

**Three-Day Workshop on
Structural Bioinformatics**

10 – 12 January 2014

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:
1 January 2014

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.

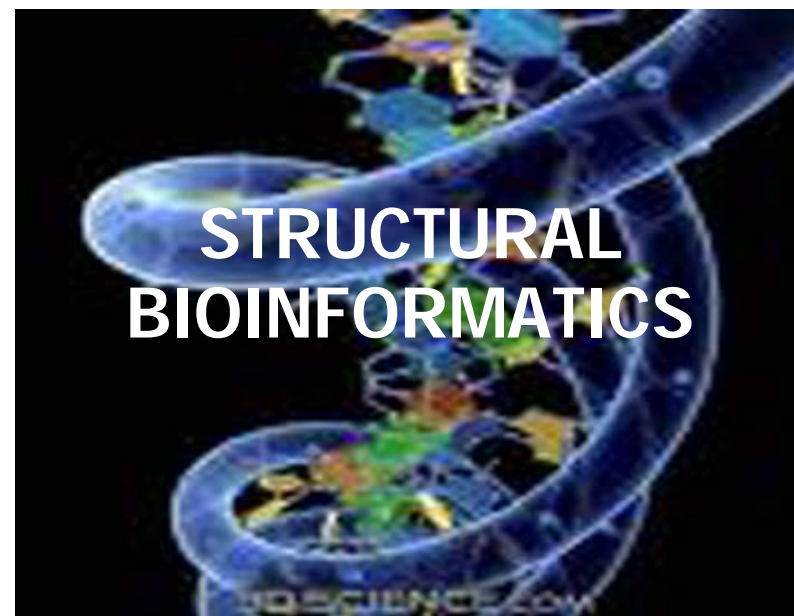
Mode of Payments

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'**



10 – 12th January 2014



**Birla Institute of Scientific Research
Jaipur**

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

PROGRAM DESCRIPTION

There have been extensive advancements in structural bioinformatics during the last few years, especially after the sequencing of the human genome. In the post-genomic era, the rapid increase in the number of sequence-known proteins witnessed the availability of possible "drug targets". A large number of methods and tools have been developed which provide the means to exploit the wealth of new informatics in drug discovery approaches.

This workshop will showcase the current developments in the area of Structural Bioinformatics. The objective of the program is to provide participants with an insight into the various aspects of *in-silico* protein modeling and drug design techniques through guided practical training. The workshop will feature morning lectures, demonstrations with evening hands-on session in Bioinformatics lab.

TOPICS COVERED

- ✦ Introduction to Structural Bioinformatics
- ✦ Protein Structure Basics
- ✦ Structure Databases and Chemical Libraries
- ✦ Database Searching Techniques
- ✦ Building and Sketching Molecules
- ✦ Bio-molecular Visualization & Analysis
- ✦ Protein Structure Prediction
- ✦ Homology Modeling of Proteins
- ✦ RNA Structure Prediction
- ✦ Molecular Docking
- ✦ Computer Aided Drug Designing

LAB EXERCISE

Searching Structural Databases and Chemical Libraries, Molecular Visualization, Building and Sketching Molecules, Protein Secondary and Tertiary Structure Predictions, Homology Modeling, Molecular docking.

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 January **1, 2014** 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" 10 –12 January 2014.*)

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.

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