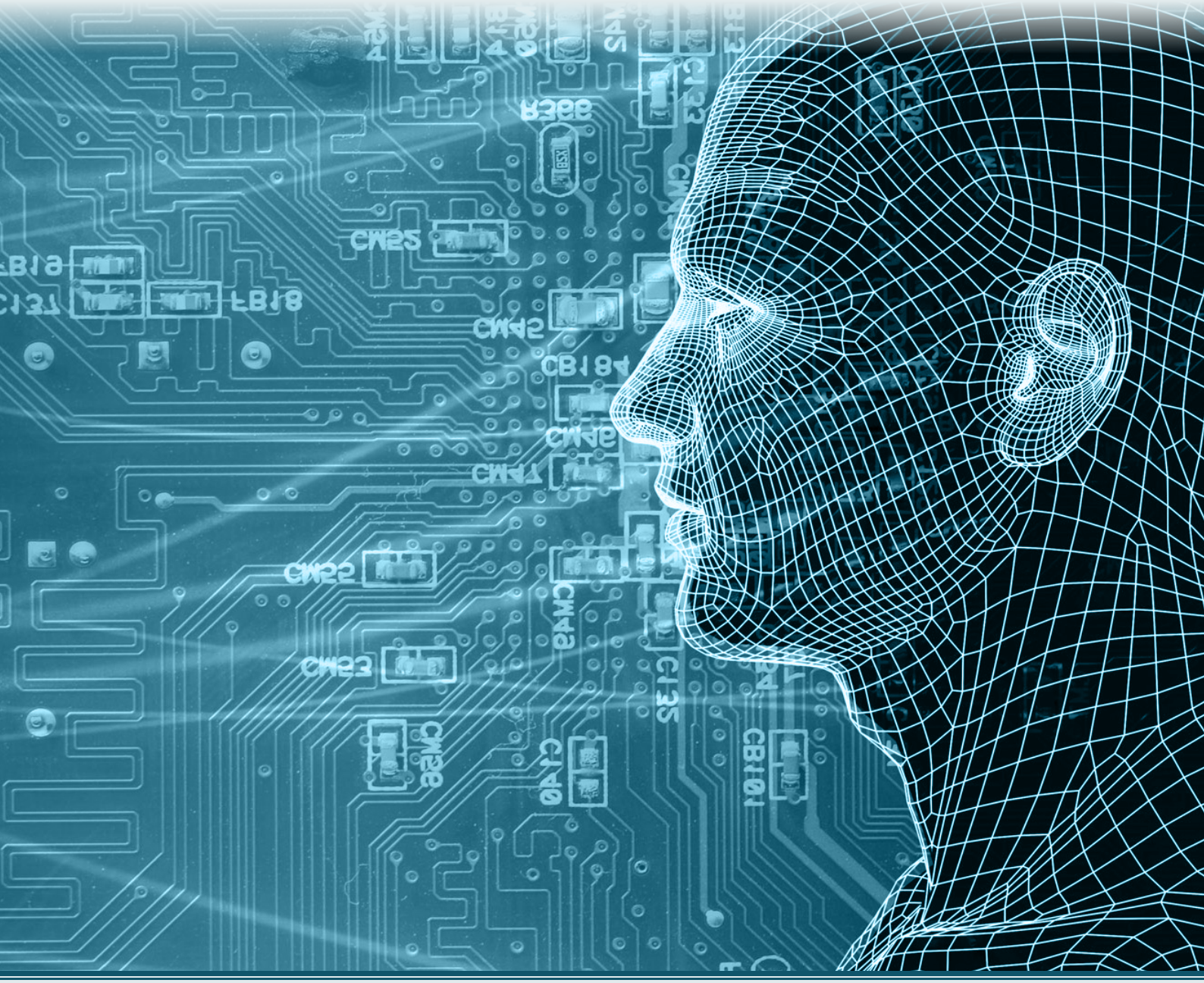
192nd OMICS Group Conference

Scientific Program

OMICS Group Conferences
Accelerating Scientific Discovery

4th International Conference on
Proteomics & Bioinformatics

August 04-06, 2014 Hilton-Chicago/Northbrook, Chicago, USA



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Proposals are invited for organizing Symposia/Workshops at OMICS Group Conferences or OMICS Group will sponsor small events at your universities in related areas under the title of your own. These proposals can be sent to respective conference mail ids or to *symposia@omicsonline.org*

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Day 1 August 04, 2014

08:30-09:30 Registrations

Hickory

09:30-09:55 **Opening Ceremony**

Keynote Forum

09:55-10:00 **Introduction**

10:00-10:25 **Alan J Tackett**
University of Arkansas, USA

10:25-10:50 **Xuequn Chen**
Wayne State University, USA

Group Photo

Coffee Break 11:00-11:15 @ Foyer

Track 1: Proteomics an Overview
Track 2: Current Issues on Proteomics and Bioinformatics
Track 3: Molecular and Cellular Proteomics
Track 4: Applications of Proteomics

Session Introduction

Session Chair: Xuequn Chen, Wayne State University, USA
Session Co-Chair: Chin Chiew Foan, University of Nottingham, Malaysia

11:15-11:35 **$GABA_A$ receptor binding partners in the ER: A role in trafficking to the cell surface**
Jasmina N Jovanovic, UCL School of Pharmacy, Uk

11:35-11:55 **Targeting the human cancer pathway protein interaction network by structural genomics**
Yuanpeng Janet Huang, Rutgers University, USA

11:55-12:15 **Platelet aggregation under a quantitative proteomics point of view: ADP, collagen and ureases as agonists**
Diogo Ribeiro Demartini, Universidade Federal do Rio Grande do Sul. Porto Alegre, RS. Brazil

12:15-12:35 **Application of nanobiotechnology in oncoproteomics**
Sevgi Gezici, Texas A&M University, USA

12:35-12:55 **Oncoproteomics: Development of pharmacodynamic biomarkers and evaluation of the efficay of sorafenib liposomes for the treatment of hepatocellular carcinoma**
Deepshikha Pande Katare, Amity University, India

Lunch Break 12:55-13:40 @ Oaks

13:40-14:00 **Recent advancements in the mass spectrometry-based analysis of protein acetylation changes upon Boron treatment**
Huseyin Cimen, Yeditepe University, Turkey

14:00-14:20 **Molecular docking to find inhibitors for acetylcholinesterase from Drosophila melanogaster**
Jamal Alruwaili, Northern Border University, Saudi Arabia

14:20-14:40 **Comprehensive protein turnover analysis of a partial 15N stable isotope metabolic labelling experiment In Planta: Protein dynamics monitored upon drought stress recovery of *Medicago truncatula***
Stefanie Wienkoop, University of Vienna, Austria

14:40-15:00 **Large scale breast cancer clinical proteomics using high-resolution mass spectrometry and super-SILAC**
Tamar Geiger, Tel Aviv University, Israel

15:00-15:20 **Predicted structural elements of Bcr-Abl oncoprotein isoforms in Chronic Myelogenous Leukemia**
Nadeem A Kizilbash, Northern Border University, Saudi Arabia

Coffee Break 15:20-15:35 @ Foyer

15:35-15:55 **Probing molecular and cellular mechanisms in tissue culture samples of commercial crops using proteomic approach**
Chin Chiew Foan, University of Nottingham, Malaysia

15:55-16:15 **Nispyrtase: a thermostable, N-terminal arginine and lysine specific protease for ≤ 1 hr digestion, simplified peptide fragmentation and increased MS/MS sensitivity**
John P Wilson, Cold Spring Harbor Laboratory, USA

16:15-16:35 **Proteomic aspects of Moroccan cases with early onset Alzheimer disease**
Nadia El Kadmiri, University Hassan II, Morocco

16:35-16:55 **Computational shotgun drug repurposing for myriad diseases**
Geetika Sethi, University of Washington, USA

17:00-17:45 Panel Discussions

18:00-19:00 Cocktails sponsored by **Journal of Proteomics & Bioinformatics @ Oaks**

Day 2 August 05, 2014

Hickory

Keynote Forum

09:00-09:25 **Steven Pelech**
Kinexus Bioinformatics Corporation, Canada

09:25-09:50 **David Sheehan**
University College Cork, Ireland

Track 5: Recent Developments in Proteomic Technology
Track 6: Proteomics in Clinical Research
Track 7: Evolutionary Phylogenetic Networks

Session Introduction

Session Chair: Hesham Ali, University of Nebraska at Omaha, USA
Session Co-Chair: David Sheehan, University College Cork, Ireland

09:50-10:10 **Predicting synergistic drug targets in cancer through molecular networks**
Uma Shankavaram, National Cancer Institute, USA

10:10-10:30 **A targeted protein-based plasma biomarker approach demonstrates the feasibility of mass spectrometry to discriminate between patients with and without colorectal cancer**
Jeff Jones, Applied Proteomics Inc., USA

10:30-10:50 **Application of proteomic tools in assessment of soybean protein variance**
Savithiry S Natarajan, University of Maryland, USA

Coffee Break 10:50-11:05 @ Foyer

11:05-11:25 **JUMP: A Tag-based database search program for peptide identification by mass spectrometry**
Xusheng Wang, St. Jude Childrens Research Hospital, USA

11:25-11:45 **Issues and solutions for the quantification of post-translational or induced protein modifications**
Martine Cadene, Centre de Biophysique Moléculaire, CNRS France

11:45-12:05 **A mass spectrometry driven proteomics approach identifies new protein families involved in regeneration**
Mario Looso, Max Planck Institute for Heart and Lung Research, Germany

12:05-12:25 **High performance computing and private clouds for bioinformatics applications**
Hesham H Ali, University of Nebraska, USA

12:25-13:25 **Workshop on**
"Meta-analysis of Human Cancers with OncoNET-An Open-Access, On-line Knowledge Base for Human Cancer Gene Mutation and expression"
Steven Pelech, Kinexus Bioinformatics, Canada

Lunch Break 13:25-14:10 @ Oaks

Track 8: Onco Proteomics
Track 9: Genomics

Session Chair: Hesham Ali, University of Nebraska at Omaha, USA
Session Co-Chair: David Sheehan, University College Cork, Ireland

14:10-14:30 **Understanding the binding affinites of the sulfonanilide derivaties on aromatase**
Shailima RD Vardhini, Osmania University, India

14:30-14:50 **Enzyme-pathway metabolic network analysis of hypertriglyceridemia**
V Srinivasa Rao, Andhra University, India

14:50-15:10 **A proteomic approach to investigate specific traits in Tunisian barley accessions with contrasting salinity tolerance**
Rahma Jardak-Jamoussi, Biotechnology Center of Borj Cedria (CBBC) Lab, Tunisia

15:10-15:30 **Molecular cloning, expression, purification and characterization of 37 kDa serine protease activation in pupal midgut of silkworm, Bombyx mori**
M Krishnan, Bharathidasan University, India

Coffee Break 15:30-15:45 @ Foyer

15:45-16:05 **Association analysis of Type 2 Diabetes proteins interaction network**
K Srinivas, Andhra University, India

16:05-16:25 **Mass spectrometry-based quantitative proteomics for the investigation of chromatin plasticity and epigenetic regulation**
Tiziana Bonaldi, European Institute of Oncology, Italy

16:25-17:25	**Workshop on "Computational Analysis (MaxQuant and Perseus)"** **Tamar Geiger,** Tel Aviv University, Israel
	Poster Presentations @ Oaks
	Panel Discussion & Prize Distrubtion
18:30-19:30	Cocktails Sponsored by **Journal of Pharmacogenomics & Pharmacoproteomics @ Oaks**

Day 3 August 06, 2014

Hickory

Track 10: Computational Biology
Track 11: Biopharmaceuticals and Gene Therapy
Track 12: Application of Bioinformatics

Session Introduction

Session Chair: Alexander Statsyuk, Northwestern University, USA
Session Co-Chair: Fuad Fares, University of Haifa, Israel

09:30-09:50	**An omics approach to purifying vascular progenitor cells for therapeutic potential** **Claudine S Bonder,** SA Pathology & University of South Australia, Australia
09:50-10:10	**Novel drug-discovery technology based on intact protein masspectrometry** **Alexander Statsyuk,** Northwestern University, USA
10:10-10:30	**Genotype-to-phenotype mapping in post GWAS world** **Sergey V Nuzhdin,** University of Southern California, USA
	Coffee Break 10:30-10:45 @ Foyer
10:45-11:05	**The role of proteomics in discovery of tumor biomarkers** **Sevgi Gezici,** Texas A&M University, USA
11:05-11:25	**Toxicity evaluation of carbon nanotubes in J774 mouse macrophages utilizing a proteomic approach** **Dharani Das,** Environmental Health Science and Research Bureau, Canada
11:25-11:45	**Supervised pattern recognition of different coffee products** **Mohamed F AlAjmi,** King Saud University, Saudi Arabia
11:45-12:05	**Inhibitors against resistant markers: A molecular and computational biology approach** **Asad U Khan,** Aligarh Muslim University, India
12:05-12:25	**The role of oligosaccharides on structure-function of glycoprotein hormones; Development of agonists and antagonists** **Fuad Fares,** University of Haifa, Israel
12:25-12:45	**Cochlear protein nitration in acquired hearing loss** **Samson James Daniel,** Wayne State University, USA
	Lunch Break 12:45-13:30 @ Oaks
13:30-13:50	**Identification and differential expression profiling of MicroRNAs from white and red muscles of siniperca chuatsi** **Jianshe Zhang,** Changsha University, China
13:50-14:10	**Survey of cloud computing in bioinformatics** **Savitha Parur Venkitachalam,** Western Michigan University, USA
14:10-14:30	**Determination of enzymatic action mechanisms of protein extracts obtained from the mushroom MM1-UDEA involved on *Mycosphaerella fijiensis* Morelet growth inhibition** **Mounica Arias,** University of Antioquia, Colombia
14:30-14:50	**Molecular detection and genotyping of Human parechovirus from clinical sample of children with gastroenteritis** **Farideh Ghazi,** University of Medical Sciences, Iran
14:50-15:10	**Scientific software solution modelling using Butterfly model** **Zeeshan Ahmed,** University of Wuerzburg, Germany

Bookmark your dates

OMICS Group Conferences
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5th International Conference on
Proteomics & Bioinformatics
September 14-16, 2015 Florida, USA

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