

International Conference on Biotechnology and Bioinformatics (ICBB-2014)

1–2 February 2014

Venue: Yashada Auditorium, Baner Road, Pune, India

Saturday, 1st February 2014

08:00 am – Onwards	Registration
09:00 am – 11:00 am	Session 1 (Inaugural session) Chair: Dr. Arun K. Trivedi, CDRI, Lucknow Dr. Stefan Bohlander , Professor, Dept. of Molecular Medicine & Pathology, University of Auckland, New Zealand <i>Metabolomics, MetaboLights and COSMOS</i> Dr. Christopher Steinbeck , Head of Cheminformatics and Metabolism, European Bioinformatics Institute (EMBL-EBI), Wellcome Trust Genome Campus Hinxton, Cambridge, UK Dr. Sambuddha Ghosh , Director, Abgenics Life Sciences Pvt. Ltd., Pune, India
11:00 am – 01:00 pm	Poster Presentation Session – I with Tea/Coffee
01:00 pm – 02:00 pm	Lunch Break
02:00 pm – 04:00 pm	Session 2 Chair: Dr. Christopher Steinbeck, EMBL-EBI, UK <i>Role of Ubiquitin Ligases in Myeloid Leukemia</i> Dr. Arun K. Trivedi , Scientist, Central Drug Research Institute (CDRI), Lucknow, India <i>Regulation of Myeloid Transcription Factors in Hematopoiesis and Leukemic Cancers</i> Dr. Sheo Mohan Singh , Director, International Centre for Stem Cells, Cancer and Biotechnology (ICSCCB), Pune, India <i>The Paradigm of Metabolic Systems Biology: From Metabolic Engineering, Pathogenesis to Personalized Medicine</i> Dr. Anu Raghunathan , Senior Scientist, Chemical Engineering and Process Development, National Chemical Laboratory (NCL), Pune, India <i>Applications of Flow Cytometry in Biotechnology</i> Dr. Hemant Agarwal , Director, Flowcytometry Solutions Pvt. Ltd., Jaipur, India
04:00 pm – 04:25 pm	Tea Break

04:30 pm – 6:30 pm

Session 3

Chair: Dr. Sheo Mohan Singh, ICSCCB, Pune

Big Data in Genomics

Prof. Suhas Doke, International Centre for Stem Cells, Cancer and Biotechnology (ICSCCB), Pune, **India**

Altered DNA methylation of glycolytic and lipogenic genes in liver of obese and type 2 diabetic patients

Dr. Indranil Sinha, Department Biosciences and Nutrition, Karolinska Institutet, Stockholm, **Sweden**

Closing the gaps in metabolomics - Identifying unknown metabolites and mapping onto biochemical pathways

Dr. Kalai Vani Jayaseelan, Cheminformatics and Metabolism, European Molecular Biology Laboratory - European Bioinformatics Institute (EMBL-EBI), Cambridge, **UK**

Dr. Rajesh Singh, Principal Scientist, Genova Biopharmaceuticals Ltd., Pune, **India**

Sunday, 2nd February 2014

08:00 am – Onwards

Registration

09:00 am – 11:00 am

Session 4

Chair: Dr. Rajesh Singh, Genova Biopharma, Pune, India

Molecular Characterization and Variability in Caspase Activating Recruitment Domain 15 gene Associated with Incidence of Clinical Mastitis in Indian Murrah Buffaloes (Bubalus Bubalis)

Dr. Archana Verma, Principal Scientist Dairy Cattle Breeding Division, National Dairy Research Institute, KARNAL, **India**

Effect of organic chromium supplementation on egg production, egg quality and carbohydrate related gene expression in stressed layer birds

Dr. D. Rajendran, Senior Scientist, Division of Animal Nutrition, National Institute of Animal Nutrition and Physiology, Adugodi, Bangalore, **India**

Prokaryotic Expression and Characterization of NS1 Protein of Porcine Parvovirus

Dr. G. Venkatesh, Sr. Scientist (Animal Biotechnology), High Security Animal Disease Laboratory, Indian Veterinary Research Institute, Anand Nagar, Bhopal, **India**

Zinc transporter (tzn1) plays a crucial role in the conidiation process of Neurospora crassa

Dr. P. Kiranmayi, Department of Biochemistry/Bioinformatics, GITAM University, Rushikonda, Visakhapatnam, **India**

The BRCA1-binding protein BRAP2 as a negative regulator of nuclear import in the testis

Dr. Shadma Fatima, Dept. of Biochemistry and Molecular Biology, Monash University, Clayton, Victoria, **Australia**

Protein Myristoylation: An Ubiquitous Regulator for Membrane Targeting

Dr. Sujeet Kumar, Cancer Cluster, Health Science Building, College of Medicine, Saskatoon, **Canada**

Opportunity and caution for drug design against the TA interaction

Dr. Sonika Bhatnagar, Computational and Structural Biology Laboratory, Division of Biotechnology, Netaji Subhas Institute of Technology, Dwarka, New Delhi, **India**

11:00 am – 01:00 pm

Poster Presentation Session – II with Tea/Coffee

01:00 pm – 02:00 pm

Lunch Break

02:00 pm – 04:00 pm

Session 5

Chair: Dr. Sambuddha Ghosh, Abgenics Life Sciences, Pune

Diversity and Biosynthesis of Mango Flavorants and Antinutritional Compounds from Potato and Tomato

Dr. Ashok P. Giri, Senior Scientist, National Chemical Laboratory (NCL), Pune, **India**

Estrogenic activity of isoflavonoid obtained from plant Lawsonia Inermis

Dr. Madhuri Singhal, Professor, Department of Chemistry, Govt. M.L.B. Girls P.G. Autonomous College, Bhopal, **India**

Imatinib Mesylate Inhibits Proliferation And Invasion Of Human Retinoblastoma Cells

Dr. Jasbir Kaur, Department of Ocular Biochemistry, Dr. Rajendra Prasad Centre for Ophthalmic Sciences, All India Institute of Medical Sciences, New Delhi, **India**

Isolation, characterization and membrane permeabilising studies of Brevinin like peptides from the skin secretions of the bicoloured frog Clinotarsus curtipes

Ms. Parvin Abraham, Chemical Biology Laboratory, Division of Molecular Medicine, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram, Kerala, **India**

In-silico Modelling and dynamics Simulation of Human TMEM 50A Protein expressed in Humans during cervical cancer

Ms. Upasna Srivastava, Department of Computational Biology & Bioinformatics, Jacob School of Biotechnology and Bioengineering, SHIATS, Allahabad, **India**

Evaluation of in-vivo hepatoprotective role of alpha ketoglutarate in methotrexate-induced hepatic injury in rats: A ^{99m}Tc-mebrofeninhepatobiliary imaging study

Ms. Lalita Mehra, Department of Nuclear Medicine, Institute of Nuclear Medicine and Allied Science, DRDO, Delhi, **India**

04:00 pm – 04:25 pm

Tea Break

04:30 pm – 5:30 pm

Session 6: Valedictory and Award Ceremony

Dr. Christopher Steinbeck, Head of Cheminformatics and Metabolism, EMBL-EBI, **UK**

Dr. Ashok P. Giri, Senior Scientist, National Chemical Laboratory (NCL), Pune, **India**

Dr. Rajesh Singh, Principal Scientist, Genova Biopharmaceuticals Ltd., Pune, **India**