



Course Contents

Docking analyses

- Molecular Docking
- Docked complex analyses

Molecular Dynamics (MD) Simulation

- Linux Introduction
- Gromacs Installation
- MD Simulation of Protein Ligand Complex
- Analyses of MD Trajectories
- Visualization of Dynamic complex

IMPORTANT DATES

Registration Begins

January 23, 2015

Registration Closed

February 21, 2015

Workshop Dates

February 27-28, 2015

Venue

Bioinformatics Infrastructure Facility (BIF)

Department of Biochemistry
University of Lucknow
Lucknow-226007
Uttar Pradesh, India



Contact

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Workshop on

Molecular Docking and Dynamics Simulation Analyses

February 27-28, 2015

Organized By



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

Bioinformatics Infrastructure Facility

Bioinformatics Infrastructure Facility (BIF) Centre, under the Biotechnology Information System Network (BTIS) program (funded by Department of Biotechnology (DBT), Ministry of Science & Technology) & 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, Workstations 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 27-28, 2015
Duration	2 days
Subject of area	Docking and MD simulation
Methodology	Lectures, Demos, Hands on session.
Level of participants	Faculty, Research Scholars and Students from College, Universities and research organizations.
Prerequisites	Minimum skill in operation of computer.
No. of participants	20
Registration fee From India	Rs 1500/- (Without Accommodation)
<p>Accommodation in the University guest house/hostels can be made available only on request in advance on first come first serve basis. Extra payment has to be done for this.</p>	
<p>Procedure for selection</p> <ul style="list-style-type: none"> •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 photograph)	
Phone/Mobile no.	
Email	
Accommodation required: Yes / No	
Mode of Payment	
<input type="checkbox"/> Cash <input type="checkbox"/> DD	
DD No.	DD Date
Applicant Signature	
Signature of Research supervisor/ Project coordinator/ Head of the Department/ Head of institution	

OBJECTIVE - The objective of training program is to provide exposure as well hands on training to the participants to the basic concepts, skills and tools of molecular docking, and dynamics simulation analyses through online as well as offline tools and softwares.