

**SEMINAR ON “Current Trends in Bioinformatics Teaching & Research”  
February 16-18, 2009**

**PROGRAMME**

**Monday, February 16, 2009**

09:30 A.M. - 10:00 A.M. Registration

10:00 A.M. - 11:00 A.M. Inaugural Session

11:00 A.M. - 11:30 A.M. Tea Break

**SESSION-I**

11:30 A.M. - 12:15 P.M. **Protein Folding**  
Prof. N. Gautham  
*Department of Crystallography and Biophysics,  
University of Madras, Chennai.*

12:15 PM - 01:00 P.M. **Structure and Analog Based Drug Design and  
their Applications in Virtual Screening**  
Dr. G. Narahari Sastry  
*Scientist, Molecular Modeling Group  
Indian Institute of Chemical Technology (IICT)  
Hyderabad.*

01:00 P.M. - 02:00 P.M. Lunch Break

**SESSION-II**

02:00 P.M. - 03:00 P.M.  
Prof. D. Velmurugan  
*Department of Crystallography and Biophysics ,  
University of Madras, Chennai.*

03:00 P.M. - 03:45 P.M. **Systems Biology and Drug Discovery**  
Dr. G. Ramesh Kumar  
*Scientist, AU-KBC Research Centre  
MIT Campus of Anna University, Chennai.*

03:45 P.M. - 04:00 P.M. Tea Break

04:00 P.M. - 04:45 P.M. **LAB SESSION**

## PROGRAMME

**Tuesday, February 17, 2009**

### **SESSION-III**

- 10:00 A.M. - 10:45 A.M. **Modeling of Solvation Effects on Biomolecules**  
Dr. V. Subramanian  
*Central Leather Research Institute (CLRI), Chennai*
- 10:45 A.M. - 11:30 A.M. **Internet computing for structural Biologists**  
Dr. K. Sekar  
*Centre of Excellence in Bioinformatics  
Indian Institute of Science (IISc), Bangalore.*
- 11:30 A.M. - 11:45 A.M. Tea Break
- 11:45 P.M. - 12:30 P.M. **In silico screening in drug design**  
Dr. Mukesh Doble  
*Department of Biotechnology  
Indian Institute Technology, Chennai.*
- 12:30 PM - 01:15 P.M. **Molecular Modeling and Drug Design**  
Prof. D. Velmurugan  
*Department of Crystallography and Biophysics ,  
University of Madras, Chennai.*

01:15 P.M. - 02:15 P.M. Lunch Break

### **SESSION - IV**

- 02:15 P.M. - 03:00 P.M. **Evolution of protein structures: the case of diversity in the SGNH Hydrolases**  
Dr. N. Manoj  
*Department of Biotechnology,  
Indian Institute of Technology (IIT) Madras,  
Chennai.*
- 03.00 P.M - 03.45 P.M. **Personalized Medicine : Benefits and Challenges**  
Prof. C. Adithan  
*Head, Department of Pharmacology,  
JIPMER, Pondicherry.*
- 03:45 P.M. - 04:00 P.M. Tea Break
- 04:00 P.M. - 04:45 P.M. **Proteomics In Medicine**  
Dr. M.R. Rajeswari  
*Department of Biochemistry,  
All India Institute of Medical Sciences (AIIMS),  
New Delhi-110 029.*

04.45 P.M - 05.30 P.M.

### **LAB SESSION**

## PROGRAMME

**Wednesday, February 18, 2009**

**SESSION-V**

- 09:45 A.M. - 10:30 A.M. **Pharmacophoric analysis and Molecular Docking studies on antifungal Azoles as CYP51 inhibitors**  
Dr. Sanjeev Kumar  
*Bioinformatics Centre, School of Biotechnology  
Madurai Kamaraj University, Madurai.*
- 10:30 A.M. - 11:15 A.M. **Comparative genomics: A multi-pronged analysis tool**  
Dr. Shrish Tiwari  
*Scientist,  
Centre for Cellular and Molecular Biology(CCMB),  
Hyderabad.*
- 11:15 A.M. - 11:30 A.M. Tea Break
- 11:30 A.M. - 12:15 P.M. **Toxicoinformatics and Drug Design**  
Dr. Poonam Singh  
*Central Drug Research Institute,  
Lucknow*
- 12:15 PM. - 01:00 P.M. **Research needs in bioinformatic approaches for the control of parasitic diseases**  
Dr. S.L. Hoti  
*Deputy Director, Vector Control Research Centre  
Pondicherry.*
- 01:00 P.M. - 02:00 P.M. Lunch Break

**SESSION-VI**

- 02:00 P.M. - 02:45 P.M. **Support Vector Machines and its applications in Bioinformatics**  
V. K. Jayaraman  
*Scientist, National Chemical Laboratory, Pune.*
- 02:45 P.M. - 03:30 P.M. Valedictory Session and Certificate distribution  
Feedback from participants