

**NATIONAL CONFERENCE ON OMICS FOR BIOTECHNOLOGY
(NCOB-2012)**

PROGRAMME

Wed, 22 nd February, 2012	
08.30 – 10.00 hrs	Registration
10.00 – 10.30 hrs	Welcome and Inauguration
10.30 - 11.00 hrs	Inaugural address: Prof. P. Pushpangadan, Padma Shri Awardee
11.00 – 11.30 hrs	High Tea
11.30 – 13.00 hrs	Session I Chairperson: Prof. Surendra Ghaskadbi
11.30 – 12.00 hrs	L1: Prof. Santosh Kar, JNU, New Delhi Beyond Genomics and Proteomics : Understanding protein-protein interactions at molecular level
12.00 – 12.30 hrs	L2: Prof. Dinakar Salunke, NII, New Delhi New paradigms in antibody specificity: Structural biology of immune recognition
12.30 – 13.00 hrs	L3: Prof. Shailendra Saxena, CCMB, Hyderabad Recent Swine Flu – Influenza A/H1N1 2009-10: Truth vs Hype
13.00 - 14.00 hrs	Lunch and Poster session 1
14.00 - 15.30 hrs	Session II-Genomics Chairperson: Dr. Sushama Chaphalkar
14.00 -14.30 hrs	L4: Prof. Surendra Ghaskadbi, Agharkar Research Institute, Pune 'Omics' technology starts revealing secrets of the immortal hydra.
14.30 -14.45 hrs	G1: Krishna M Singh Metagenome analysis of the poultry fecal microbiota
14.45 -15.00 hrs	GII: Amit Chakraborty From Ecosystems To Genes: Integrating Metagenomics And Modeling Approaches
15.00 -15.15 hrs	GIII: Sharda Choudhary, R.S.Meena, Ravindra Singh and Vishal M.K RAPD Variants of Indian Varieties of Fenugreek (<i>Trigonella foenum-graecum</i> L.)
15.15 -15.30 hrs	GIV: Alok Prasad Das Omics approach in manganese biomining
15.30 - 17.00 hrs	Session III- Functional Genomics Chairperson: Prof. Rajiv Bhat
15.30 – 16.00 hrs	L5: Prof. R.P. Sharma, University of Hyderabad Induced mutations as a tool to manipulate tomato fruit ripening
16.00 -16.30 hrs	L6: Dr. Tarun Kant, AFRI, Jodhpur Understanding Salt Tolerance Through Gene Expression Pattern Analysis
16.30 -16.45 hrs	FGI: Ashis Das Analysis of transcriptome data from <i>P.falciparum</i> and <i>P.vivax</i> parasites causing severe disease manifestations – interpretations from systems networks and information about host molecules.
16.45 -17.00 hrs	FGII: Prasant Kr. Singh Validation of <i>Brugia malayi</i> Independent Phosphoglycerate Mutase (Bm-iPGM) As Vital Antifilarial Drug Target By RNA Interference (RNAi)

17.00 - 18.15 hrs	Session IV- Structural Genomics Chairperson: Prof. R.P. Sharma
17.00 – 17.30 hrs	L7: Prof. Rajiv Bhat, JNU, New Delhi Structural Genomics and beyond: Stabilizing model globular proteins and intrinsically disordered proteins implicated in disease
17.30 -17.45 hrs	SGI: Suman Singh, BHU, Varanasi Role of Human Leukocyte Antigen Class I and Class II in Indian vitiligo patients
17.45 -18.00 hrs	SGII: MA Kausar, Jamia Hamdard, New Delhi Isolation, Purification and Characterization of Major Allergenic Protein of Mosquito (<i>Culex Quinquefasciatus</i>)
18.00 -18.15 hrs	SGIII: Vishal Singh, CDRI, Lucknow <i>Withania somnifera</i> Chemotypes NMITLI 101R, NMITLI 118R, NMITLI 128R and Withaferin A protect <i>Mastomys coucha</i> From <i>Brugia malayi</i> Infection
19.00 - 20.00 hrs	A glimpse to Rajasthan culture, heritage music and food at Swad ri Dhani

Wed, 23rd February, 2012	
09.00 - 9.30 hrs	Poster Session 2
09.30 – 11.00 hrs	Session V Chairperson: Prof. S.K. Saxena
09.30 - 10.00 hrs	L8: Prof. A.K. Gupta, MKU, Madurai RNAi mediated silencing of a Wall Associated Kinase, OsiWAK1 in <i>Oryza sativa</i> results in impaired root development and sterility due to anther indehiscence
10.00 - 10.30 hrs	L9: Prof. Maheep Bhatnagar, M.L.S.University,Udaipur Understanding mechanism of action of herbal drugs in age related degenerative brain disorders: an in vitro and in vivo approach
10.30 - 11.00 hrs	L10: Dr. Ashwani Pareek, JNU, New Delhi Deciphering the alphabets of stress response in rice using contrasting genotypes
11.00 - 11.15 hrs	Tea Break
11.15 - 13.00 hrs	Session VI- Proteomics, Metabolomics Chairperson: Prof. Maheep Bhatnagar
11.15 – 11.45 hrs	L11: Prof. Suman Kapoor, BITS, Hyderabad Genes, Diet, Environment and Health
11.45 - 12.15 hrs	L12: Prof. R.S. Dubey, BHU, Varanasi Metabolomics and Proteomics in relation to Metal Toxicity and Tolerance Mechanisms in Crop Plants
12.15 -12.30 hrs	PMI: Dharmesh Harwani and S. Mahadevan The β -glucoside (bgl) operon of <i>Escherichia coli</i> is involved in the regulation of oppA encoding an oligo-peptide transporter
12.30 -12.45 hrs	PMII: Savita Yadav Isolation and Identification of Concanavalin A Binding Proteins of Human Seminal Plasma
12.45 -13.00 hrs	PMIII: Suman Khowala Aggregation and co-aggregation of extracellular sucrose and cellobiose in <i>Termitomyces clypeatus</i>
13.00 - 14.00 hrs	Lunch

14.00 - 15.45 hrs	Session VII- Lipidomics, Toxicogenomics, Nutricogenomics , Integromics, Informatics Chairperson: Prof. Suman Kapur
14.00 – 14.30 hrs	L13: Dr. Swaranjit Singh Cameotra, IMTECH, Chandigarh Toxicogenomics: an emerging science to understand toxicity
14.30 -15.00 hrs	L14: Dr. Sushama Chaphalkar, Vidhya Pratishtan, Baramati Traditional knowledge and Biotechnological interventions at VSBT cDNA and EST Sequencing of <i>Aegle marmalos</i> and <i>Syzygium cumini</i>
15.00 -15.15 hrs	LT1: Reena and Krishnamoorthy Docking Studies to Evaluate Anticancer Properties of <i>Allamanda cathartica</i>
15.15 -15.30 hrs	LTII: Asha Rani and Kamlesh Pareek Phylo-gentical Analysis Of Casein Protein Using Computational Method
15.30 - 15.45 hrs	LTIII: Tanwar, N. Kumar, L. Kumar, M. Hameed, M. Osman, M. Ishaq, S.A.H. Naqvi Determination of binding mode of 1, 3, 4- Thiadiazole on Cytochrome P450 2B4: A Virtual Screening & Molecular docking study
15.45 – 16.00 hrs	Session VIII: Oral presentation by the best poster presenter Chairperson: Prof. A.K. Gupta and Prof. Surendra Ghaskadbi
16.00 - 16.30 hrs	Panel discussion Chairperson: Prof. Santosh Kar Topic “Future of Biotechnology Research , Education and products in India ”. Prof. S.K. Saxena, Prof. A.K. Gupta, Prof. Suman Kapur, Prof. R.S. Dubey
16.30 - 17.00 hrs	Valedictory function