

BISR, Jaipur and BTIS Sub-DIC, DBT, GOI
BIOINFORMATICS
Training Programs'

REGISTRATION INFORMATION

Timings: 09:30 - 18:00 hrs

Venue
Mini Conference Hall,
Birla Auditorium,
Birla Institute of Scientific Research,
Statue Circle, Jaipur 302001

Fee: Rs 2000/-
The fee includes course documentation as well as mid-session refreshments and lunch.

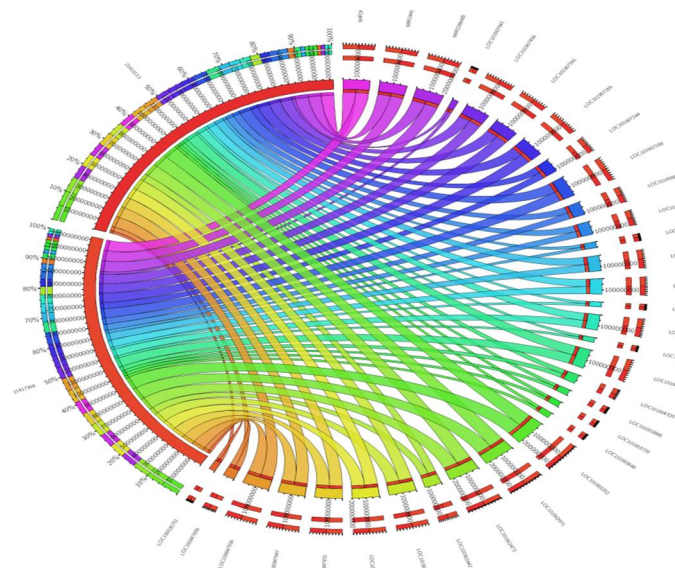
On-spot registration is available only in condition of availability of seat with late fees and prior information.

Accommodation:
Accommodation will be provided on written request to the convener and the participant will bear the cost of accommodation.

Disclaimer
In the event of circumstances beyond its control, the Management reserves the right to alter the program, the speakers, the date or the venue.

Signature of Applicant
(A4 size application form may be downloaded from the website)
Website: www.bisr.res.in

Last Date of Application: 10 Jan 2017



20 - 22th January 2017



**Birla Institute of Scientific Research
Jaipur**

"Gain the competitive edge with practical experience and hands-on technical training."

PROGRAM DESCRIPTION

The recent advances in biological sequencing technology have produced a great volume of high-throughput genomics data and created a new challenges and unprecedented opportunities for researchers to address various kinds of biological problems. The emerging tools for genomic data analysis have paved the novel way to have a comprehensive and high resolution view of genetics of an individual. Thus, it allowed researchers to have a complete epigenetic view of special cells and tissue types responsible for various genetic variation and diseases including cancer cells.

This workshop focuses on the current trends in Genome Analysis with special insights into the Next Generation Sequencing (NGS) data analysis. The session will include the demonstration of various steps of data analysis including description of various sequence file formats followed by quality control and generation of variant calls. Besides, in structural bioinformatics the current strategies in molecular modeling of proteins and computer aided drug design (CADD) will be discussed with guided practical training.

The workshop is self-contained and does not assume any special knowledge of computer programming or Bioinformatics.

TOPICS COVERED

- Introduction to Bioinformatics
- Information Resources and Data Retrieving Techniques
- Sequence Alignment: BLAST Tools
- Systems Biology and Regulatory Networks
- Next Generation Sequencing(NGS) Technology
- NGS Data Analysis
- Gene-Gene Interactions Analysis
- Computational Analysis of DNA Replication
- Protein Structure Prediction and Modelling
- Molecular Docking and CADD

TEACHING FACULTY

Besides BISR faculty, eminent guest speakers from renowned Bioinformatics Centers of India and abroad will deliver lectures and conduct demonstration. Visit website for details.

WHO SHOULD ATTEND?

The participants of the course may be students, research scholars, and faculty and industry personnel with background in Life Sciences and/or Information Technology. The workshop is self-contained and does not assume any special knowledge of the subject.

HOW TO APPLY

Interested candidates may apply by sending filled application form along with the NEFT details or DD of Rs. 2000/- in favor of **"The Birla Institute of Scientific Research"** payable at **"Jaipur"** latest by **January 10, 2017** to the Convener. The confirmation of participation will be informed through emails only. Selection criteria would be first come first serve. (Mark heading of your envelop with *"Bioinformatics workshop" 20-22 January 2017.*) For NEFT details visit website.

Note: The number of participants is limited to **40** only. For any query send an email at **bisrjaipur@gmail.com** or contact the convener.

Dr. P S Solanki

Convener

Bioinformatics Workshop

Birla Institute of Scientific Research

Statue circle, Jaipur – 302001, Rajasthan (INDIA)

Tel: 0141-2385094 ext 324 (0), **Fax:** 0141-2385121

A certificate of attendance for professional development will be given to each participant who completes the course.

"For more details visit www.bisr.res.in"