

Two Day National Workshop on "Advances in Functional and Structural Genomics" March 25 - 26, 2019



Supported By
DBT, Govt. of India, New Delhi
Under
BIF Programme



Organized By

Venue - Bioinformatics Center
CSIR- Institute of Himalayan Bioresource
Technology, Palampur,
Himachal Pradesh

About the Workshop

Bioinformatics is a widely recognized interdisciplinary field that develops and applies computational methods to analyze large collections of biological data gathered from diverse fields such as genomics, proteomics or metabolomics. This helps to make new predictions or develop new pipelines. In the era of big data challenges, as the availability of biological information becomes ever larger and more complex, more computational tools are needed to sort through the data. In this workshop, eminent scientists will share their experiences, current status and challenges in NGS, systems biology and structural bioinformatics. The Bioinformatics Infrastructure Facility (BIF) workshop focuses a large portion of the agenda to educational programming geared to enhance the skill-sets in the field of biological science. This workshop aims at enhancing the skills of participants on modern computation tools and techniques to analyse data regarding genomics, proteomics, and transcriptomics.

Objectives of the Workshop

- To create awareness among the participants about Computational Sys-

-tem Biology and Bioinformatics.

- To create awareness among the participants about Computational System Biology and Bioinformatics.
- To give exposure of concept, skills, tools and techniques in the application area of Bioinformatics.
- To train the participants on recent trends and future direction in this area
- To give exposure of concept skills on modern computation tools for their research and teaching.

COURSE OUTLINE

- An overview of workflow for NGS-based analysis.
- An overview of software tools for NGS-based functional annotation.
- An overview of the systems biology approaches for data analysis and biological interactions.
- An overview of structure-based tools their functional interpretation.

WHO CAN ATTEND

Under/Post graduates, PhD students, post-doctoral researchers and scientists who are doing or planning to start research on NGS, structural and systems biology.

HOW TO APPLY

Interested candidates are requested to email filled registration form to address aparna@ihbt.res.in. The selected candidates will be intimated through e-mail as per attached form and thereafter registration fee may be paid at the time of registration.

REGISTRATION FEE

Registration fees are inclusive of training kit, refreshment and a working lunch on all training days. Registration fees can be paid as cash/DD/cheque drawn in favour of 'Director CSIR-IHBT' at the time of registration.

Participants	Amount
B.Sc./M.Sc. Students	INR 500
Ph.D./Research Scholar	INR 800
Faculty Members/ Scientists	INR 1000

ACCOMODATION

Accommodation may be provided in guest house. Arrangements will be made only after receiving the duly filled accommodation request along with the registration form.

ORGANIZING COMMITTEE

Chief Patron

Dr. Sanjay Kumar
(Director IHBT)

Convener

Dr. Aparna Maitra Pati
(Senior Principal Scientist)

Organizing Committee

Dr. Aparna Maitra Pati
Dr. Vishal Acharya
Dr. Ankita

CONTACT PERSON

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REGISTRATION FORM

Two Day National Workshop on "Advances in Functional and Structural Genomics"

1 Name (in block letters).....

2 Gender

3 Designation

4 Institute

5 E-mail

6 Contact Number

7 How this workshop will be helpful to you?
(100 words)

8 Place & Date

Signature

Note: Selection will be based on the brief summary provided by attendees 'how this workshop will be helpful to you'. Email regarding application should be sent on or before 20th March, 2019 at 10.00 a.m.