OMICS Group

Accelerating Scientific Discovery

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International Conference & Exhibition on

Proteomics & Bioinformatics

06-08 June 2011

HICC, Hyderabad, India

Programme

Programme 06-08 June 2011

06 June 2011

9:00AM onwards — Registrations at HICC

Requirements: Receipts/

Confirmation mail

HALL 5&6

10:00AM-10:30AM — Opening Ceremony

Coffeebreak 10:30AM-10:45AM

10:45AM-1:05PM — Keynote Forum

Dr. Richard John Lipscombe

Proteomics International, Australia

Prof. P. Reddanna

University of Hyderabad, India

Dr. Peter Nilsson

KTH - Royal Institute of Technology, Sweden

Prof. Ramesh Akkina

Colorado State University, USA

Prof. James R. Durig

University of Missouri, USA

Dr. Bhagavathla Moorthy

Baylor College of Medicine, USA

Lunch: 1:05PM-2:00PM

HALL 5&6

2:00PM-4:05PM

Track 1-1 : Plant & Animal Proteomics

Coffeebreak: 4:05PM-4:30PM

4:30PM-6:10PM

Track 1-2 : Cellular and Sub Cellular Proteomics

G.01

2:00PM-4:05PM

Track 1-3: Methods in Protein Structure Analysis

Track 1-4: Protein-Protein Interactions

Coffeebreak: 4:05PM-4:30PM

4:30PM-7:00PM

Track 2 : Human Proteome Technologies

Track 3 : Biomedical Informatics

07 June 2011

9:00AM onwards — Registrations at HICC

Requirements: Receipts/

Confirmation mail

G.01

10:00AM-12:30PM

Track 4 : Disease Proteomics

Coffeebreak: 11:15AM-11:40AM

Lunch: 1:00PM-2:00PM

2:00PM-3:40PM

Track 5 : Exploiting Proteome Bioinformatics & Drug Development

Track 6 : Biopharmaceuticals and Gene Therapy

Coffeebreak: 4:05PM-4:30PM

08 June 2011

9:00AM onwards — Registrations at HICC

Requirements: Receipts/

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G.01

10:00AM-12:45PM

Track 7 : Practical Applications of Proteomics in Medicine

Track 8.3 : High-Throughput Image Analysis

Coffeebreak: 11:15AM-11:40AM

Lunch: 1:00PM-2:00PM

2:00PM-5:20PM

Track 8.1 : Environmental Toxicology and Proteomics

Track 8.2 : Modeling Biological Systems

Track 8.4 : Structural Bioinformatic Approaches

Coffeebreak: 3:15PM-3:40PM

G.02

10:00AM-12:30PM

Track 9 : Sequence Analysis & Alignment

Track 10 : Applications & Tools for Protein Structure Predictions

Lunch: 1:00PM-2:00PM

06 June 2011

9:00AM onwards — **Registrations at HICC**

Requirements: Receipts/ Confirmation mail

HALL 5&6

10:00AM-10:30AM — **Opening Ceremony**

Honourable Guests:

Dr. Richard John Lipscombe
Proteomics International, Australia

Prof. P. Reddanna
University of Hyderabad, India

Dr. Peter Nilsson
KTH - Royal Institute of Technology, Sweden

Prof. Ramesh Akkina
Colorado State University, USA

Prof. James R. Durig
University of Missouri, USA

Dr. Bhagavathla Moorthy
Baylor College of Medicine, USA

Dr. Amit kumar
BioAxis DNA Research Centre Pvt Ltd, India

Coffeebreak 10:30AM-10:45AM

HALL 5&6

Keynote Forum

10:45AM-11:05AM — **Dr. Richard John Lipscombe**
Proteomics International, Australia

11:05AM-11:25AM — **Prof. P. Reddanna**
University of Hyderabad, India

11:25AM-11:45AM — **Dr. Peter Nilsson**
KTH - Royal Institute of Technology, Sweden

11:45AM-12:05PM — **Dr. Bhagavathla Moorthy**
Baylor College of Medicine, USA

12:05PM-12:25PM — **Prof. James R. Durig**
University of Missouri, USA

12:25PM-12:45PM — **Prof. Ramesh Akkina**
Colorado State University, USA

12:45PM-1:05PM — **Dr. Amit kumar**
BioAxis DNA Research Centre Pvt Ltd, India

Lunch: 1:05PM-2:00PM

HALL 5&6

Track 1-1 : Plant & Animal Proteomics

Session Introduction

2:00PM-2:25PM — **Title: Dynamic proteome signatures in gametes and early embryos**

Dr. Georg J. Arnold
Ludwig-Maximilians-Universitaet Muenchen, Germany

2:25PM-2:50PM — **Title: Implications of calmodulin-binding proteins in heat shock response in Sorghum**

Dr. Prabhjeet Singh
Guru Nanak Dev University, India

2:50PM-3:15PM — **Title: DSBN PAGE – Novel gel electro phoresis technique for isolation of protein complexes and supercomplexes**

Dr. Saikat Mukherjee
University of Geneva, Switzerland

3:15PM-3:40PM — **Title: Tomato cell wall proteomics**

Dr. Emad H. E Konozy
Centre Inra D'Avignon, France

Coffeebreak 4:05PM-4:30PM

Track 1-2 : Cellular and Sub Cellular Proteomics

4:30PM-4:55PM — **Title: Bioinformatic approaches to study. the functional evolution of organellar proteomes**

Dr. Babu Guda
University of Nebraska Medical Center, USA

4:55PM-5:20PM — **Title: Analyzing the proteome of brain capillary endothelial cells with blood brain barrier phenotype**

Dr. Yannis Karamanos
Artois University, France

5:20PM-5:45PM — **Title: Utilization of databases, soft-wares and World Wide Webs for the identification and characterization of pro teins and their respective transcripts and genes**

Dr. Vijay Barikrao Baladhye
University of Pune, India

5:45PM-6:10PM — **Title: Glycoproteome dynamics in the developing cotton fiber cells**

Dr. Saravanan Kumar
International Centre for Genetic Engineering and Biotechnology (ICGEB), India

G.01

Track 1-3 : Methods in Protein Structure Analysis

Track 1-4 : Protein-Protein Interactions

2:00PM-2:25PM — **Title: Deciphering cellular proteomes by structure-based design and epitope coded SILAC/MS analysis**

Dr. Christian Freund
Freie Universität Berlin, Germany

2:25PM-2:50PM — **Title: Isolation and characterization of targets of calcium sensors**

Prof. Anireddy S.N. Reddy
Colorado State University, USA

2:50PM-3:15PM **Title: Interactomics and transcriptomics as approaches to assign protein function: Novel clues for the human Ki-1/57 in gene expression regulation**

Dr. Gustavo Costa Bressan

Federal University of Viçosa, Brazil

3:15PM-3:40PM **Title: Analysis of protein stability curves to measure stability parameters**

Dr. Asimul Islam

Jamia Millia Islamia University, India

3:40PM-4:05PM **Title: In silico analysis of structural determinants of Bcl-B for its specific interactions with pro-apoptotic proteins**

Dr. Dakshinamurthy Sivakumar

Sastra University, India

Coffeebreak 4:05PM-4:30PM

Track 2 : **Human Proteome Technologies**

Track 3 : **Biomedical Informatics**

Session Introduction

4:30PM-4:55PM **Title: Conformational and structural studies of substituted ethylamines**

Prof. James R. Durig

University of Missouri, USA

4:55PM-5:20PM **Title: TriaGE driven integrative meta-analysis of regional expression dysregulation in cancers**

Dr. R. Krishna Murthy Karuturi

Genome Institute of Singapore, Singapore

5:20PM-5:45PM **Title: Proteomics tools to unravel fungal pathogenesis**

Dr. Sivaramaiah Nallapeta

Bruker Daltonics, India

5:45PM-6:10PM **Title: Dynamics of low molecular weight proteome and peptidome during the cotton fiber development**

Dr. V Siva Reddy

International Centre for Genetic Engineering and Biotechnology-New Delhi, India

6:10PM-6:35PM **Title: Study of multifunctional nature of ox-ox in sorghum bicolor by using wet lab and in silico methods**

Dr. Vijay Dangi

Maharshi Dayanand University, India

6:35PM-7:00PM **Title: Predicting gene expression from unevenness in codon usage**

Dr. Siddhartha Sankar Satapathy

Tezpur University, India

HALL 5&6

Poster Session

Day 1: Afternoon - [1:30PM-3:00PM]
Poster Nos.: 1-10

07 June 2011

9:00AM onwards **Registrations at HICC**

Requirements: Receipts/ Confirmation mail

G.01

Track 4 : **Disease Proteomics**

Session Introduction

10:00PM-10:25PM **Title: Identification and localization of nitrated cochlear proteins in Cisplatin mediated ototoxicity**

Dr. Samson James Daniel

The State University of New York, USA

10:25PM-10:50PM **Title: Design new type II p38 MAP kinase leads**

Dr. G. Narahari Sastry

Indian Institute of Chemical Technology, Hyderabad, India

10:50PM-11:15PM **Title: High glucose induces secretion of Cyclophilin A by monocytes**

Dr. Surya Ramachandran

Rajiv Gandhi Centre for Biotechnology-Thiruvananthapuram, India

Coffeebreak 11:15AM-11:40AM

11:40PM-12:05PM **Title: Hepatitis B virus X protein impedes the DNA repair**

Dr. P. Pandarinath

Andhra University, India

12:05PM-12:30PM **Title: Differentially expressed proteins and circulating DNA in plasma of Spinocerebellar ataxia (SCA 12) Patients**

Dr. Rajeswari R. Moganty

All India Institute of Medical Sciences-New Delhi, India

Lunch: 1:00PM-2:00PM

Track 5 : **Exploiting Proteome Bioinformatics & Drug Development**

Track 6 : **Biopharmaceuticals and Gene Therapy**

Session Introduction

02:00PM-2:25PM **Title: Macrophage derived factor mediated host defense during Japanese Encephalitis**

Dr. Shailendra K. Saxena

Centre for Cellular and Molecular Biology, India

2:25PM-2:50PM **Title: Detection of estrogen agonist and antagonist by using Nano-FRET technology**

Dr. Eui-Jeon Woo

Korea Research Institute of Bioscience & Biotechnology, Korea

2:50PM-3:15PM **Title: In vitro study of lens regeneration in Rana cyanophlyctis under the influence of vitamin A**

Dr. Sumer Singh

Singhania University, India

3:15PM-3:40PM **Title: Evolutionary epidemiology of HIV-1 subtypes in India: Identification of circulating and unique recombinant forms**

Mr. Ujjwal Neogi

St. John's National Academy of Health Sciences, India

Coffeebreak: 3:40PM-4:00PM

4:00PM-4:25PM **Title: A novel endo-1, 4 ß-xylanase: protein structure analysis and molecular docking**

Dr. Shrivastava S

Padmashree DR. D.Y. Patil University, India

4:25PM-4:50PM **Title: In silico 3-dimensional structure prediction of domain in RNA dependent RNA polymerase protein of Hepatitis E virus**

Dr. Bhawna Rathi

Amity University, India

HALL 5&6

Day 2: Afternoon - [1:30PM-3:00PM]
Poster Nos.: 11-20

Day 2: Afternoon - [3:45PM-4:15PM]
Poster Nos.: 21-30

08 June 2011

9:00AM onwards **Registrations at HICC**
Requirements: Receipts/ Confirmation mail

G.01

Track 7 : **Practical Applications of Proteomics in Medicine**

Track 8.3 : **High-Throughput Image Analysis**

Session Introduction

10:00AM-10:25AM **Title: Deep proteogenomics; High throughput gene validation by multidimensional LC-MALDI MS of proteins from the fungal wheat pathogen *Stagonospora nodorum***

Dr. Richard John Lipscombe

Proteomics International, Australia

10:25AM-10:50AM **Title: A proteome approach to endometriosis: Role of DJ-1**

Dr. S Shivaji

Centre for Cellular and Molecular Biology, India

10:50AM-11:15AM **Title: Is sperm proteomic approach helpful to delineate human infertility?**

Dr. Maciej Kurpisz

Institute of Human Genetics, Poland

Coffeebreak: 11:15AM-11:40AM

11:40AM-12:05PM **Title: Systems-level discovery of the developmental basis for disease**

Dr. Soumyaroop Bhattacharya

University of Rochester, USA

12:05PM-12:30PM **Title: Study on capability of Fourier Transform Infrared (FTIR) spectral characteristics for development of intelligent cervical precancerous diagnostic system**

Dr. Nor Ashidi Mat Isa

Universiti Sains Malaysia, Malaysia

12:30PM-12:45PM **Title: Microarray-Proteomics approaches on the identification of metabolism-related genes in germ cells**

Dr. Deivendran Rengaraj

Seoul National University, Korea

Lunch: 1:00PM-2:00PM

Track 8.1 : **Environmental Toxicology and Proteomics**

Track 8.2 : **Modeling Biological Systems**

Track 8.4 : **Structural Bioinformatic Approaches**

2:00PM-2:25PM **Title: Computational analysis of phosphoproteomics: Progresses and perspectives**

Prof. Yu Xue

Huazhong University of Science and Technology, China

2:25PM-2:50PM **Title: A radial basis function network methodology for species identification in mosquitoes**

Dr. Ch. Venkateswarlu

Indian Institute of Chemical Technology-Hyderabad, India

2:50PM-3:15PM **Title: Stochastic model of coupled cells of blood testosterone regulation**

Dr. R.K. Brojen Singh

Jamia Millia Islamia University, India

3:15PM-3:40PM **Title: A systems biology study on the effect of rapamycin treatment on human cell line**

Dr. Nilanjan Guha

Agilent Technologies India Pvt. Ltd, India

Coffeebreak: 3:40PM-4:05PM

4:05PM-4:30PM **Title: Environmental toxicology from a systems biology perspective**

Ms. N. A. Mahalakshmi Srinivasan

Prashanth Projects Limited, India

4:30PM-4:55PM **Title: Proteomics and Biomarkers – A Systematic Review**

Dr. Ashish Goel

University College of Medical Sciences, India

4:55PM-5:20PM **Title: Improved association rule mining in the analysis of biological data**

Dr. Seema. S

M S Ramaiah Institute of Technology, Bangalore, India

5:20PM-5:20PM **Title: Screening of boatanicals from *Chenopodium ambrosioides* for the control of *Spodoptera litura* using insilico docking studies**

Dr. K. Shobana

Bharathiar University, India

G.01

Track 9 : **Sequence Analysis & Alignment**

Track 10 : **Applications & Tools for Protein Structure Predictions**

Session Introduction

10:00AM-10:25AM **Title: Systematic antigen-array based proteomic profiling**

Dr. Peter Nilsson

KTH - Royal Institute of Technology, Sweden

10:25AM-10:50AM **Title: Prediction of 3D structure of Cathepsin protein of the mosquito *Aedes aegypti*, the vector of chikungunya**

Dr. A.G.Ingale

North Maharashtra University, India

10:50AM-11:15AM **Title: Is carbon decides the evolving proteome?**

Dr. E.Rajasekaran

Karunya University, India

Coffeebreak: 11:15AM-11:40AM

11:40AM-12:05PM **Title: Role of global regulator, Fur, in dictating Salmonella Pathogenicity Island – 1 (SPI1) gene expression in Salmonella typhimurium**

Dr. Supreet Saini

Indian Institute of Technology-Gujarat, India

12:05PM-12:30PM **Title: Design and implementation of a low cost Electrooculogram amplifier**

Dr. V. Mahesh

SSN Institutions- Chennai, India

Lunch: 1:00PM-2:00PM

HALL 5&6

Poster Session

Day 3: Afternoon - [1:30PM-3:00PM]
Poster Nos.: 31-40,61,62

Day 3: Afternoon - [3:45PM-4:15PM]
Poster Nos.: 41-50,63,64

Bookmark your dates

***OMICS Group* 2nd World Congress on**

Proteomics & Bioinformatics

May 14-16 2012 Las Vegas, USA