Workshop on

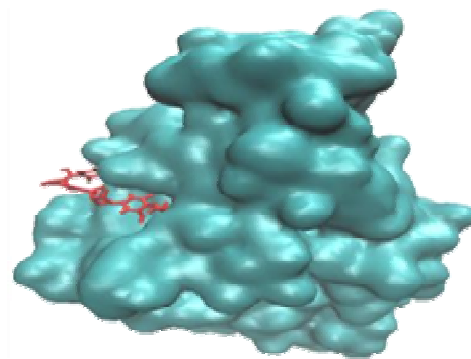# Molecular Docking and Dynamics Simulation Analyses

February 19-20, 2016

**Bioinformatics Infrastructure Facility
Centre of Excellence in Bioinformatics
Department of Biochemistry
University of Lucknow
Lucknow-226007**

Contact

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IMPORTANT DATES

**Registration Begins
January 18, 2016
Registration Closes
February 15, 2016
Workshop Dates
February 19-20, 2016**

COURSE CONTENT

- ✓ **Molecular Docking**
- ✓ **Protein-ligand interaction Analyses**
- ✓ **MD Simulation of Protein-ligand complex**
- ✓ **Analyses of MD Trajectories**
- ✓ **Visualization of Dynamic complexes**

Venue

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

Bioinformatics Infrastructure Facility

The **Bioinformatics Infrastructure Facility (BIF), setup under the Biotechnology Information System Network (BTIS) program (funded by Department of Biotechnology (DBT), Government of India, New Delhi) & the Center of Excellence in Bioinformatics (Funded by Department of Higher Education, Government of U.P.) at the Department of Biochemistry, University of Lucknow, are well equipped with various hardwares & softwares, (Servers for Database Application, Desktops, Work Stations and high speed Internet Connection, Exome Horizon, MATLAB, Discovery Studio, DNA STAR, Sybyl etc.). In order to popularize the applications of Bioinformatics among Teachers / Scientists / Research Scholars / Students, center has been organizing training programs and conducting Seminars / Workshops on a regular basis. In addition, center is actively involved in conducting research on Computational Biology, Molecular Modeling & Dynamics Simulations, Database Development, Comparative Genomics and Proteomics.**

About Workshop

Date	February 19-20, 2016
Duration	2 days
Subject of area	Computational and Structural Bioinformatics
Methodology	Lectures, Demos with Hands on session
Level of participants	Faculty, Research Scholars and Students from various colleges, universities and research organizations
Prerequisites	Minimum skill in operation of computer
No. of participants	20
Registration fee From India	Rs 2000/- (Without Accommodation)

Procedure for selection

- **Submission of CV before deadline, only via E-mail.**
- **Short-listing of applicants.**
- **Fee submission before given deadline.**
- **Selection will be based on first come first serve basis.**
- **All communications will be done only via E-mail.**

Registration Form

Name	
Date of Birth	
Designation	
Department and Institution	
Address	
Educational Qualification (attach CV along with a passport size photo)	
Phone/Mobile no.	
Email	
Mode of Payment	
• Cash	
• DD	

DD No.	DD Date
Applicant Signature	

Signature of Research supervisor/ Project coordinator/ Head of the Department/ Head of institution

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OBJECTIVE - The objective of the training program is to give exposure to the participants to concepts, skills and tools of bioinformatics and to provide hands on training on various bioinformatics approaches such as basics of computer-aided drug designing, molecular docking, protein-ligand interaction analyses and molecular dynamics simulation analyses through online as well as offline tools and softwares.