

22 February 2012 (Wednesday)

9:00-11:00	Registration- OSCAT 2012 & Poster Hanging (P1 - P42)	
11:00-11:10	WELCOME ADDRESS	
11:10-11:50	Prof. Samir K Brahmachari (DG CSIR & Mentor OSDD)	Inaugural lecture
11:50-12:20	HIGH TEA	
SESSION- I: Inaugural Session Chairperson: Vani Brahmachari		
12:20-13:00	Bernard Munos	Open-Source Therapeutics: An Opportunity for creative disruption
13:00-14:00	LUNCH	
SESSION-II: Bio-Therapeutics & Bioinformatics Chairperson: T.S. Balganes		
14:00-14:40	Girish Sahni	New drug development from old work horses: Lessons from Protein Thrombolytics
14:40-15:20	Geoff Barton	New tools for the analysis of biological sequences
15:20-16:20	TEA/Poster Session(P1 - P42)	
16:20-17:00	K. K Bhutani	Open source Drug Discovery: The role of natural product databases
17:00-17:40	Michael Galperin	Molecular biology databases as essential tools in biomedical research
17:40-18:20	Oral Presentations O1: Dr. Amit Arora O2: Mr Ankit Tripathi O3: Ms. Reema Singh O4: Dr Zahoor Ahmad Parry	
18:20-20:00	Poster Session(P1 - P42)	
20:00	DINNER	

23 February 2012 (Thursday)

SESSION-III: Therapeutic challenges in M. tuberculosis		
Chairperson: Robert Glen		
9:00-9:30	Poster Session(P1 - P42)	
9:30-10:10	T.S. Balganes	Finding new drugs for the treatment of TB-challenges and opportunities
10:10-10:50	Andris JC Steyn	Environmental free radicals and drug-resistant Mycobacterium tuberculosis
10:50-11:10	TEA/Poster Session(P1 - P42)	
11:10-11:50	Abu Salim Mustafa	In-silico analysis and wet-lab experiments to identify -proteins and peptides of Mycobacterium tuberculosis for immunological diagnosis and vaccine development
11:50-12:30	Akhilesh Pandey	Proteomics: From genome annotation to understanding bacterial pathogenesis
12:30-13:10	Oral Presentations	
	O5: Mr. Saravanan P O7: Mr. Shailesh Kumar	O6: Dr. Dibyajyoti Banerjee O8: Mrs Abhilasha Thakur
13:10-14:10	LUNCH	
SESSION-IV: In-silico drug targets		

Chairperson: Geoff Barton		
14:10-14:50	Joel Sussman	Function and structure of Intrinsically Flexible Proteins (IFPs)
14:50-15:30	Vani Brahmachari	Integration of <i>in-silico</i> and experimental analysis: Mining the human genome for the tool kit for developmental gene regulation
15:30-15:50	TEA/Poster Session(P1 - P42)	
SESSION-V: OSDD		
Chairperson: Bernard Munos		
15:50-16:10	Zakir Thomas	Introduction to OSDD
16:10-16:30	S.Ramachandran	1. Computational screening for new inhibitors of <i>M. tuberculosis</i> mycolyltransferases antigen 85 group of proteins as potential drug targets 2. ParallelVSR: a pipeline for parallel virtual screening on R – platform.
16:30-16:50	David Wild	Exploring semantic networks of public data for drug-target prediction
16:50-17:10	Anshu Bhardwaj	Open Source Drug Discovery: Community collaborative experiments and resources
17:10-17:30	Vinod Scaria	Genomics of the Unknown: Translational applications of Hologenome sequencing
17:30-17:50	Andrew Lynn	Using grid computing to provision computational resources for community use in OSDD.
17:50-18:10	Haridas Rhode	OSDD Chemistry
18:10-18:30	U C A Jaleel	Successes and challenges of online Cheminformatics research
18:30-18:50	G P S Raghava	Chemoinformatics tools on CRDD portal
18:50-19:10	Oral Presentations O9: Mr. Manjeet Singh Chalga O10: Dr. M Karthikeyan	
19:10-20:00	Poster Session(P1 – P42) & Poster Take-down(P1 – P42)	
20:00	DINNER	

24 February 2012 (Friday)

SESSION-VI: Chemoinformatics & Drug Design <i>Chairperson: S K Brahmachari</i>		
9:00-9:30	Poster Hanging (P43 – P83) & Poster Session(P43 - P83)	
09:30-10:10	Stephen H. Bryant	PubChem: An open repository for chemical structure and biological activity information
10:10-11:10	TEA/Poster Session(P43 - P83)	
11:10-11:50	Manoj Bhasin	Integration of <i>in-silico</i> and experimental approaches to drive discovery of biomarkers and therapeutics
11:50-12:30	Ahmed Kamal	Development of new antitubercular agents
12:30-13:00	<u>Oral Presentations</u>	
	O11: Dr. Jaya Shukla O12: Mrs. Indrani Mitra O13: Mr. Harinder Singh	
13:00-14:00	LUNCH	
SESSION-VII: Translational Medicine <i>Chairperson: J G Frey</i>		
14:00-14:40	Ena Wang	Paradigm shift in translational medicine powered by computation and bioinformatics

14:40-15:20	Robert Glen	Probing the biology of the Apelin (APJ) receptor through simulation, design, synthesis and pharmacological evaluation
15:20	TEA/Poster Session(P43 – P83)-----CITY TOUR	
20:00	DINNER	
25 February 2012 (Saturday)		
SESSION-VIII: Computer-aided therapeutics		
Chairperson: Ena Wang		
9:00-9:30	Poster Session(P43 - P83)	
09:30-10:10	G P S Raghava	Web services for bioinformatics and chemoinformatics
10:10-10:50	PV Bharatam	Integrated approach to discover γ -shaped PPAR γ agonists
10:50 -11:10	TEA/Poster Session(P43 - P83)	
11:10-11:50	Dinkar Salunke	Molecular mimicry and ligand specificity: Experiences from Immunological investigations
11:50-12:30	Ram Vishwakarma	Efforts on antibacterial drug discovery at CSIR-IIIM
12:30-13:10	Oral Presentations O14: Mr. Sandeep Kumar O15: Ms. Rashmi Kumari O16: Mr. Rudra Narayan Das O17: Mr. Ajay Dara	
13:10-14:10	LUNCH	
SESSION-IX: Web services for translational science		
Chairperson: PV Bharatam		
14:10-14:50	J G Frey	The Semantic Web meets Wet and Dry Chemists
14:50-15:30	Sourav Pal	Hydration behavior of different head groups of phospholipids using Density Functional Theory: A validation from Fukui functions for prediction of active sites of hydration and drugs
15:30-16:00	TEA	
16:00	Concluding session	
20:00	DINNER	