**Course Contents**

- Introduction to Bioinformatics
- Biological Databases
- Sequence alignment
- Primer Designing
- Phylogenetic Analysis
- Homology Modeling
- Post Structure Analyses

**IMPORTANT DATES**

- Registration Begins: June 24, 2013
- Registration Closed: July 24, 2013
- Workshop Dates: July 30-31, 2013

**Venue**

Center of Excellence in Bioinformatics (COEBI)
Bioinformatics Infrastructure Facility (BIF)
Department of Biochemistry
University of Lucknow
Lucknow-226007
Uttar Pradesh, India

**Contact**

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**Workshop on Application of Bioinformatics in Biotechnology Research**

**July 30-31, 2013**

Organized By

Centre of Excellence in Bioinformatics
Bioinformatics Infrastructure Facility
Department of Biochemistry
University of Lucknow
Lucknow-226007
Center of Excellence in Bioinformatics (Funded by Department of Higher Education, Government of U.P.) & the Bioinformatics Infrastructure Facility (BIF) Centre, under the Biotechnology Information System Network (BTIS) program (funded by Department of Biotechnology (DBT), Ministry of Science & Technology) at the Department of Biochemistry, University of Lucknow, are well equipped with various hardwares & softwares, (Servers for Database Application, Desktop Machines, and high speed Internet Connection, Exome Horizon, MATLAB, Discovery Studio, DNA STAR etc.). One thrust area of these centers are to popularize the application of Bioinformatics by organizing training programs and conducting Seminars/Workshops for Teachers/Scientists/Research Scholars/Students, which is being conducted on a regular basis. In addition, centers are actively involved in conducting research on Computational Biology, Molecular Modeling, Database Development, Comparative Genomics and Proteomics, Biological data acquisition, creation and development of programmes and databases needed by the users.

**OBJECTIVE** - The objective of training program is to give exposure to the participants to concepts, skills and tools of Bioinformatics and to provide hands on training on basics of Bioinformatics, sequences analyses as well as structure predictions.

### About Workshop

<table>
<thead>
<tr>
<th>Date</th>
<th>July 30-31, 2013</th>
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<tbody>
<tr>
<td>Duration</td>
<td>2 days</td>
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<tr>
<td>Subject of area</td>
<td>Computational and structural bioinformatics</td>
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<td>Methodology</td>
<td>Lectures, Demos, Hands on session.</td>
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<td>Level of participants</td>
<td>Faculty, Research Scholars and Students from College, Universities and research organizations.</td>
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<td>Prerequisites</td>
<td>Minimum skill in operation of computer.</td>
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<td>No. of participants</td>
<td>30</td>
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<td>Registration fee From India</td>
<td>Rs 1500/- (Without Accommodation)</td>
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**Accommodations**

Limited boarding facility can be made available in the University guest house/hostels on first come first serve basis. Extra fee will be charged separately.

- Selection will be based on first come first serve basis.
- First send the CV for selection.
- All Communications will be done via e-mail.