

**Three-Day Workshop on  
Bioinformatics: Sequence & Genome Analysis**

08 – 10 December 2011

**APPLICATION TO REGISTER**

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

Last Name .....

Educational Background .....

Designation/Student.....

Organization .....

Address .....

.....

.....

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

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

Email .....

Reason to join this training:

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Accommodation Required: yes OR no

DD Details

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

Issuing Bank .....

Signature .....

**Application form may be downloaded  
from the website.**

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

**Last Date of Application:  
30 November 2011**

**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.

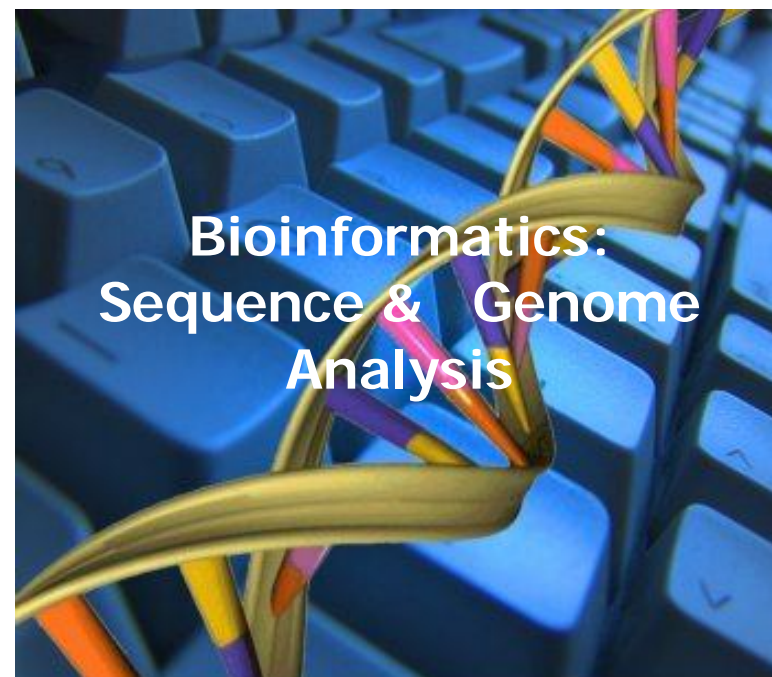
**Disclaimer**

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'**



**8 -10<sup>th</sup> December 2011  
Birla Institute of Scientific Research  
Jaipur**

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

## PROGRAM DESCRIPTION

The 'Genome' of an organism contains the essential information require to reconstruct and regulate life. With the advancement in technology, researchers are able to resolve the hidden genetic information present as a sequence of code. With Automated-sequencing technology, huge amount of genomic data is being generated daily and analyzing this data is essential to understand the principles of life for the benefit of human race. Bioinformatics provides the platform to study various aspects of life science using information technology.

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

## TOPICS COVERED

- Molecular Databases
- Sequence Alignment
- Dynamic Programming
- BLAST & FASTA
- Multiple Sequence Alignment
- Phylogenetics
- Gene Identification Methods
- Genome Annotation
- Comparative Genomics
- Systems Biology
- Machine Learning
- Optimization Techniques

*"For more details visit [www.bisr.res.in](http://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 1500/- latest by **November 30, 2011** to the Convener. The confirmation of participation will be informed through emails only. List of selected participants will be displayed on the website.

**Note: The no. of participants is limited to 40 only.**

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

**P S Solanki**

Convener

Bioinformatics Workshop

Birla Institute of Scientific Research

Statue circle, Jaipur – 302001, Rajasthan (INDIA)

**Email:** [workshop.bisr@gmail.com](mailto:workshop.bisr@gmail.com)

**Tel:** 0141-2385094 ext 324 (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.*