: Synthesis of 2-Aminothiazole Functionalized Imidazo[a]pyridines via Transition-Metal Free Approach as Novel Antibactorial Agents	
Dhruv Kumar 12:20 – 12:35 S, Dehradun, Uttrakhand, Bharat Combinatorial therapeutic approach for head neck cancer through targeting tumor environment	Antibacterial AgentsDr. Anamika Gulati12:00 - 12:2Jawaharlal Nehru University, New Delhi, BharatTitle: Evaluating the impact of AI and ML on MDD treatrstrategiesDr. Ágnes HomolyaUniversity of Debrecen, HungaryTitle: Synthesis of Novel Antidiabetic SGLT2-Inhibitors	



HALL - C

LUNCH & POSTER SESSION - 14:00 12:35

Pacific University Udaipur, Rajasthan



Pacific Medical University Udaipur, Rajasthan



CONFERENCE SCHEDULE

venue: Pacific University

HALL - A Invited Lecture	HALL - B Invited Lecture	HALL - C	
Theme: Biology of Infectious Diseases & Drug Discovery II	Theme: Chemistry of Bioactive Molecules II	Mini Invited Talks	
Chair	Chair	Chair	
Prof. DS Rawat, Vice Chancellor, Kumaun Univ., Bharat	Prof. Dilendra Hiran , Chairman, S&T, Pacific University, Udaipur, Bharat	Prof. Karpoormath Rajshekhar, Academic Leader, University of KwaZulu-Natal, South Africa	
Dr. KC Pandey 14:00 – 14:30 ICMR-National Institute of Malaria Research, Bharat Title: Recent update on antimalarials; Parasite proteases are potential target.	Dr. Alexey Ustinov 14:00 – 14:30 Russian Academy of Sciences, Russia Title: Current Trends in Photosensitizing Antiviral Drugs	Dr. Bhupesh Goyal14:00 – 14:20Thapar Institute of Engineering and Technology, Patiala, BharatTitle: Illuminating the destabilization mechanism of small-molecule inhibitors against α–Syn oligomers in	
Dr. Agam P Singh 14:30 – 15:00 National Institute of Immunology, New Delhi, Bharat Title: HEA (hydroxyethylamine) based potent and safe anti-malarials.	Dr. Alexandra Gyongyosi 14:30 – 15:00 University of Debrecen, Hungary Title: BGP-15 protects against doxorubicin-induced cell toxicity via enhanced mitochondrial function.	Parkinson's disease using molecular dynamics simulations Dr. Monika Sharma 14:20 – 14:40 MH, University of Delhi, Bharat Title: PE/PPE family proteins of Mycobacterium tuberculosis modulate host cellular pathways as	
Dr. Anant N. Bhatt $15:00 - 15:30$ Scientist 'F', INMAS-DRDO, Delhi, BharatTitle: Upregulation of energy metabolism and pro-inflammatory signaling confers radio-protection in in-vitro and in-vivo small animal models.Prof. Ajeet Jaiswal $15:30 - 16:00$ DHSGSU, BharatDHSGSU, BharatTitle: Indigenous Knowledge of Healing Among the Tribes.	Prof. Sadhna Sharma15:00 – 15:30MH, University of Delhi, BharatTitle: Diagnostic and Vaccine potential of early and late protein antigens of Mycobacterium tuberculosis.Prof. I. K. Singh15:30 – 16:00DBC, University of Delhi, Bharat Title: ZINC1250228067: A Promising Therapeutic for Permanent Vision Loss.	molecular mimics of host proteins.Dr. Shikha Agarwal14:40 - 15:00MLSU, Udaipur, BharatTitle: Exploring the Unique Usage of g-C3N4.SO3HIonic Liquid as an Efficient Catalyst for One-PotSynthesis of Biologically Active 1,1-Dihomoarylmethane Scaffolds.Dr. Mansi Verma15:00 - 15:20Hansraj College, University of Delhi, BharatTitle: Exploring Dengue Virus: multi-omics approachusing in silico studies.	

16:05 – 16:50 PANEL DISCUSSION

HALL - A

"Next Wave of Drug Discovery: Opportunities & Challenges"

Moderator: Prof. Rupesh Chaturvedi, Jawaharlal Nehru University, New Delhi, Bharat Panelists: Prof. Peter Preiser, MIT-SMART & NTU, Singapore Dr. Siew Pheng Lim, Chief Scientific Officer, Singzyme, Singapore Prof. Ravi Durvasula, Chair of Infectious Diseases, Mayo Clinic, Florida, USA

16.50 - 17.10 TEA | COFFEE

17:10 – 17:50 Keynote Lecture

Chair: Dr. Rohit Chitale, Mayo Clinic Florida, USA

Prof. Diwan S Rawat

HALL - A

Senior Professor of Chemistry, University of Delhi; Vice Chancellor, Kumaun University Nainital, Uttrakhand, Bharat Title: Navigating the Expected and Unexpected Twists and Turns of Lead Optimization: The Discovery of Clinical Candidate for the Treatment of Parkinson's Disease.

17:50 – **1**8:00 Tips and Tricks for Academic Networking

venue: Pacific University

18.00 – 19.00 Rajasthani Cultural Event



Day 2: March 9

19.00 – 20.30 **Dinner**



13:30 – **14:30** LUNCH

14:35 - 15:30

Certificate Distribution, Awards, Valedictory, Vote of Thanks and Group Photo



Hansraj College University of Delhi