

Three-Day Workshop on  
BIOINFORMATICS: SEQUENCE ANALYSIS

23 – 25 September 2009

APPLICATION TO REGISTER

Title ..... First Name .....

Family Name .....

Educational Background .....

Position .....

Organization .....

Address .....

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City .....Pin Code .....

Tel .....Fax .....

Email .....

Reason to join this training:

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Accommodation Required : yes or no

DD Details

No ..... Date .....

Bank .....

Signature .....

Application form may be downloaded  
from the website.

URL: [www.bisr.res.in](http://www.bisr.res.in)

Last Date of Application:  
15 September 2009

REGISTRATION INFORMATION

Timings : 09:30 - 18:00 hrs

Registration 09:00 hrs Day 1

Venue

2<sup>nd</sup> Floor, R & D Laboratory,  
Birla Institute of Scientific Research,  
Statue Circle, Jaipur 302001

Fee: Rs 1500/-

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.

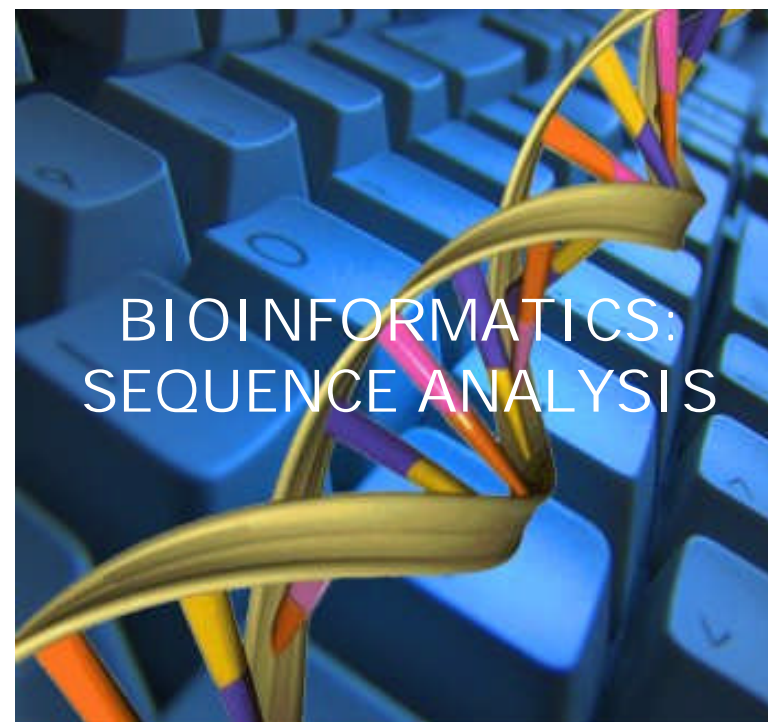
Mode of Payments

Demand Draft of Rs 1500/- in favor of  
"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'



23 -25 September 2009  
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 has paved the way for analyzing and unveiling this hidden information available in the form of nucleotide and protein sequences. The underlying theme of this workshop is to provide an insight onto the current methods and strategies that are being used to analyze biological information through guided practical training.

## 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.

## 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 1500/- latest by September 15, 2009 to the Convener. The confirmation of registration will be informed through emails only. List of selected participants will be displayed on the website.

“For more details visit [www.bisr.res.in](http://www.bisr.res.in)”

## TOPICS COVERED

- Bioinformatics Overview
- Molecular Databases
- Sequence Alignment: Pairwise
- BLAST and FASTA Techniques
- Multiple Sequence Alignment
- Gene Identification Methods
- Protein Sequence Analysis
- Genome Analysis
- Phylogenetics Analysis
- Online Tools for Analysis

## LABORATORY

Information Retrieval Techniques, Sequence Alignment by Dynamic Programming approach, Homology Searching using BLAST and FASTA methods, Online sequence analysis, Gene Identification methods, Multiple Sequence Alignment and Phylogenetic analysis.

For any query email at [workshop.bisr@gmail.com](mailto:workshop.bisr@gmail.com)

P S Solanki

Convener

Birla Institute of Scientific Research

Statue circle, Jaipur – 302001, Rajasthan (INDIA)

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Tel: 0141-2385094 (0) Fax: 0141-2385121

Website: [www.bisr.res.in](http://www.bisr.res.in)

A Certificate of Attendance for Professional Development will be given to each participant who completes the Course.