8th DBT-BIF National Workshop
on
Translational Bioinformatics: Bench-to-Bedside (NWTB: B2B-2018)
April 9-10, 2018

Speakers

These are the confirmed invited speakers for NWTB 2018:

Vice Chancellor,
Jamia Hamdard, New Delhi
http://seyedehasnain.org/

Chief guest Prof. Seyed Ehtesham Hasnain is Distinguished Professor of Biological Sciences at the Indian Institute of Technology Delhi, an academic, science policy advisor and institution builder based in Delhi, India. Prof. Hasnain spent several years at the Texas A&M University, USA and returned to India in 1987 to work as a Staff Scientist at the National Institute of Immunology. Prof. Hasnain was appointed as the first director of Centre for DNA Fingerprinting and Diagnostics (CDFD) in February 1999. He served as the 7th Vice-Chancellor of University of Hyderabad from 2005-2011. He took charge as Vice-Chancellor of Jamia Hamdard, New Delhi on 2nd September 2016. Hasnain is the Chairman of the Biotechnology Advisory Committee (Government of Andhra Pradesh) and Adviser to the Chief Minister of Andhra Pradesh on Biotech related issues. He is also the Member of Biotechnology Advisory Committees of Government of Jharkhand, Government of Gujarat and Government of Kerala. Prof. Hasnain also received the Padma Shri (Civilian Award) from His Excellency, the President of India for his work. His research interests include: Bioinformatics Application on Protein Modelling/ Engineering, Genomics and Informatics Solutions for integrating Biology (GENESIS), Integrative approach for designing biomolecules for cancer therapy, Application of bioinformatics in System Biology

Dr T. Madhan Mohan, Adviser,
Department of Biotechnology,
Ministry of Science and
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Guest of Honor Dr. T. Madhan Mohan is an Adviser in the Department of Biotechnology and head of national wide Bioinformatics network. Dr.Madhan Mohan is the architecture of BTISnet which is spread across the Nation. He has been recognized with ISCA's (Indian Science Congress Association) prestigious award S.K. Mitra Birth Centenary Award (2011), for his key role played in the development of Science and Technology –Specifically in the areas of Biotechnology and Bioinformatics. He is not only an institution builder in this area but also shaped the way this area of Science & Technology should develop in the future. The award with a Gold Medal has been conferred to Dr. Madhan Mohan by the Hon'ble Prime Minister of India Dr. Manmohan Singh in the year 2011. He is also the mentor for the North Eastern Region Biotechnology Programmes aimed at biotech based developments in the North Eastern Region of India. He has been instrumental in developing several long term programs for capacity building and development of innovative technologies, strengthening R&D capabilities of the scientists and the research institutions in NER

through fostering national and international linkages. Dr. Madhan Mohan had his academic qualifications from the prestigious institutions. His M. Tech. Degree in Biotechnology was awarded by the Anna University, Chennai and Ph.D. in Biomedical Engineering by Indian Institute of Technology (IIT) Delhi. He published many research articles appeared in journals and newsprints provided clarity to the end users about the importance of Bioinformatics and its role in capturing major world market in Biotechnology. He had visited several countries in connection with Bioinformatics and Biotechnology. His current interest is to integrate Bioinformatics with Experimental Biology towards promotion of Biotechnology growth as well as introducing innovations in biology teaching through bioinformatics.

Prof. Niladri Chatterjee
Dept. of Mathematics
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Hauz Khas
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INDIA

Prof. Niladri Chatterjee is presently serving as Professor inDepartment of Mathematics, Indian Institute of Technology (IIT), Delhi, India. He received his M. Statistics and M.Tech. degrees both from Indian Statistical Institute, Kolkata, India in 1984 and 1986 respectively. He received his Ph.D. degree in Computer Science from London University in 1995. During 1996-98 he worked as a Postdoctoral Research Fellow in the Department of Computer Science, University College, London. Since 1999 he has been working as a faculty in the Department of Mathematics, Indian Institute of Technology Delhi, India. His research interests are natural language processing, statistical modelling, and semantic web.

Prof. B. Jayaram, Department of Chemistry & School of Biological Sciences, IIT Delhi
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Professor, Coordinator, Supercomputing Facility for Bioinformatics and Computational Biology (SCFBio), IIT Delhi, Ph.D. from City University of New York (Mentor: Prof. D. L. Beveridge), 1982-1986. Post Doctoral Fellow at Columbia University (PI: Prof. Barry Honig), 1987-88. Senior Research Associate at Wesleyan University (PI: Prof. D. L. Beveridge) 1989-90. Faculty at Indian Institute of Technology Delhi, 1990-present. His research interests include Biomolecular modeling and simulation, Physico-chemical understanding of genomic DNA organization (Chemgenome), protein tertiary structure prediction via chemistry and informatics based methods (Bhageerath) and protein/DNA targeted computer aided drug discovery (Sanjeevini).

Prof. Shandar Ahmad
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Prof. Shandar Ahmad is presently serving as a Professor in School of Computational and Integrative Sciences (SCIS), Jawaharlal Nehru University, New Delhi. He joined JNU in March 2016. Some of his prior assignments include: Research Scientist, National Institute of Biomedical Innovation, Osaka, Japan (Jan 2007-Mar 2016) and Lecturer/Reader/Professor, Jamia Millia Islamia, New Delhi (Aug 1994-Jan 2007). His research interests include: Big data, Machine learning and pattern recognition techniques; DNA conformational dynamics and chromatin conformation; Protein-DNA interactions from sequence, structure, microarray and next generation, sequencing (NGS) data; Meta-analysis of transcriptome data, biological pathways, gene prioritization and biomarker discovery. He has published more than 100 research papers in high impact journals including Nature, Nucleic Acids Research, Bioinformatics, Scientific Reports, PLosOne, Proteins, BMC Bioinformatics etc. with average impact factor greater than 4. He has developed more than a dozen well known prediction servers (PPIPP, CCRXP, ReadOut, SDCPred) based on machine learning and statistical algorithms which are widely used by researchers.

Prof. Punit Kaur,
Professor & Head Department of Biophysics, AIIMS,
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Prof. Punit Kaur is Head of department of Biophysics in AIIMS. Her research interests include: Protein Structure Determination; Bioinformatics; Drug Design. During her career she received the following awards/honours: Life Member of Indian Biophysical Society, Life Member of Indian Crystallographic Association, Awarded S V Talekar Medal for the best postgraduate of Department of Biophysics (AIIMS) for year 1991, Awarded Department of Atomic Energy Fellowship, 1986, Awarded Research Associateship by Council of Scientific and Industrial Research, 1991. She has published more than 100 research papers in high impact journals.

Prof. Dinesh Gupta, Group Leader,
International Centre for Genetic Engineering and Biotechnology
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Prof. Dinesh Gupta is Group Leader and Staff Research Scientist, Structural and Computational Biology Group, ICGEB. The scientific interests of his Group include the use of computational biology tools to solve research problems in the post genomic era. The Group has recently developed ProtRepeatsDB, a database of different types of protein repeats in genomes. The Group is also interested in using artificial intelligence based methods to solve bioinformatics problems such as prediction of cyclin sequences and virulence proteins.
His research interests include: Translational bioinformatics, structural biology, structural immunology, systems biology, molecular modeling, in-silico screening and non-coding RNAs, MD simulations.

Prof. T. P. Singh, INSA Senior Scientist, AIIMS, New Delhi

Prof. Tej P. Singh is an Indian biophysicist known for his work in the fields of Rational Structure-based drug design, Protein Structure biology and X-ray crystallography. He has played an active role in the development of drug design in the fields of Antibacterial therapeutics, Tuberculosis, Inflammation, Cancer and Gastropathy. He is a fellow of six academies, namely, the Third World Academy of Sciences, Indian National Science Academy, National Academy of Sciences Indian Academy of Sciences, Alexander von Humboldt Foundation and Biotech Research Society of India. His research interests include: Structural Biology; Biological Crystallography, Protein Structure Determination and Peptide Design ; Rational Structure Based Drug Design