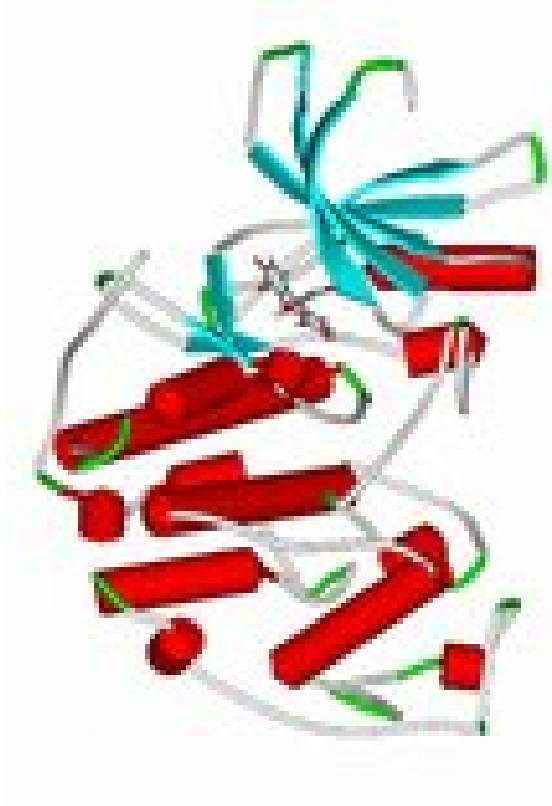


2nd Workshop on Bioinformatics and Molecular Modeling in Drug Design

December 22-24 2009

Venue: Seminar Hall, APCR, University of Delhi, Delhi



Organized by:



**Bioinformatics Infrastructure Facility
(DBT Sponsored)
Dr. B.R. Ambedkar Center for Biomedical Research
University of Delhi
Delhi-110007**

ACBR, University of Delhi, Delhi

About the workshop

Dr. B.R. Ambedkar Center for Biomedical Research, University of Delhi, INDIA is organizing its 2nd workshop on applications of Bioinformatics and molecular modeling in drug design at Seminar Hall, University of Delhi during **December 22-24th 2009**. The meeting focuses on the advancement and exploration of the knowledge about modern trends in Biomedical Sciences viz. Computational Strategies, use of computers and informatics in understanding gene annotations, biomolecular interactions and Rational Drug Design. Various molecular modeling methods such as basics of bioinformatics tools, gene annotations, protein modeling, energy minimizations, molecular dynamics, docking methods and structure- based approaches will be discussed in detail. Along with this an overview of microarray data and pathway analysis will be covered with hand on training.

The conference would provide a great opportunity to budding scientists to share the knowledge and plan future strategies for modern drug research by intellectual interaction with the elite scientists of the country. It is anticipated that the workshop would unwrap new prospective for research in computer aided drugs design.

About the Center

Dr. B.R. Ambedkar Center for Biomedical Research (ACBR) is dedicated to research and postgraduate education in Biomedical Sciences. The institute serves as a prototype of postdoctoral training where young scientists at the start of their research career can gain the skills and insights required in their chosen fields.

ACBR possesses a unique structure having an inter-disciplinary, goal oriented approach with an objective to meet the demanding standards in Biomedical Research. Laboratories, rather than conventional categorical departments, are the fundamental units of the ACBR. Typically headed by a senior faculty, the laboratories may include several other faculty members, postdoctoral fellows and Ph.D. students, who share common scientific interest of the group. This structure provides flexibility and enhances the opportunity for intellectual interaction and collaboration.

The topics would include:

- Bioinformatics and its application in understanding gene/protein function
- Energy Minimization & Molecular Mechanics
- Understanding Biomolecular Interaction
- Structure and Ligand Based drug Design
- Microarray Data analysis

Last date of application: 18, December, 2009

Intimation of selection: 21, December, 2009

Who should attend the workshop?

Scientists, teachers and research students working in academic and industry in various areas of Bioinformatics & Cheminformatics for drug design. It is essential that the participant should have basic knowledge of Computer & Bioinformatics.

Selection Criteria: Selection will be based on one-page write-up describing how the workshop will benefit you in your area of research. Preference will be given to active researchers, teachers and scientists. You will be informed by email.

Registration fees

Indian	Academic Fee
INR	750 /- (for Students) 1000/- (for Scientists and Academicians)

(To be paid only after selection)

Number of participants: 30

Accommodation: A limited accommodation (3-4 persons) can be provided to the candidates in University Guest house.

Patron-in-Chief

Prof. Deepak Pental (Vice Chancellor, DU)

Patron

Prof. S. K. Tandon (Chairman, Governing Body, ACBR)

Chairperson

Prof. Daman Saluja (Officiating Director)

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Mr. Manoj Bhatt

Conference Secretariat for Correspondence

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