

International Conference on Structural Biology and Drug Discovery (ICSBDD-2023) , 11-12 October 2023

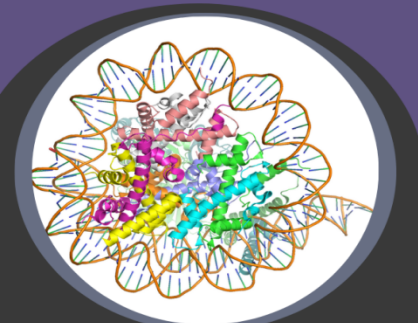
Organized by The University School of Biotechnology, Gautam Buddha University



International Conference on STRUCTURAL BIOLOGY & DRUG DISCOVERY

(ICSBDD-2023) 11-12 October , 2023

ORGANIZED BY:
University School of Biotechnology
Gautam Buddha University
Government of Uttar Pradesh
Greater Noida 201312 (U.P.)
INDIA

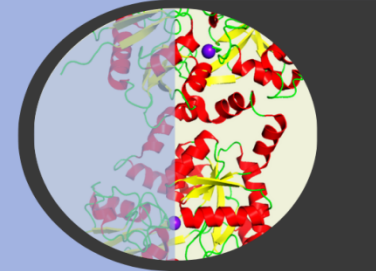


International Conference
on Structural Biology and Drug Discovery
(ICSBDD-2023)

About the Conference

The 1st "International Conference on Structural Biology and Drug Design" (ICSBDD-2023) will take place in Greater Noida, India, on October 11-12, 2023. The conference gives scientists, research scholars, students, delegates, and exhibitors the chance to develop their expertise and raise the standard of their study. We invite you to join us at the ICSBDD-2023, where you can be sure to engage meaningfully with both local and international professionals and colleagues. It will assist you in putting into practice tried-and-true methods for conducting your research more successfully, profitably, and effectively. Everyone in the ICSBDD-2023 sorting out council is looking forward to meeting you in GBU, India.

T H E M E S



The ICSBDD-2023 strives to be the most professional and promising international conference focusing on Structural Biology and Drug Discovery by bringing all renowned and conscious researchers under one roof. The Conference themes include:

- Protein structure determination using X-ray Crystallography/ NMR Spectroscopy/ Cryo-EM
- Genomics/Genome Editing and Drug Design
- Pharmacogenomics and Precision Medicine
- Computational Biology and Bioinformatics
- Global Health Challenges and Drug Discovery
- Antimicrobial Resistance and Drug Discovery
- Methodologies and Tools of Drug Design
- Artificial Intelligence and Drug Discovery
- Phytomedicines and Drug Discovery
- Molecular Structural Dynamics
- Drug Design and Development
- Ayurveda and Drug Discovery
- Structural Systems Biology
- Drug Design and Hypoxia
- Structural Genomics

E M I N E N T S P E A K E R S

	Prof. T.P. Singh, AIIMS, New Delhi
	Prof. Faizan Ahmad, Jamia Hamdard, New Delhi
	Prof. B. Copal, IISc Bangalore
	Prof. D. Velmurugan, SRMIST, Kattankulathur
	Prof. M. Haridas, Kannur University, Kerala
	Prof. B. Jayram, IIT Delhi
	Prof. Deepak T Nair, RCB Fridabad
	Prof. Punit Kaur, AIIMS, New Delhi
	Prof. Verma, Chandra S., BIL, Singapore
	Prof. Sujata Sharma, AIIMS, New Delhi
	Prof. B. Padmanabhan, NIMHANS, Bangalore
	Prof. Pravindra Kumar, IIT Roorkee
	Prof. Shailly Tormar, IIT Roorkee
	Prof. Prof. J Sivaraman, NUS, Singapore
	Prof. Atanu Bhattacharjee, NEHU, Shillong
	Prof. K. Vengadesan, RCB, Fridabad
	Dr. Timir Tripathi, ICNDU, Kohima
	Dr. Sanjit Kumar, CCOD, Bilaspur
	Dr. Yasmin Ahmad, DIPAS, Delhi

WHY TO ATTEND?

The goal of the ICSBDD-2023 is to establish an international forum where participants can exchange knowledge and practices in their respective professions. It will offer a variety of tracks and sub-tracks within the Structural Biology and Drug Design sectors, allowing participants to select the tracks that are most interesting to them. Participation of well-qualified researchers, scientists, physicians, professors, and organizations affiliated to and active in the area in the ICSBDD-2023 will certainly have an opportunity to discuss the subject professionally. Young researchers will have a fantastic opportunity to learn about and explore the specialized areas of Structural Biology and Drug Design.

CONFERENCE AWARDS

The Organizing Committee will confer the following awards to young investigators and students during ICSBDD-2023.

1. Oral Presentation Awards (03)
2. Poster Presentation Awards (03)
3. Best Participant Award (01)

CALL FOR ABSTRACTS

Abstracts under the above thematic areas are invited for invited/voluntary (oral and poster) presentations in the ICSBDD-2023. Abstract typed in MS Word (font size 12, Times New Roman, single line spacing) not exceeding 300 words, should be emailed to: icsbdd2023@gbu.ac.in along with duly filled registration form or may be filled online. The title should be bold and in sentence case. The author (s) name should be bold and affiliation in italics font. The email of the corresponding author needs to be given. Presentation categories include Plenary/Invited and Poster. Eminent scientists are invited to deliver special lectures on the topic related to the thematic areas.

PRE-CONFERENCE WORKSHOP

A pre-Conference Hands-On Workshop on Computer-aided drug design (CADD) will be organized on October 10, 2023, for budding professionals. CADD applies mathematical techniques and tools in conjunction with pharmaceutical research to assist in the discovery and development of new drugs. The use of CADD plays an integral role in the drug development process by speeding up the identification of potential drug candidates and optimizing their properties before expensive and time-consuming laboratory experiments are carried out. The concept of molecular docking in CADD involves predicting and analyzing the interactions between a small molecule (ligand) and a target macromolecule, typically a protein. The method plays a critical role in the identification of potential drug candidates and the understanding of their binding modes. Participants will receive practical onsite training sessions with guidance, covering the basics of molecular modeling over one day. This workshop focuses on the use of the Maestro GUI to sketch organic molecules, select proteins, and manage data. It will also cover the design of drugs using structure-based concepts. Molecular docking and preparation will be used to identify hit molecules against therapeutic targets. During the workshop, industrial case studies will be used to provide an overview of the background experiments. The workshop will be guided by experts from Schrödinger.

IMPORTANT DATES

Conference Dates	11-12 October 2023
Registration and Abstract Submission Starts	1st July 2023
Submission of Abstracts	25th August 2023
Submission of Registration Fee	25th August 2023
Confirmation of participation	10th September 2023
Confirmation of participation in Workshop	10th September 2023

REGISTRATION FEE (Non-Refundable)

Registration fees include expenses for a registration kit, lunch, and tea for the conference duration. Registration can be done by filling out a form at <https://tinyurl.com/ICSBDD-2023> OR by scanning the given QR code.

Category	Amount	After 25th Aug 2023
Students	1000 INR	1500 INR
Research Scholars	2000 INR	2500 INR
Scientists/Faculty Members	5000 INR	5500 INR
Corporate Members	7000 INR	7500 INR
Foreign Delegates	150 USD	200 USD
Accompanying person	2000 INR	2500 INR
Pre-Conference Hands-On Workshop on Computer-Aided Drug Design by Schrödinger on 10th October 2023	1000 INR	1500 INR

Seats limited for 50 participants only. Workstations will be provided by GBU. Participants will be selected as per their experience in Computational Biology. Selected participants will be informed by 10th September 2023 by email.

ACCOMODATION

Accommodation will be arranged for participants on payment basis. Delegates may also book their accommodation as per need at their own. Delegates are requested to mark their travel plan and accommodation needs during registration process, to enable us to make convenient local arrangements. The GBU Guest House which is 400m away from the conference venue, will be offered to participants. The tariffs for GBU Guest House are INR 1500 and INR 1000 per person per day for single and double occupancy, respectively. The charges are inclusive of breakfast and dinner.

CONTACT US
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Secretary General
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Contact: 91-120-2344277, 4266, 9899914727

About the GBU



Established under the Uttar Pradesh Gautam Buddha University Act, 2002 (U.P. Act No. (B) of 2002), the Gautam Buddha University (GBU) came into existence in the year 2008 as a Residential University at its place state-of-the-art lush green eco-friendly campus at Greater Noida, Gautam Budh Nagar. The University is recognized by the UGC under Section 2 (f) and 12 (B) of the UGC Act, 1956, and accredited by the NAAC. The University is an ISO-certified institution of higher education (ISO 9001:2008).

The University envisions integrating Indian Ethos, Rich Heritage, and Ancient Wisdom with education and research to invoice high standards of quality and innovativeness to be at par with international benchmarks. The Mission of the University is to generate a community of scholars who can manage continuity and change; to seek and incorporate the best practices in teaching and learning from around the world; to inculcate in the learner's due appreciation for ethical, ecological, and economic issues of knowledge; to provide knowledge-based scientific solutions to satisfy the needs of the society and industry; and to ensure an academic environment that guarantees avenues for all historically-excluded sections of the society. The University offers Undergraduate, Postgraduate, and Doctoral research programs in Vocational Studies and Applied Sciences, Biotechnology, Engineering, Information and Communication Technology, Humanities and Social Sciences, Management, Buddhist Studies and Civilization, and Law, Justice and Governance.

THE UNIVERSITY SCHOOL OF BIOTECHNOLOGY (USOBT)

The goal of the USOBT is to provide learners with a sound knowledge and understanding of current theories, concepts, and laboratory practices in biotechnology, such as molecular biology, biochemistry, microbiology, immunology, and genetics and cell biology, which are in turn linked to practical disciplines like chemical engineering, physics, and information technology.

A breathtaking diversity of unicellular and multicellular life forms offer fascinating research opportunity in Biotechnology. The USOBT is involved in research areas, such as Disease Diagnostics, Cancer Biology, Genomics and Genome Engineering, Crop Improvement, Tissue Culture, Structure-based drug design, Design of novel antibiotics, Three-dimensional structure determination of enzymes and proteins, and production of enzymes for diagnostics and industrial applications. The School has been granted a prestigious DST-FIST grant for infrastructure improvement from the Ministry of S&T, Government of India. The faculty of USOBT has also obtained an extramural research grant from various government agencies, such as ICMR, DBT, BIRAC, DST, UGC, and CSIR. The USOBT is well-equipped with all the necessary instruments and research facilities.

NATIONAL ADVISORY COMMITTEE Prof. R.S. Gokhle, Secretary, DBT, Ministry of Science & Technology Prof. T.P. Singh, SERB Distinguished Fellow, AIIMS, New Delhi Prof. A.K. Singh, Director, INMAS, Delhi Dr. Shekhar C. Mande, National President, Vigyan Bharti and Former DG, CSIR, Delhi Dr. J.P. Tandan, Former ADG (ICAR), and Director ICAR-ISWB, Karnal Dr. A.K. Singh, Director, ICAR-IARI, New Delhi Dr. A. Arunachalam, Director, ICAR-CAFR, Jhanshi Dr. Ashok Kumar Mohanty, Joint Director, ICAR-IVRI, Mukteswar Prof. Prasanna Kumar, Pro VC, NIU, Greater Noida Prof. B. Jayram, Professor, IIT, Delhi Prof. S. E. Hasnain, Distinguished Professor, IIT Delhi Prof. D. Velmurugan, Professor-Research, SRMIST, Kattankulathur Prof. D.M. Salunke, AFES, ICCEB, New Delhi Prof. C.P.S. Raghava, Professor, IIT, Delhi Dr. Nabendu Sekhar Chatterjee, Scientist G, ICMR, New Delhi Dr. Sarika Chaudhary, Bennett University, Greater Noida Dr. Nagma Abbasi, Founder, and CEO, NextGen Life Sciences Pvt Ltd, Delhi	CONFERENCE ORGANIZERS CHIEF PATRON Prof. Dr. Ravindra Kumar Sinha Vice Chancellor, GBU PATRONS Prof. N.P. Malikania, Dean Academics, GBU Dr. Vishwas Tripathi, Registrar, GBU CONVENERS Dr. Inteyaz Qamar, GBU Dr. Nagendra Singh, GBU Dr. Rekha Puri, GBU Dr. Shakti Sahi, GBU Dr. Vikrant Nain, GBU CO-CONVENERS Dr. Deepali Singh, GBU Dr. J.S. Rathore, GBU Dr. Mohd. Tashfeen Ashraf, GBU MEMBERS Dr. Anubha Singh, GBU Dr. Barkha Singhal, GBU Dr. Bhaswati Banerjee, GBU Dr. Eti Sharma, GBU Dr. Gunjan Garg, GBU Dr. Jai P. Moyal, GBU Dr. Jyoti Upadhyay, GBU Dr. Navin Kumar, GBU Dr. Nisha Gaur, GBU NEXTGEN PROFESSIONALS COMMITTEE Prof. Vivek Rana, PVV Vidyapeeth, Kota Dr. Ashwani Rai, Princeton University, USA Dr. Hritika Sharma, LifeArc, London, UK Mr. Shivansh Tyagi, Biocon Research Center, Bangalore Ms. Divya Jhingharia, Doctoral Student Ms. Shubhi Rana, MSc (Molecular Medicine) Student Ms. Dipali, MSc (Biotechnology) Student Ms. Salyada Iqra Kamil, Int. B.Tech + M.Tech. (Biotechnology) Student Ms. Devanshika Jha, Int. B.Tech + M.Tech. (Biotechnology) Student Ms. Ananya Pal, Int. B.Tech + M.Tech. (Biotechnology) Student Mr. Shashank Singh, Int. B.Tech + M.Tech. (Biotechnology) Student Ms. Hiteshi Pant, BSc (Biotechnology) Student Mr. Himanshu, Int. B.Tech + M.Tech. (Biotechnology) Student Mr. Priyanshu Chaudhary, Int. B.Tech + M.Tech. (Biotechnology) Student
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