

SBCADD'2017
DEPARTMENT OF BIOINFORMATICS
PROGRAMME SCHEDULE

DAY I - 14th February, 2017

VENUE: Department of Bioinformatics, Science Campus

INAUGURAL SESSION

09.00 am – 10.00 am	Registration
10.00 am– 11:45 am	Invocation and Vallal Vazhthu
	Lighting of Kuthuvilakku
	Welcome Address Prof. J. JEYAKANTHAN Convener
	Inaugural Address Prof. T. P. SINGH Distinguished Biotechnology Research Professor Department of Biophysics All India Institute of Medical Sciences New Delhi
	Presidential Address Prof. S. SUBBIAH Vice-Chancellor Alagappa University
	Thematic Address Prof. VEEJENDRA K YADAV Department of Chemistry Indian Institute of Technology Kanpur
	Felicitation Address Prof. D. VELMURUGAN UGC - BSR Faculty CAS in Crystallography and Biophysics University of Madras, Chennai
	Vote of Thanks Prof. SANJEEV KUMAR SINGH Organizing Secretary
HIGH TEA	

PLENARY LECTURES

Chairperson: Dr. D. Velmurugan		Co-Chairperson: Dr. J. Jeyakanthan	
11:45 am – 12:30 pm	<i>Structural basis of activation of mammalian heme peroxidases</i> <div style="text-align: right;">Dr. T. P. Singh All India Institute of Medical Sciences, New Delhi</div>		
12:30 pm – 01:15 pm	<i>Steric and Stereo electronic Effects in Organic Chemistry</i> <div style="text-align: right;">Dr. Veejendra K. Yadav Indian Institute of Technology Kanpur, Kanpur</div>		
LUNCH			
Chairperson: Dr. K. Sekar		Co-Chairperson: Dr. Sanjeev Kumar Singh	
02:15 pm – 03:00 pm	<i>New paradigms in the predictive modeling of protein-DNA interactions</i> <div style="text-align: right;">Dr. Shandar Ahmad Jawaharlal Nehru University, New Delhi</div>		
03:00 pm – 03:45 pm	<i>Molecular Modeling and Molecular Dynamics Simulation Studies on Some Phyto-Constituents of Herbs being used as Anti-Dotes against Snake Bites</i> <div style="text-align: right;">Dr. D. Velmurugan University of Madras, Chennai</div>		
TEA BREAK			
Chairperson: Dr. Shandar Ahmad		Co-Chairperson: Dr. M. Karthikeyan	
04.00 pm – 04.45 pm	<i>Data Mining in Structural Bioinformatics</i> <div style="text-align: right;">Dr. K. Sekar IISC, Bangalore</div>		
04.45 pm – 05.30 pm	<i>Molecular dynamics simulation and spectroscopic protein folding: implications in human health care.</i> <div style="text-align: right;">Dr. Md Imtiyaz Hassan Jamia Millia Islamia, New Delhi</div>		

DAY II - 15th February, 2017

Chairperson: Dr. Veejendra K Yadav		Co-Chairperson: Dr. V.K. Langeswaran	
10:00 am – 10:45 am	<i>Dynamics of thiol-based redox metabolism in the liver fluke Fasciola gigantica offer novel targets for drug development</i>	Dr. Timir Tripathi North-Eastern Hill University, Shillong	
10:45 am – 11:30 am	<i>Zika virus: Learning its disordered side of proteome</i>	Dr. Rajanish Giri Indian Institute of Technology Mandi, Mandi	
TEA BREAK			
Chairperson: Dr. Md Imtiyaz Hassan		Co-Chairperson: Dr. J. Joseph Sahayarayan	
11:45 am – 12:30 pm	<i>Lessons from the analysis of crystal structures of associated protein modules</i>	Dr. N. Srinivasan IISC, Bangalore	
12:30 pm – 01:15 pm	<i>Role and scope of bioinformatics in antimicrobial research (In-silico approaches to understand the mechanism of resistance in experimentally confirmed resistant bacterial isolates)</i>	Dr. Anand A. Vellore Institute of Technology, Vellore	
LUNCH			
Chairperson: Dr. Timir Tripathi		Co-Chairperson: Dr. R.M. Vidhyavathi	
02:15 pm – 03:00 pm	<i>Molecular dynamics and normal mode analysis to understanding the mechanism of substrate-entry in prolyl oligopeptides: implications for better drug design</i>	Dr. R. Sowdhamini NCBS, Bangalore	
03:00 pm – 03:45 pm		Mr. Raghu R. Vice President, Schrödinger, USA	
TEA BREAK			
04:00 pm -05:30 pm	<i>Panel Discussion with Renowned Speakers</i>	Chief Guest Prof. Vijayamohan K Pillai Director, CSIR-CECRI, Karaikudi	

WORKSHOP SESSION

VENUE: Department of Bioinformatics, Science Block

DAY III - 16th February, 2017

09.00 am – 07.00 pm	Computational methods and advances in the discovery of small drug designing: <i>Presentation</i>
	Structure Based Virtual Screening of potential inhibitors <i>Presentation, Hands-on and Discussion</i>
	TEA BREAK
	Ligand Based Virtual Screening <i>Presentation, Hands-on and Discussion</i>
	LUNCH & POSTER SESSION
	Presentation on Molecular Modeling studies and success stories <i>Presentation</i>
	Structure Based Lead Optimization <i>Presentation, Hands-on and Discussion</i>
	TEA BREAK
	Ligand Based Lead Optimization <i>Presentation, Hands-on and Discussion</i>
07.00 – 08.00 pm	Hands-on practice session Practice session

DAY IV – 17th February, 2017

09.00 am – 05.00 pm	Computational approaches in designing of biologics and bio-enhancers <i>Presentation</i>
	Homology modeling of unknown targets: case study with kinase receptor and antibody: <i>Presentation, Hands-on and Discussion</i>
	TEA BREAK
	Identifying the hotspots at protein-protein interfaces using protein-protein docking <i>Presentation, Hands-on and Discussion</i>
	LUNCH & POSTER SESSION
	Computational protein engineering for enhancing the binding affinity and properties <i>Presentation, Hands-on and Discussion</i>
	TEA BREAK
	VALEDICTORY FUNCTION