



Recent Advances in Bioinformatics

Advanced Computation and Data Sciences Division (ACDSD) & Bioinformatics
Infrastructure Facility Centre - Biological Sciences and Technology Division (BSTD)
CSIR- North East Institute of Science & Technology
Jorhat-785006, Assam, India



May 23rd – May 26th @ CSIR – NEIST, Assam, India
Conference: Iyengar Hall; Workshop Venue: Bhatnagar building

Scope and Topics

Recent advancement in Bioinformatics and Data Science is a fast growing field in healthcare and Drug discovery. This conference aims to provide an incredible forum to excel and explore innovation on Bioinformatics and data science through knowledge generation, scientific presentation, discussion and hands-on-session. The primary focus will be on the use of state-of-the-art Bioinformatics and Computer Aided Drug Design tools and softwares. We hope at the end of the training the participants would gain the ability of handling the existing bioinformatics packages and their interpretation.

About Us

Data sciences has emerged as a critical technology for all basic and translational research endeavors. The abundance of natural wealth, bio-diversity, geo-diversity and biomolecules can be put to great use for the development of the North East region in particular and the nation in general by adopting contemporary scientific and technological advances. The division's goal is to conduct fundamental and applied research in Computational Modeling, Software Development and Data Science Spanning. CSIR-NEIST undertakes the path of documentation, digitization, deposition of data and analyzes this data through Machine Learning and Artificial Intelligence applications, with outcomes leading to societal benefit.

Workshop:

We will provide hands – on session on different molecular modeling techniques such as molecular docking, Sequence alignment, Descriptors calculations, QSAR, ADME/T and MPDS (Molecular property diagnostic suite) modules.

Participants

PG students/Researchers are welcome. 20 Nos. of participants will be selected. Participants should carry laptop, if possible.

Registration Fees: Rs. 1000/- (No accommodation)
Rs. 3000/- (Accommodation and food are included)

Invited Lectures

Dr. T. P Singh, AIIMS, New Delhi
Dr. G.P.S. Raghava, IIT – Delhi, New Delhi
Dr. K. Venkatesh, IIT – Bombay, Mumbai
Dr. Mohammed Aslam, Advisor, DBT, India
Dr. Shandar Ahmad, JNU, New Delhi
Dr. V. Subramanian, CSIR-CLRI, Chennai
Dr. R. Sankararamakrishnan, IIT-Kanpur, Kanpur
Dr. G. Madhavi Sastry, Schrodinger, LLC
Dr. Shantanu Sengupta, IGIB, New Delhi
Dr. R. Parthasarathi, CSIR-IITR, Lucknow
Dr. Shailza Singh, NCCS, Pune
Dr. Vinod Scaria, CSIR-IGIB, New Delhi
Dr. Sucheta Tripathi, CSIR – IICB, Kolkata
Dr. B. K. Sharma, DBT Centre, AAU, Jorhat
Dr. Anupam Nath Jha, Tezpur University, Tezpur
Dr. M.K. Modi, DBT Centre, AAU, Jorhat
Dr. Hemant Kumar Srivastava, IIT – Guwahati
Mr. R. Raghu, Schrodinger, LLC
Dr. UC Jaleel, Open Source Pharma Foundation, Bangalore



Important Date
Last date for the receipt of application form: 23rd May, 2019.

Chief Patron

Dr. G. Narahari Sastry, Director,
CSIR-NEIST

Conveners

Dr. Y. Silla Devi, CSIR-NEIST
Dr. Ratul Saikia, CSIR-NEIST
Dr. S. Nagamani, CSIR-NEIST

Organizing committee

Dr. H. P. Deka Baruah, CSIR-NEIST
Dr. M. J. Bordoloi, CSIR-NEIST
Dr. Jatin Kalita, CSIR-NEIST
Mr. Khirod Buragohain, CSIR-NEIST
Mr. Debabrata Das, CSIR-NEIST
Dr. Supriya Saha, CSIR-NEIST
Mr. Partha Paul, CSIR-NEIST
ACDSD Team Members

Address for communication:

For registration, interested applicants may apply through email along with CV to Dr. Y. Silla Devi: bio.sillayumnam@gmail.com; ysilla@neist.res.in; 9599149208 (Mobile) and Dr. S. Nagamani nagamaniselvaraman@gmail.com; 7010813454 (Mobile)