Our Invited Speakers

Prof . Seyed Ehtesham Hasnain
Jamia Hamdard, New Delhi

Dr T. Madhan Mohan Adviser
DBT, Govt Of India

Dr. Ethayathulla Abdul S.
(AIIMS, New Delhi)

Prof. T.P. Singh (AIIMS)

Prof. Punit Kaur (AIIMS)

Prof. Shandar Ahmad (JNU)

Prof. Dinesh Gupta (ICGEB)

Prof. B. Jayaram (IITD)

Prof. Niladari Chatterjee(IITD)

Online Registration
www.jmi.ac.in/events/NWTB/
Registration Form

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Organizing Committee

Chief Patron:
Prof. Talat Ahmad, Vice-Chancellor, JMI

Patron:
Prof M. Sami, Director of Centre for Theoretical Physics, JMI

Chairman:
Dr. S.A.M. Rizvi, Professor & Head, Chair

Convener:
Dr. Suraiya Jabin, Associate Professor

Members:
• Prof. K. Mustafa
• Prof. S.M.K. Quadri
• Prof. Monica Mehrotra
• Dr. Mohammad Nazir
• Dr. Rafat Parveen
• Dr. Rajendra Kumar
• Dr. Syed Zeeshan Hussain
• Dr. Mansaf Alam
• Dr. Jahiruddin
• Dr. Taran S. Bharti

Address for Communication:
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8th DBT-BIF National Workshop

on
**Translational Bioinformatics:
Bench-to-Bedside (NWTB: B2B-2018)
(April 9-10, 2018)**

Oraganized by
Bioinformatics Infrastructure Facility Center
Department of Computer Science
Jamia Millia Islamia
Under the aegis of

DEPARTMENT OF BIOTECHNOLOGY
Ministry of Science & Technology

About BIF Center

Bioinformatics Infrastructure Facility Center, Department of Computer Science, Jamia Millia Islamia, New Delhi
Bioinformatics Infrastructure Facility (BIF) was established in Jamia Millia Islamia, New Delhi on September 22, 2006, under BITSnet scheme funded by the Department of Biotechnology, Government of India. Since its inception, the centre as an additional offshoot of the Department has made significant progress through the support of DBT and the available infrastructure including human resources. The objective of the centre is the promotion of Biology 'Teaching and Research' through Bioinformatics scheme of BITSnet, and undertaking exhaustive steps for understanding the deeper structures through computational modeling.

The center has been instrumental to bridge the Biologist-Computational interface gap and undertake exhaustive steps for understanding the deeper structures through computational modeling. Moreover, the department/BIF center is actively publishing high impact factor research papers in the area of Bioinformatics where five faculty members of the center covering all cadre viz. Professor/Associate Professor/Assistant Professor are involved as supervisors as well as active researchers. The department offers semester-based courses M.Phil./Ph.D. in Computer Science/Bioinformatics, M.Sc. Bioinformatics program in addition to MCA and PGDCA courses through a well-designed industry oriented as well as research oriented curriculum.

Area of specialization: Following are envisages as the areas of specializations, through curriculum and research studies:
a) Applications of A.I. Techniques in Life Sciences and Medical Sciences
b) Computational Biology
b) Biological Data Mining
c) Systems Biology
d) Modeling and Simulation

Theme of Workshop:

All knowledge is for the welfare of Human beings and human beings are the supreme creatures of GOD/Nature. Reasons being, they are bestowed with the ability to think, create and recreate, invent and innovate, which ultimately are meant for enhancement of human welfare through Quality of Life (QoL). Education and Health are the two important parameters to determine the quality of life, and even, well being of Nations.

Therefore, every knowledge and innovation - the outcomes of every research, have to be for the welfare and development of Human being through Quality of Life (QoL). Biosciences and Biology in isolation without computational, A.I. techniques have not provided the effective results so far, and cannot provide even in future. The computational techniques when operated through formulations and frameworks on biological content delivers a new discipline called "Bioinformatics".
"Translational Bioinformatics" has gone a step further where it talks about utilization of Basic Research (Bench) for Clinical Purpose (Bed of a Patient/Hospital)"which is known as"Bench–to-Bed"
The primary goal of Translational Bioinformatics is to apply and use efficiently molecular information of Biological product (content) using Computational/Artificial Intelligence/Laboratory techniques including Next Generation Sequence analysis to share with clinician for clinical solutions. Basic scientists have to provide clinicians with new treatment strategies based on laboratory data, vice-versa, to improve further using feedbacks of clinicians. This process "Bench to Bed" is yet to take a vibrant role all over the globe, which is the future objective of Translational Bioinformatics (TB). In future, TB is expected to reveal solutions, for treatment of rare deceases including Cancer etc., on the basis of A.I techniques and GEN Next Analysis.
The workshop Lectures, Invited Talk, Hands-on sessions, and Invited Papers will include the following, but not limited to:
-Artificial intelligence based methods to address complex biological data classification problems;
-Computer aided drug designing: including molecular modelling, molecular dynamics, homology modelling, virtual screening and cheminformatics for lead identification;
-Application to identify novel drug targets and gene expression regulatory elements like miRNAs and transcription factors;
-Applications for Systems Biology for translational bioinformatics;
-Computational / statistical analysis of NGS (Next Generation Sequence) data;
-Algorithm Development using biological databases.

How to Apply?

Registration Fee:

For Student, Faculty, Industry Professional (Early Bird)
Rs 1000
For Student, Faculty, Industry Professional (on the spot registration on April 9, 2018) : Rs 1000 + Rs 500 (late fee)

Venue

Seminar Room, Department of Computer Science, Jamia Millia Islamia, New Delhi-110025
Venue for Inaugural Session: Auditorium, University Polytechnic, (Near Department of Computer Science, Jamia Millia Islamia)

Who Can Apply?

PG students, Research scholars, Scientists, Faculty members working in the Bioinformatics/Computer Science may apply to participate in the workshop.

Important Dates:

27.03.2018 (5:00 PM IST): Last date for submission of application form/ submission of Paper/Abstract of Poster/Online Registration fee payment
05:04:2018 (8:00 PM IST): Intimation to participants for Paper Acceptance / Poster Acceptance
09:04:2018 (8:30 AM IST): Registration

Note: Seats are limited. Candidates for participation will be selected on first come first serve basis. Accommodation facility is presently not available for the out of station participants.