Three-Day Workshop on

Bioinformatics: Sequence Analysis

21 – 23 September 2012

APPLICATION TO REGISTER

Title .... First Name ....

Last Name ....

Educational Status ....

Designation/Student...................................

University/Institute.....................................

Address (Mailing)..

....

....

City .... State ....

Pin Code ....Tel/Mobile.....................

Email(valid)..

Accommodation required (tick): yes / no

DD Details

No .... Date ....

Issuing Bank ....

Reason to join this training:

....

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Signature................................

Separate application form may be downloaded from the website.
URL: www.bisr.res.in

Last Date of Application:
5 September 2012

REGISTRATION INFORMATION

Timings: 09:30 - 18:00 hrs

Registration 09:00 hrs Day 1

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.

Mode of Payments
Demand Draft of Rs 2000/- in favor of "**The Birla Institute of Scientific Research**", payable at **Jaipur**.
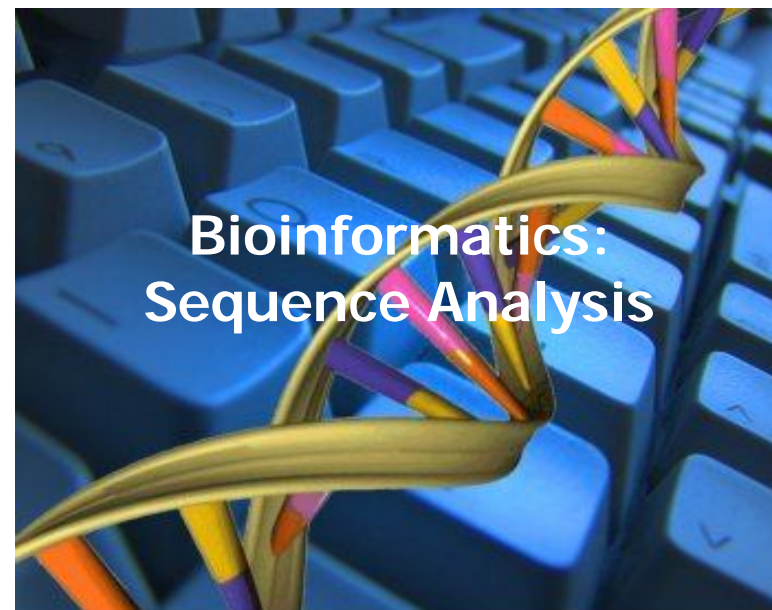
Disclaimer
In the event of circumstances beyond its control, the Management reserves the right to alter the program, the speakers, the date or the venue.

BISR, Jaipur and BTIS Sub-DIC, DBT

BIOINFORMATICS
Training Programs'

Bioinformatics: Sequence Analysis

21 – 23rd September 2012

Birla Institute of Scientific Research Jaipur

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

PROGRAM DESCRIPTION

Bioinformatics has initiated a new revolution in life science research by providing computational solutions to biological problems. Availability of huge amount of biological data has tremendously enhanced the speed of biological research and dramatically reduced the cost of research. The Inherent traits of an organism are hidden and assembled in the form of a genome. Analyzing this hidden information is a challenge in front of researcher. Bioinformatics provides the platform to study various aspects of biological sequences using information technology.

This workshop focuses on the tools and techniques that are being used to decipher and analyze biological sequences. The workshop will feature morning lectures, demonstrations with evening hands-on session in Bioinformatics lab.

TOPICS COVERED

- **Bioinformatics: Overview**
- **Molecular Databases**
- **Sequence Alignment**
- **Dynamic Programming**
- **BLAST & FASTA**
- **Multiple Sequence Alignment**
- **Phylogenetics**
- **Primer Designing**
- **Gene Discovery**
- **Statistical Modeling Basics**

LAB EXERCISE

Information Retrieval Techniques, Molecular Databases, Sequence Alignment by Dynamic Programming approach, Similarity Searching using BLAST and FASTA methods, Online sequence analysis, Gene Identification methods, Primer designing, Phylogenetic analysis.

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

WHO SHOULD ATTEND?

The participants of the course may be students, research scholars, 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.*

TEACHING FACULTY

Besides BISR faculty, eminent guest speakers from renowned Bioinformatics Centres of India will deliver lectures and conduct demonstration on various aspects on Bioinformatics.

HOW TO APPLY

Interested candidates may apply by sending filled application form along with the DD of Rs 2000/- in favor of **"The Birla Institute of Scientific Research"** payable at **"Jaipur"** latest by **September 5, 2012** to the Convener. The confirmation of participation will be informed through emails only. List of selected participants will also be displayed on the website. Selection criteria would be first come first serve. (Mark your envelop with *"Bioinformatics workshop" 21 – 23 September, 2012.*)

Note: The number of participants is limited to 40 only.

For any query email at workshop.bisr@gmail.com

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.