

PROGRAMME SCHEDULE

INAUGURAL FUNCTION

Venue: L.C.T.L. Palaniappa Chettiar Memorial Auditorium, Alagappa University

09.30-10.30 am	REGISTRATION
10.45-12.00 pm	INAUGURAL FUNCTION
	HIGH TEA

PLENARY LECTURES

24 th February, 2015	
Chairperson: Dr. P. Gunasekaran Co-Chairperson: Dr. J. Jeyakanthan	
12.00 -1.00 pm	<i>Telomere Length Maintenance as a Target for Anticancer Drug Discovery</i> Prof. K. Muniyappa Indian Institute of Science, Bangalore
LUNCH	
Chairperson: Dr. A. Anand Co-Chairperson: Dr. Sanjeev Kumar Singh	
02.00-02.40 pm	<i>Bioinformatics tools in explaining the role of medicinal plants in human health care</i> Prof. D. Velmurugan University of Madras, Chennai
02.40-03.20 pm	<i>Protein Structure Analysis</i> Dr. K. Sekar Indian Institute of Science, Bangalore
03.20-04.00 pm	<i>Text Mining and Structural Bioinformatics</i> Dr. N. Jeyakumar Bharathiar University, Coimbatore
HIGH TEA	
Chairperson: Dr. N. Jeyakumar Co-Chairperson: Dr. P. Srinivasan	
04.15-04.55 pm	<i>Recent advances in computational biology in biologics with Schrodinger</i> Mr. R. Raghu Schrodinger, USA

04.55-05.35 pm	<i>Process Techniques in Recombinant Protein Purifications</i> Dr. Srinivasa Babu GE Healthcare Life Sciences
05.35-06.15 pm	<i>Open Source databases for Invasive bacterial diseases: SPGDB and HIGDB</i> Dr. A. Anand VIT University, Vellore

25th February, 2015	
Chairperson: Dr. N. Manoj Co-Chairperson: Dr. M. Karithkeyan	
09.30-10.10 am	<i>Admiring spermidine for its assorted functions: An integrated computational and Biochemical studies</i> Dr. Vikash Kumar Dubey Indian Institute of Technology, Guwahati
10.10-10.50 am	<i>P21 activated kinase-1 : A new druggable target for pancreatic cancers</i> Dr. Suresh Kumar Rayala Indian Institute of Technology, Chennai
10.50-11.30 am	<i>Deciphering the mechanism of action of β-lactam containing polycyclic fused pyrrolidine/pyrrolizidine derivatives against a dental pathogen Enterococcus faecalis using in vitro, in vivo and in silico approach</i> Dr. Ganesh Venkataraman Sri Ramachandra University, Chennai
HIGH TEA	
Chairperson: Dr. Vikash Kumar Dubey Co-Chairperson: Dr. J. Jeyakanthan	
11.45-12.25 pm	<i>Applications of Systems biology in quorum sensing and metagenomics</i> Prof. P. Gautam Anna University, Chennai
12.25-1.05 pm	<i>Binding specificity of protein-protein complexes: Sequence and structural analysis, discrimination and prediction</i> Dr. M. Michael Gromiha Indian Institute of Technology, Chennai
01:05-1:45 pm	<i>Structural and biochemical studies of a SGNH arylesterase</i> Dr. N. Manoj Indian Institute of Technology, Chennai
LUNCH	
Chairperson: Dr. K. Sekar Co-Chairperson: Dr. Sanjeev Kumar Singh	
02.30-3.10 pm	<i>Lipophorin a protein exploited for pest management</i> Prof. M. Krishnan Bharathidasan University, Trichy

WORKSHOP SESSION

26th – 27th February, 2015

VENUE

Department of Bioinformatics
Science Block, Alagappa University

26th February, 2015	
09.00-10.45 am	Introduction to Molecular modeling, Molecular interaction, Thermodynamics & Quantum Mechanics <i>Presentation and Hands on</i>
10.45-11.30 am	Structure –based drug design, Binding site analysis and designing of potential inhibitors against factorXa receptor <i>Presentation and Hands on</i>
HIGH TEA	
11.45-01.15 pm	Structure based Virtual screening for IRAK4 receptor with a concise test Phase database <i>Hands on</i>
LUNCH BREAK & POSTER SESSION	
02.15-03.15 pm	Watermap: Using Hydration Energetics in a Lead Optimisation Case Study of HSP-90 <i>Presentation and Hands-on</i>
03.15-04.00 pm	Conformational sampling of bioactive conformations for kinase receptors using systematic search, Monte -Carlo and Molecular dynamic methods <i>Hands-on</i>
HIGH TEA	
04.15-05.30 pm	Designing IRAK4 receptor with the help of Sitemap <i>Hands-on</i>
05.00-10.00 pm	Practice session
27th February, 2015	
09.00-10.45 am	Protein –protein docking and analysis of protein-protein interaction interface: Case study of PORCINE PANCREATIC TRYPSIN/SOYBEAN TRYPSIN INHIBITOR interactions <i>Presentation and Hands-on</i>
10.45-11.30 am	Modeling of Antibody and, epitope designing <i>Presentation and Hands-on</i>
HIGH TEA	
11.45-1.15 pm	Advances in Ligand-based drug design, Pharmacophore modeling and QSAR <i>Presentation and Hands-on</i>
LUNCH BREAK	
03.00-3.30 pm	VALEDICTORY FUNCTION
03.30-3.45 pm	CERTIFICATE DISTRIBUTION FOR POSTER PRESENTATION
03.45-4.00 pm	VOTE OF THANKS
04.00-8.00 pm	Practice session