Tentative Program

12th International Conference on

Advancements in Bioinformaticsand Drug Discovery

November 26-27, 2018 Dublin, Ireland



Interactive Sessions

Keynote Lectures

Plenary Lectures

Workshops

Exhibitors

B2B Meetings

For available speaker slots

https://bioinformatics.conferenceseries.com/

12th International Conference on Advancements in Bioinformatics and Drug Discovery
November 26-27, 2018 Dublin, Ireland

PROGRAM AT A GLANCE

Day 1

Morning Sessions	Reception/Reg	08.00-09.00
	Time	General Session
		Inaugural Address
	Key note Talks	Keynote Talk 1
		***Keynote Slot Available**
		***Keynote Slot Available**
	Panel Discussions/Group Photo	
	Coffee/Tea Break 10.45-11.00 (Networking)	
	11.00-12.40	Session Tracks
		Oral Presentaion
	Lunch Break 12.40-13.30	
Afternoon Session	13.30-15.30	Session Tracks
		Oral Presenation
	Coffee/Tea Break 15.30-15.45 (Networking)	
	15.45-17.25	Workshop

Day 1 Concludes

Day 2

Morning Sessions	Time	Session 1
	09.00-10.40	Oral Presentation
		5 more Speaker Slots are Available
	Coffee/Tea Break 10.40-10.55 (Networking)	
	10.55-12.35	Oral Presentation
		5 more Speaker Slots Available
Afternoon Sessic	Lunch Break 12.35-13.25	
	13.25-15.05	Oral Presentation
	Poster Sessions	
	Coffee/Tea Break 15.05-15.20 (Networking)	
	15.20-17.00	Oral Presentation
	NOTE: Program Schedule is subject to change with final allotment of the speaker slots	

Conference Highlights

- Epitranscriptomics
- Bioinformatics and computational biology
- Systems Biology in Bioinformatics
- Theoretical Biology & Bioinformatics
- Pan Genomics
- Emerging Trends in Proteomics
- Biodiversity informatics
- Emerging Trends in Genomics
- DNA Punctuation
- Biomedical & Health Informatics
- Structural & Evolutionary Bioinformatics
- Moonlighting Proteins
- Bioinformatics Algorithms & Databases
- Immunology and Drug Discovery
- Biomedical Engineering & Imaging
- Biostatistics - An Approach to Bioinformatics
- Clinical Case Reports

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Glimpses













Glimpses












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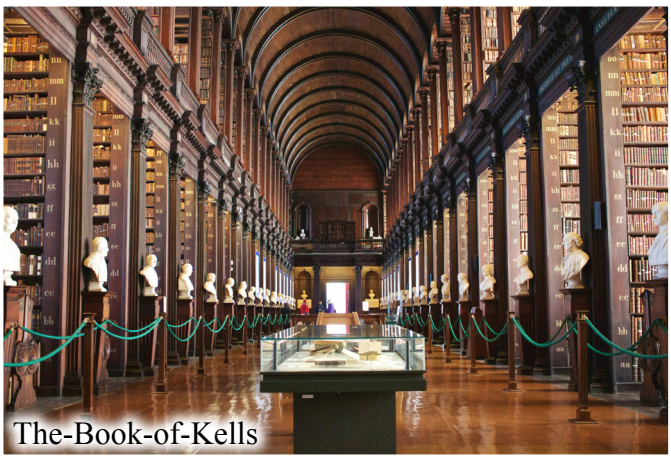
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JOINT EVENT

Proceedings of

9th International Conference and Expo on

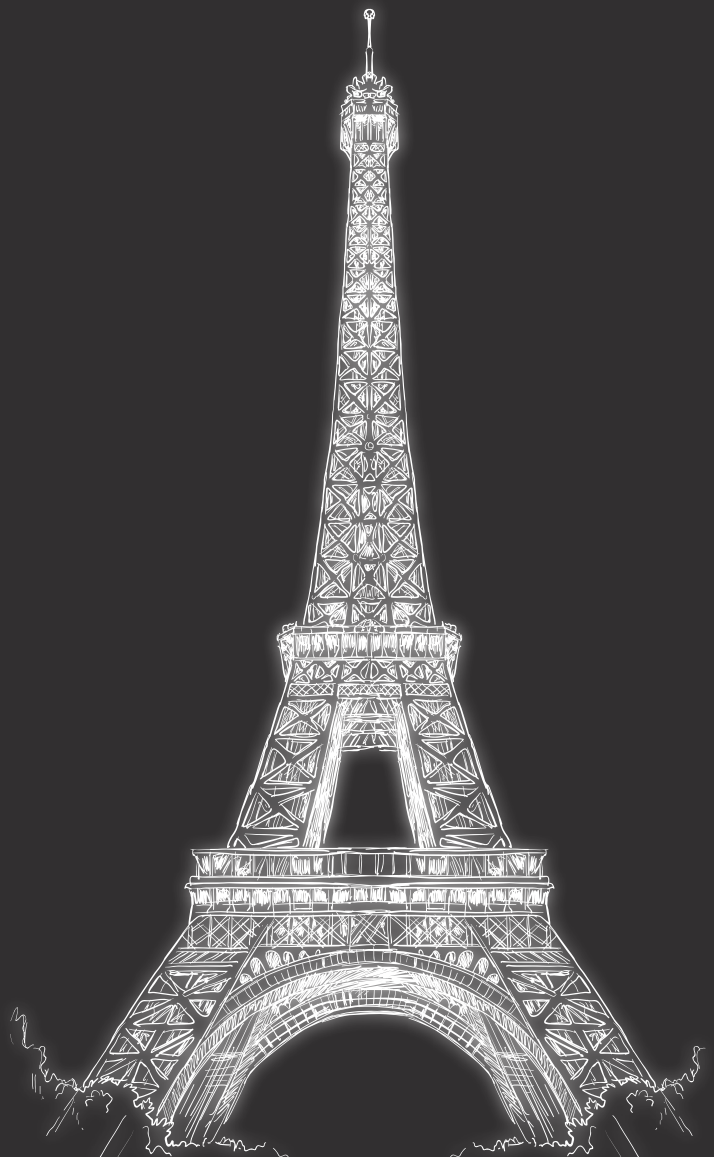
Proteomics & Molecular Medicine

&

9th International Conference on

Bioinformatics

November 13-15, 2017 Paris, France



Registrations

Sunset 2

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Opening Ceremony

Keynote Forum

Introduction

Title: Properties of membrane-less organelles and aqueous two-phase systems

Boris Zaslavsky, Cleveland Diagnostics, USA

Title: Integrative analysis of post-translational protein S-nitrosylation in endothelial cells

Bin Huang, Kaohsiung Medical University, Taiwan

Networking & Refreshment Break

Title: The future of systems medicine: everything you always wanted to know about the "reality" of big data and AI "big mirages" but were afraid to ask

Manuel Gea, Bio-Modeling Systems, France

Sessions: Mass Spectrometry in Proteome Research | Protein Expression and Analysis | Proteomics from Discovery to Function | Proteomics and Molecular Medicine

Session Chair: Ida Chiara Guerrera, INSERM, France

Session Co-chair: Bin Huang, Kaohsiung Medical University, Taiwan

Session Introduction

Title: Strategy for determining clinical biomarker panel

Oliva Petra, Sanofi Genzyme, USA

Title: Proteomics of rare genetic diseases: Impact of cystinosin mutations on protein stability and protein network by dynamic SILAC and interactomics

Ida Chiara Guerrera, INSERM, France

Title: Dynamic changes in the skeletal muscle proteome during denervation-induced atrophy

Marcus Krüger, University of Cologne, Germany

Title: High-sensitivity, high-resolution MS-based quantitative proteomics by manipulation of protein isotope composition *in vivo*

Jean-Michel Camadro, Institut Jacques Monod, France

Title: Application of embryogenic mouse as a platform in identifying human missing proteins

Bin Huang, Kaohsiung Medical University, Taiwan

Group Photo

Lunch Break

Title: Sensitivity, specificity and accuracy of the targeted (SRM) and shotgun (panoramic) mass-spectrometry technologies

Alexander I Archakov, Institute of Biomedical Chemistry, Russia

Title: Fusion protein raised antibodies for evaluating mass spectrometry results

Theo Crosson, Proteintech Group Europe, UK

Title: Mixed proteome analysis to elucidate complex symbiotic interactions

Wataru Aoki, Kyoto Univeristy, Japan

Sessions: Bioinformatics and Computational Biology | Biostatistics - An Approach to Bioinformatics | Immunology and Drug Discovery

Session Chair: Dharmendra K Yadav, Gachon University, South Korea

Session Co-chair: K Venkateswara Swamy, Dr. D Y Patil Biotechnology and Bioinformatics Institute, India

Session Introduction

Title: Synthesis, biological evaluation, and molecular simulation studies of new arylated benzo[h]quinolines compounds as potential anticancer agents
Dharmendra K Yadav, Gachon University, South Korea
Title: From genomics to personalized healthcare
Kathy Tzeng, Optum (UnitedHealth Group), USA

Networking & Refreshment Break

Title: XERp a novel approach to variable selection for classification
Mari van Reenen, North-West University, South Africa
Title: Molecular dynamics simulations and ADME studies of benzopyran class of selective COX-2 inhibitors for inflammatory activity
Saloni, Gachon University, South Korea
Title: Molecular Dynamics based screening for Cag A protein: Using *Quercus brantii* extract substances as lead-like
Fatemeh Khoddam, Islamic Azad University, Iran

Panel Discussion

Day 2 November 14, 2017

Sunset 2

Keynote Forum

Title: Challenging drug target for moonlighting and chameleon proteins
Judit Ovádi, Hungarian Academy of Sciences, Hungary
Title: ClTe-Id as a novel chemoproteomic platform to characterize covalent kinase inhibitors
Jarrod A Marto, Harvard Medical School, USA
Title: From protein to human cities the first and only large-brain mass-societies: structural and functional self-similarity and translation symmetry across time and space?
Magnus S Magnusson, University of Iceland, Iceland

Networking & Refreshment Break

Sessions: Protein Expression and Analysis | Omics Data Integration and Databases | Mass Spectrometry in Proteome Research | Proteomics and its Medicinal Research
Session Chair: Marwa Eltoweissy, Georg August Medical University of Göttingen, Germany and Alexandria University, Egypt
Sesstion Co-Chair: Pavlina Dolashka, Bulgarian Academy of Sciences, Bulgaria

Session Introduction

Title: Short-time increase of glucose concentration in PDS results in extensive removal and high glycation level of vital proteins during continuous ambulatory peritoneal dialysis
Marwa Eltoweissy, Georg August Medical University of Göttingen, Germany and Alexandria University, Egypt
Title: Proteomics analysis of Alzheimer's and antitumor activity of glycoproteins against bladder carcinoma permanent cell lines
Pavlina Dolashka, Bulgarian Academy of Sciences, Bulgaria
Title: Integration of multilevel OMICs data based on the identification of regulatory modules
Theresia Conrad, Hans-Knöll-Institute, Germany
Title: A proteomics strategy to analyze complex traits and gene functions
Yinghong Pan, The National Key Facility for Crop Gene Resources and Genetic Improvement - ICS CAAS, China
Title: STRING v9.1: Edges and nodes provide global functional association to protein crosstalk and integration in urinary proteomes of prostate cancer
Leonora V Autus-Geniston, United Bayanihan Foundation and St. Paul University-Quezon City, Philippines

Lunch Break

Title: Structural view on substrate specificity of dipeptidyl peptidase III (DPP III)
Altijana Hromic, University of Graz, Austria
Title: Proteomic and immunofluorescent evidence for and against the astrocyte-to-neuron lactate shuttle
Dariusz Rakus, University of Wrocław, Poland

Sessions: Bioinformatics and Computational | Bioinformatics Algorithms & Databases

Session Chair: Enass Y Osman, Tanta University, Egypt

Sesstion Co-Chair: Gauri Garg Dhingra, University of Delhi, India

Session Introduction

Title: Molecular modeling, docking, dynamics and simulation of deguelin and its derivatives with cyclin D1 and cyclin E in cancer cell signaling pathway

K Venkateswara Swamy, Dr. D Y Patil Biotechnology and Bioinformatics Institute, India

Title: Drug Repositioning System Using the power of network analysis and machine learning to predict new indications for the approved drugs "Drug Repositioning and rate the level of the drug similarity"

Sherief El Rweney, Royal Holloway, University of London

Poster Presentations

Networking & Refreshment Break

Panel Discussion

Day 3 November 15, 2017

Sunset 2

Sessions: Mass spectrometry in Proteome Research | Proteomics in Biochemistry and Molecular Biology | Proteomics and Molecular Medicine

Title: MSCM- Multiple selective proteo nano cluster mesh coating CD's agonist/antagonist

Lungu N. Claudiu, Babes-Bolyai University, Romania

Title: Isolation and quantification of nanovesicles in isoproterenol-induced myocardial infarcted rats

Aviwe Ntsethe, University of KwaZulu Natal, South Africa

Networking & Refreshment Break

Title: Proteomic-based approaches for the characterization of peptides associated with Alzhemier's disease

Laura Ion, Alexandru Ioan Cuza University, Romania

Title: Stable silencing of IGF1R using lentiviral-mediated shRNA and evaluating sensitivity to immunotherapy with monoclonal antibody rituximab in lymphoma cells

Leila Nasehi, Zanjan University of Medical Sciences, Iran

Title: A Proteomic analysis on human sperm tail: comparison between normozoospermia and asthenozoospermia

Susan Sabbagh, Dezful University of Medical Sciences, Iran

Lunch Break

Awards & Closing Ceremony

Day 2 Poster Presentations

PBC-01	**Title: *ESRP1* has a prognostic value in biochemical recurrence and cancer specific survival of prostate cancer** **Sung Han Kim,** National Cancer Center, South Korea
PBC-02	**Title: Analysis of the leukocytes proteome in atherosclerosis related and non-related to chronic kidney disease** **Joanna Tracz,** Institute of Bioorganic Chemistry, Poland
PBC-03	**Title: Proteomics analysis of proteins associated with urinary tract infections** **Abdullah Essa Alsubhi,** King Abdulaziz University, Saudi Arabia
PBC-04	**Title: The original SPR-based Hsp70 biosensor for rapid quantification and revelation of Hsp70 substrates in complex solution** **Ondrej Pastva,** Institute of Hematology and Blood Transfusion, Czech Republic
PBC-05	**Title: Proteomics analysis of antitumoractivity of Helix and Rapana hemocyanins** **Radostina Velikova,** Bulgarian Academy of Sciences, Bulgaria
PBC-06	**Title: Structural analysis of tegumental allergen-like proteins from *Schistosoma mansoni*** **Sulhee Kim,** Korea University, South Korea

PBC-07
Title: Analysis of differential expression of glycosyltransferase in mouse liver
Kyoungsook Park, Sungkyunkwan University, South Korea

PBC-08
Title: Proteome analysis in breast cancer cells reveals differential expression of signatures involved in pre-mRNA alternative splicing events in response to 17b-estradiol and CRH
Siti Sarah Hamzah, University of Warwick, UK

PBC-09
Title: Rapid identification of contaminating bacteria protein profile present in ethanol fermentation process by matrix-assisted laser desorption/ionization (MALDI)
Juliana Guimarães Fonseca, University of Sao Paulo, Brazil

PBC-10
Title: Retrospective analysis of 25 immunohistochemical tissue markers for differentiating multilocular cystic renal neoplasm of low malignant potential and multicystic renal cell carcinoma
Sung Han Kim, National Cancer Center, South Korea

PBC-11
Title: Impact of sequential passage on overall protein expression using proteomic analysis
Mohammed Sulaiman Al-Hajouj, King Abdulaziz University, Saudi Arabia

PBC-12
Title: Seminal plasma proteins in castrated stallions: partial results
Priscilla Nascimento Guasti, Sao Paulo State University, Brazil

PBC-13
Title: A novel method for identification of hemoglobin variants by modified sample preparation followed by LC coupled with MALDI MS/MS
Pushpanjali Dasauni, University of Delhi, India

PBC-14
Title: Clinical trials and evaluation of Cardiac ultrasonography over 4G wireless network using a tele-operated robot
Sotiris Avgousti, Cyprus University of Technology, Cyprus

PBC-15
Title: Ser 81 of Natronomonas pharaonic halorhodopsin plays a role of holding chloride ions near the Schiff base
Yuko Sakajiri, Iwate University, Japan

PBC-16
Title: Development of duplicated-indel based biomarker for AML diagnosis
Seo Hyein, Korean Advanced Institute of Science and Technology, South Korea

PBC-17
Title: Genome analysis of Sphingopyxis flava R11H^{T}: An overview of genetic attributes
Gauri Garg Dhingra, University of Delhi, India

PBC-18
Title: Potential role of celecoxib and omega-3 fatty acids as adjuvant therapy with risperidone in experimentally-induced schizophrenia: Possible effects on Lysosomal membrane integrity and neuroinflammation
Enass Y Osman, Tanta University, Egypt

PBC-19
Title: Hippocampal neural proteins interaction of Alzheimer's peptide: 14-3-3 zeta as potential therapeutic biomarker
Pratibha Sharma, All India Institute of Medical Sciences, India

PBC-20
Title: Modulation of melanoma cell proliferation and spreading by novel small molecular weight bioactive compound
Qurat-ul-Ain, Dr. Panjwani Center for Molecular Medicine and Drug Research - ICCBS, Pakistan

PBC-21
Title: A proteomic analysis of human follicular fluid: novel candidate markers for oocyte number and reproductive aging
Maryam Bahmanzadeh, Hamadan University of Medical Sciences, Iran

PBC-22
Title: First report of Colistin Resistance (MCR-1) Gene in *Escherichia coli* and *Klebsiella pneumoniae* Isolated from Clinical Specimens in Khartoum, Sudan
Nahed Adam, Sudan University of Science and Technology, Sudan

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7th International Conference on

Proteomics & Bioinformatics

October 24-26, 2016 Rome, Italy

Scientific Program



Registrations

Olimpica 1

conferenceseries.com 08:30-09:00

Opening Ceremony

Keynote Forum

Introduction

Title: Solvent interaction analysis: A new approach to structure-focused clinical proteomics
Boris Zaslavsky, Cleveland Diagnostics, USA

Title: Glycomics work-flows for the characterization of vaccine glycoprotein antigens
John F Cipollo, Center for Biologics Evaluation and Research-USFDA, USA

Title: Systematic analysis of liver cancer metabolism - Lessons from mice and humans
Stefan Kempa, Berlin Institute for Medical Systems Biology - MDC Berlin, Germany

Title: Quantitative measurement of cellular events with image processing and data mining for drug discovery, therapy and system biology
Petra Perner, Institute of Computer Vision and Applied Computer Sciences, Germany

Group Photo

Networking and Refreshment Break

Sessions:

Protein Expression and Analysis | Cancer and Clinical Proteomics | Proteomics for Bioinformatics

Session Chair: Wendy Sandoval, Genentech, Inc., USA
Session Co-chair: Nekane Guarrotxena, Spanish National Research Council, Spain

Session Introduction

Title: Quantification of non-cognate pairs resulting from single cell bispecific antibody assembly using high resolution intact mass measurement
Wendy Sandoval, Genentech, Inc., USA
Title: Moonlighting microtubule-associated proteins: Regulatory functions by day and pathological functions at night
Judit Ovádi, Hungarian Academy of Sciences, Hungary
Title: Temporal and spatial T-patterns in behavior and DNA: Is the structure of DNA reflected in the structure of neuronal and human behavior?
Magnus S Magnusson, University of Iceland, Iceland
Title: The antioxidant protein PARK7 plays an important role in cell resistance to cisplatin induced apoptosis in case of clear cell renal cell carcinoma
Marwa Eltoweissy, University of Göttingen, Germany
Title: Solution structure of CUBO, a novel domain that preferentially binds the ubiquitin-like protein NEDD8
Elena Santonico, University of Rome Tor Vergata, Italy
Title: Sensitive, selective and accurate response of plasmonic bead platforms in high-throughput biomarker screening
Nekane Guarrotxena, Spanish National Research Council, Spain

Lunch Break

Title: Next generation protein sequencing (NGPS) enables rapid full-length *de-novo* antibody and other protein sequence determination
Alon Savidor, Weizmann Institute of Science, Israel
Title: Allosteric modulation: The Hsp70 case study
Federica Chiappori, Istituto di Tecnologie Biomediche-Consiglio Nazionale delle Recerche, Italy
Title: Proteomics analysis of rat serum seeking for new transporters across blood-brain barrier
Eunjoo Kim, Daegu Gyeongbuk Institute of Science and Technology, South Korea

Workshop

Detection of recurrent self-similar structured clusters in human and neuronal interactions, DNA and proteins: T-Pattern Analysis (TPA) with Theme™

Magnus S Magnusson, University of Iceland, Iceland

Sessions:

Evolutionary & Structural Bioinformatics | Emerging Trends in Proteomics & Genomics | Frontiers of Systems Biology in Bioinformatics

Session Chair: Alexandru G Floares, SAIA-Solutions of Artificial Intelligence Applications, Romania

Session Co-chair: Elena Papaleo, Danish Cancer Society Research Center, Denmark

Session Introduction

Title: Of men and not mice: Comparative genomic analysis of human diseases and mouse models

Wenzhong Xiao, Stanford University School of Medicine, USA

Networking and Refreshment Break

Title: The impact of functional redundancy on molecular signatures

Alexandru G Floares, SAIA-Solutions of Artificial Intelligence Applications, Romania

Title: The mast cell has much in store for us: A call to bioinformaticians to advance insights into a unique, intriguing but underexplored cell subset of the human body

Magda Babina, Charité University Medicine Berlin, Germany

Title: Structural communication in transcription factors

Elena Papaleo, Danish Cancer Society Research Center, Denmark

Title: GNM 2.0 - A database housing protein dynamics data of >11,000 PDB structures revealing dynamics prerequisites for protein functions and interactions

Lee Wei Yang, National Tsing Hua University, Taiwan

Title: Mathematical modelling of evolution of tetranucleotide usage patterns of whole bacterial genomes to improve phylogenetic inferences

Xiaoyu Yu, University of Pretoria, South Africa

Title: ADPredict: ADP-ribosylation sites prediction based on physicochemical and structure descriptors

Matteo Lo Monte, Institute of Protein Biochemistry (IBP-CNR), Italy

Panel Discussions

Day 2 October 25, 2016

Olimpica 1

Keynote Forum

Introduction

Title: Multi-level self-similarity from cells to insect and human societies: Socio-proteomics as a possible source of ideas and guidance for a general bio-social science?

Magnus S Magnusson, University of Iceland, Iceland

Title: Fragments, fragmentome and fragmentomics in proteomics

Alexander A Zamyatnin, A.N. Bach Institute of Biochemistry, Russia; Universidad Técnica Federico Santa Maria, Chile

Sessions:

Cancer and Clinical Proteomics | Mass Spectrometry in Proteome Research | Proteomics from Discovery to Function | Plant Proteomics

Session Chair: Bart Devreese, Ghent University, Belgium

Session Co-Chair: Pavel Vítámvás, Crop Research Institute, Czech Republic

Session Introduction

Title: Effects of natural compounds and proteins on solvent properties of aqueous media

Boris Zaslavsky, Cleveland Diagnostics, USA

Title: Laser microdissection in proteomic analysis

Mauro Baron, Leica Microsystems, Italy

Title: Fecal (meta) proteomics: A tool to investigate dysbiosis and inflammation in patients with cystic fibrosis

Bart Devreese, Ghent University, Belgium

Networking and Refreshment Break

Title: Quantitative proteomic analysis of prostate cancer for biomarker discovery and drug target identification

Amilcar Flores Morales, University of Copenhagen, Denmark

Title: Quantitative proteomics and pharmacokinetic modeling in the optimisation of drug dosing

Jill Barber, University of Manchester, UK

Title: Analysis of cereal response to abiotic stress using gel-based proteomics

Pavel Vítámvás, Crop Research Institute, Czech Republic

Title: Potential use of reciprocal levels of serum and urinary peptides for discriminating prostate cancer from benign prostatic hyperplasia

Jaime Jacqueline Jayapalan, University of Malaya, Malaysia

Poster Presentations

Lunch Break

Workshop

Disease specific databases for personalized medicine: Fabry disease as a case of study

Maria Vittoria Cubellis, University of Naples, Italy

Sessions:

Immunology and Drug Discovery | Bioinformatics Algorithms & Databases | Clinical Informatics & Biostatistics

Session Chair: Nabil Mili, University of Geneva, Switzerland

Session Co-Chair: Tamas Hegedus, Semmelweis University, Hungary

Session Introduction

Title: Translating genomic biomarker findings into clinical medicine: Dimension of the problem, network structure of competing models, and estimate of the misclassification prediction error

Nabil Mili, University of Geneva, Switzerland

Title: PhyQuart-A new algorithm to avoid systematic bias & phylogenetic incongruence: Are directed quartets the key for more reliable supertrees?

Patrick Kück, The Natural History Museum London, UK

Title: VHL-Hunter: A predictor of the impact of missense mutations in the function of the Von Hippel-Lindau protein (pVHL), risk of clear cell renal carcinoma and severity of pVHL-associated diseases

Alvaro Olivera-Nappa, University of Chile, Chile

Title: Big data in noncoding RNA and precision medicine

Runsheng Chen, Institute of Biophysics, Chinese Academy of Sciences, China

Networking and Refreshment Break

Title: *In silico* modeling of ABCG2/BCRP structure and dynamics sheds light on xenobiotic recognition and transport function

Tamas Hegedus, Semmelweis University, Hungary

Title: Probability sampling in matched case-control study in drug abuse

Surya Raj Niraula, B P Koirala Institute of Health Sciences, Nepal

Title: Structural implications of protease mutations in antiretroviral treatment exposed patients infected with HIV-1 subtype C

Veronna Marie, University of KwaZulu-Natal, South Africa

Title: Designer protein enriched with large neutral amino acids: A new approach for treating phenylketonuria

Prakruthi Appaiah, CSIR-Central Food Technology Research Institute, India

Title: Remote patient triage and prioritization in mobile telemedicine services

Omar Hussein Salman, Al Iraqia University, Iraq

Panel Discussions

Day 3 October 26, 2016

Olimpica 1

Special Session

Glycomics characterization of influenza hemagglutinin glycoprotein antigens

John F Cipollo, Center for Biologics Evaluation and Research-USFDA, USA

Sessions:

Proteomics in Protein Biochemistry and Personalized Medicine | Neuroproteomics & Neurometabolomics | Proteomics Case Study and Integrating Transcriptomics | Cancer and Clinical Proteomics

Session Chair: Serhiy Souchelnytskyi, Qatar University, Qatar

Session Co-Chair: Veronica Anania, Genentech, Inc., USA

Session Introduction

Title: Systemic properties of proteome profiles of carcinogenesis of human breast epithelial cells, and clinical applications of these profiles

Serhiy Souchelnytskyi, Qatar University, Qatar

Title: Unraveling of gene expression control in genome-reduced bacteria

Vadim Govorun, Federal Research and Clinical Center of Physical-Chemical Medicine of Federal Medical Biological Agency, Russia

Networking and Refreshment Break

Title: Quantitative proteomic approaches for identifying urinary biomarkers in Lupus nephritis

Veronica Anania, Genentech, Inc., USA

Title: Protein profile of seminal plasma and functionality of spermatozoa during the reproductive season in common carp *Cyprinus carpio* and rainbow trout *Oncorhynchus mykiss*

Anna Shaliutina-Kolesova, University of South Bohemia České Budějovice, Czech Republic

Title: Effect of therapeutic concentration of lithium on living HEK293 cells; alteration of overall protein composition

Miroslava Vosahlikova, Institute of Physiology of the Czech Academy of Sciences, Czech Republic

Title: Comparative proteomic analysis of fibrosarcoma and skin fibroblast cell lines

Hamdi Uysal, Ankara University, Turkey

Lunch Break

Title: PRMT1 modulates gene expression during DNA damage response, through R-methylation of histones and non-histone targets

Daniele Musiani, European Institute of Oncology, Italy

Title: Proteomic analysis of protein composition of rat forebrain cortex exposed to morphine for 10 days: Comparison with animals exposed to morphine and subsequently nurtured for 20 days in the absence of this drug

Hana Ujcikova, Institute of Physiology-Czech Academy of Sciences, Czech Republic

Title: Analysis of screening and bioinformatics of antithrombotic peptides in casein molecules from bovine milk

Maolin Tu, Harbin Institute of Technology, China

Title: Proteomic characterization of apoptosis process in *Entamoeba histolytica*: Identification of pro- and antiapoptotic proteins

Guillermo Pérez Ishiwara, Instituto Politécnico Nacional, México

Title: Texture and gene expression analysis of the brain in detection of Alzheimer's disease

Alhadi Bustamam, University of Indonesia, Indonesia

Awards & Closing Cermony

Day 2 Poster Presentations

PBP-01

Title: Quantification of drug-metabolising enzymes in human liver microsomes: A comparison between label-free profiling and targeted quantitative analysis

Zubida Al-majdoub, University of Manchester, UK

PBP-02

Title: Mass spectrometry in forensic identification of two main potential agents of bioterrorism and warfare: Botulinum toxins and ricin

Valerie Morineaux, Direction générale de l'Armement, France

PBP-03

Title: Nitric oxide synthases and acute sleep deprivation

Zdenka Kristofikova, National Institute of Mental Health, Czech Republic

PBP-04

Title: Expression and purification of membrane scaffold proteins for the design of discoidal phospholipid bilayer nanoparticles

Ramona Bosch, University of Hohenheim, Germany

PBP-05

Title: Proteomic analysis of endothelial to mesenchymal transition controlled by snail

Marta Stasiak, Medical University of Lodz, Poland

PBP-06

Title: An analysis of norovirus genome using next-generation sequencing

Jeong-Su Lee, National Institute of Food and Drug Safety Evaluation, Republic of Korea

PBP-07

Title: Identification and characterization of proteoglycans in early stages of fibrosis

Katarzyna Gawrys, Medical University of Lodz, Poland

PBP-08

Title: Quantitative analysis of prostate specific antigen isoforms using immunoprecipitation and stable isotope labeling mass spectrometry

Sung-Fang Chen, National Taiwan Normal University, Taiwan

PBP-09 **Title: Molecular studies of scorpion toxins interactions with calcium-activated potassium channels**

Alena Dmitrievna Volyntceva, Lomonosov Moscow State University, Russia

PBP-10 **Title: Development of RNA standardized controls for quantitative detection of rotavirus and astrovirus by realtime RT-PCR**

Kyu-Heon Kim, Ministry of Food & Drug Safety, Republic of Korea

PBP-11 **Title: Comparative NanoUPLC-MS^E analysis between magainin I-susceptible and -resistant *Escherichia coli* strains**

Marlon Henrique e Silva Cardoso, Universidade de Brasília, Brazil

PBP-12 **Title: Application of N-terminal fusion protein partners for prokaryotic soluble expression of human VEGF165 and its simple purification with maltose binding protein tag**

Minh Tan Nguyen, University of Ulsan, South Korea

PBP-13 **Title: Role of fibrosin in the endothelial to mesenchymal transition**

Marcin Popielarski, Medical University of Lodz, Poland

PBP-14 **Title: Using entrapment sequences strategy for evaluation of database search engines and quality control methods in shotgun proteomics**

Jie Ma, Beijing Proteome Research Center, China

PBP-15 **Title: Proteomic approach to determine the biological variation of oil palm fruit mesocarp**

Benjamin Lau, Malaysian Palm Oil Board, Malaysia

PBP-16 **Title: Neonatal immune challenges affect behaviour, cytokine profiles and brain morphology parameters in adult rats**

Hana Tejkalová, National Institute of Mental Health, Czech Republic

PBP-17 **Title: A wiki-based web server for human disease**

Tao Chen, National Center for Protein Sciences, China

PBP-18 **Title: Profiling of osteosarcoma serum leads to identification of proteins involved in modulation of $\alpha 4\beta 1$ integrin expression in osteosarcoma cells migration**

Fadzliza Hafiza Ramli, Universiti Teknologi MARA, Malaysia

PBP-19 **Title: A proteomic road to acquire an accurate serological diagnosis for human tegumentary leishmaniasis**

Hélida Monteiro de Andrade, Simone Pires, Federal University of Minas Gerais, Brazil

PBP-20 **Title: Proteome reorganization of the bacterium upon invasion of a host cell as a mechanism of adaptation: A *Mycoplasma gallisepticum* model**

Matyushkina Daria, Federal Research and Clinical Centre, Russia

PBP-21 **Title: Evaluation of disulfide scrambling at various pH on Avastin digestion by mass spectrometry**

Yi-Li Huang, National Taiwan Normal University, Taiwan

PBP-22 **Title: Apoptotic induction in *Entamoeba histolytica*: Differential proteomic analysis deals with the identification of pro and antiapoptotic proteins**

Gómez-García Consuelo, Escuela Nacional de Medicina y Homeopatía, Mexico

PBP-23 **Title: Quantitative analysis of medulloblastoma using tandem mass spectrometry**

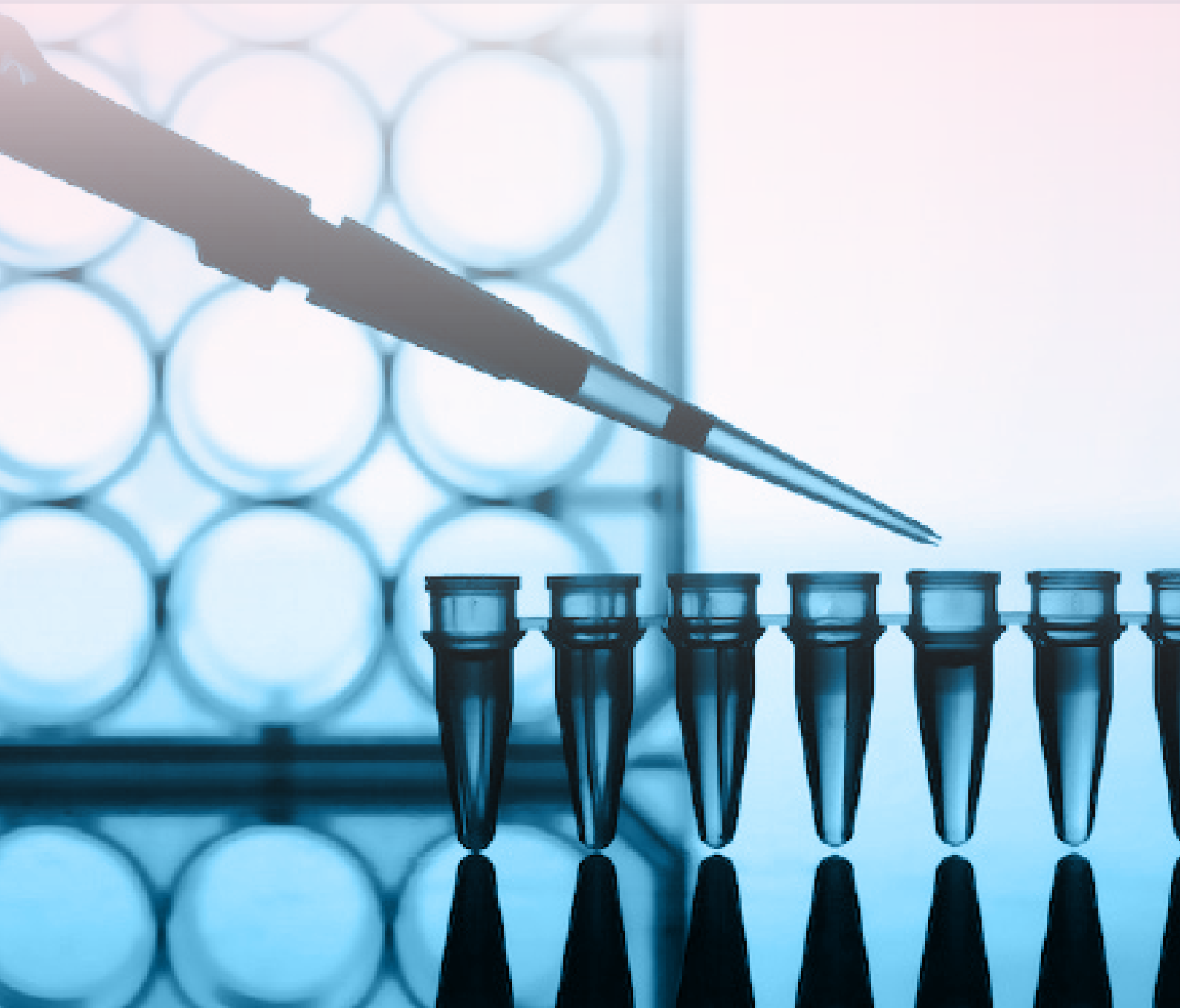
Marta Nekulova, Masaryk Memorial Cancer Institute, Czech Republic

PBP-24 **Title: Transforming growth factor-beta1- and insulin-dependent regulation of carcinogenic transformation is in line with proteome profiling and identification of TGFbeta and insulin as keynodes of carcinogenic transformation of MCF7 cells**

Fatima Saoud Al-Mouhannadi, Reem Saeed Mubarak, Qatar University, Qatar

PBP-25 **Title: Whole transcriptome analysis reveals that Zika virus halts cell cycle progression and disrupts neuronal differentiation in human neurospheres**

João Lídio da Silva Gonçalves Vianez Júnior, Evandro Chagas Institute, Brazil

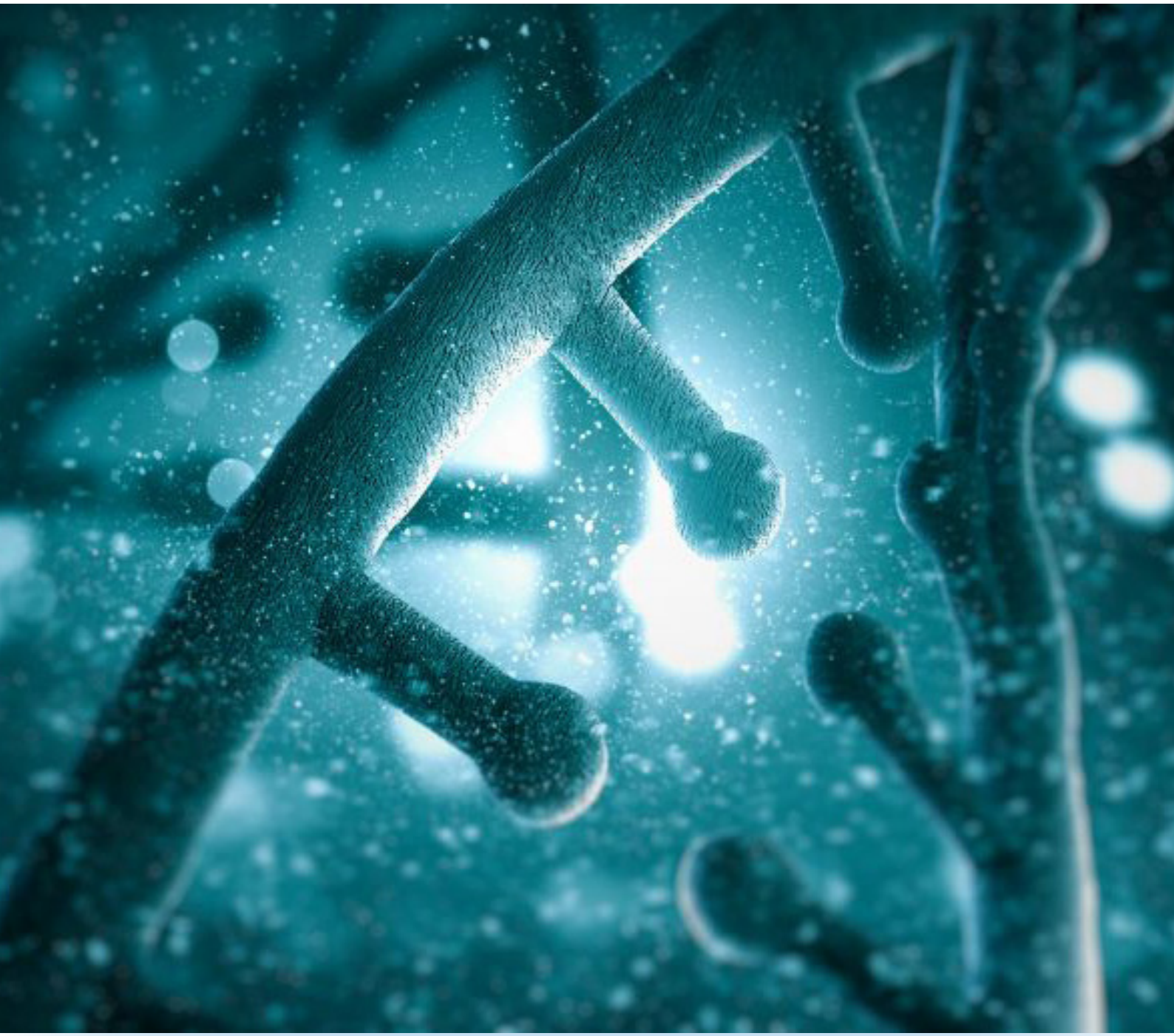


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Registrations

Melia Meeting 4-5

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Opening Ceremony

Keynote Forum

Introduction

Peter Nilsson
KTH-Royal Institute of Technology, Sweden

Ida Pucci Minafra
University of Palermo, Italy

Networking & Refreshments Break

Track 1: Proteomics from Discovery to Function
Track 2: Mass Spectrometry in Proteome Research
Track 3: Proteome

Session Chair: Patricia Sampaio Tavares Veras, Fundacao Oswaldo Cruz (FIOCRUZ), Brazil
Session Co-Chair: Sara Motta, National Research Council, Italy

Session Introduction

Title: Neuroproteomic profiling reveals anoctamin 2 as an autoimmune target in multiple sclerosis
Peter Nilsson, KTH-Royal Institute of Technology, Sweden
Title: Improved SERS nanodumbbells design for femtomolar-sensitive screening disease-associated biomarkers
Nekane Guarrotxena, CSIC-Institute of Polymer Science and Technology, Spain
Title: Mass spectrometry-based approach coupled to computational tools for proteomics investigation of bacterial membrane
Sara Motta, National Research Council, Italy
Title: Proteomics analysis of infected murine macrophages reveals modulation of proteins potentially involved in Leishmania intracellular survival
Patrícia Sampaio Tavares Veras, Gonçalo Moniz Research Center- FIOCRUZ, Brazil
Title: Commercialization of a plasma amino acid based risk diagnosis service
Takeshi Kimura, Ajinomoto Co., Inc., Japan
Title: DNA-Affinity purification followed by mass spectrometry (AP-MS): Application to the analysis of transcriptional regulators interacting with a defined DNA sequence
Patricia Renard, University of Namur, Belgium
Title: Integrating bioinformatic analyses and omics approaches for cloning and recombinant production of major allergens from Polybia paulista venom
Amilcar Perez-Riverol, Sao Paulo State University, Brazil

Group Photo

Lunch Break

Session Chair: Nekane Guarrotxena, CSIC-Institute of Polymer Science and Technology, Spain
Session Co-Chair: Mohamad Khairi Zainol, Universiti Malaysia Terengganu, Malaysia

Title: High disease burden in human synaptic protein complexes identified by proteomics and bioinformatics
Alex Bayes, Biomedical Research Institute Sant Pau, Spain
Title: A mass spectrometry driven proteomics approach identifies new protein families involved in regeneration
Mario Looso, Max Planck Institute for Heart and Lung Research, Germany
Title: Deciphering the binding characteristics of DppA-dipeptide interaction by site directed mutagenesis
Mohamad Khairi Zainol, Universiti Malaysia Terengganu, Malaysia
Title: Exploring neighborhoods of ubiquitinated proteins with proximity-utilizing biotinylation
Arman Kulyyassov, National Center for Biotechnology, Kazakhstan

Young Researchers Forum

Title: Circulating proteins revealed to be associated to knee radiographic OA
Lucia Lourido Salas, Instituto de Investigacion Biomedica de A Coruna, Spain
Title: Proteomic characterization of Vancomycin-resistant Enterococci clinical strains
Luis Pinto, University of Tras-os-Montes and Alto Douro, Portugal

Networking & Refreshments Break

Title: Producing recombinant poly-γ-glutamic acid as 'mortar' of biomimetic nacre
Nadine Bongaerts, Delft University of Technology, The Netherlands
Title: *In silico* screening of anti-malarial from Indonesian medicinal plants database to plasmepsin target
Eko Aditya Rifai, Universitas Indonesia, Indonesia
Title: A novel prediction model for different post-translational modifications: GEARS (genetic evolution of classifier by learning residues rules of sequences)
Zeeshan Iqbal, Institute of Molecular Sciences and Bioinformatics, Pakistan
Title: Anti-bacterial activity of a mixture of garlic extracts (Allium sativum) and skimmed milk in clinical isolates
Dalha Wada Taura, Bayero University, Nigeria

Video Presentation

Title: Meta-analysis of RAG2 using a genotranscriptomic/proteomic approach: Suggestive of its oncogenic role
Abbas Salavaty, Shahid Chamran University of Ahvaz, Iran

Panel Discussion

Day 2 September 02, 2015

Melia Meeting 4-5

Keynote Forum

Magnus S Magnusson
University of Iceland, Iceland
Laszlo Takacs
Biosystems International, Hungary

Track 5: Analytical Genomics and Proteomics
Track 6: Molecular Modeling and Drug Design
Track 7: Systems Biology Applications in Proteomics
Track 12: Proteomics Clinical Applications

Session Chair: Ida Pucci Minafra, University of Palermo, Italy
Session Co-Chair: Magnus S Magnusson, University of Iceland, Iceland

Session Introduction

Title: Navigating the 3D biological space – The bioGPS approach
Lydia Siragusa, Molecular Discovery Limited, UK
Title: Alterations of the proteome and transcriptome in induced sputum samples from smokers and early-stage COPD subjects
Thomas Schneider, Philip Morris International, Switzerland

Networking & Refreshments Break

Title: The T-pattern and structural and functional self-similarity from human and neuronal interactions to DNA
Magnus S Magnusson, University of Iceland, Iceland
Title: Heterologous expression of β-ketoacyl ACP synthase 1 of *Salmonella Typhi* in *Escherichia coli*
Hasni Arsad, Universiti Sains Malaysia, Malaysia
Title: Understanding protein structure and domains from a network perspective: Functional and evolutionary implications
Arnold Emerson Isaac, Vellore Institute of Technology University, India
Title: Phosphoproteomic screening for biomarkers and novel targets finding in early breast cancer
Miguel Quintela-Fandino, Spanish National Cancer Research Center, Spain

Track 10: Recent Advancements in Proteomics

Session Chair: Laszlo Takacs, Biosystems International, Hungary
Session Co-Chair: Jozsef Lazar, Biosystems International Kft, Hungary

Session Introduction

Title: ELISA-analog plasmonic nanostructures for ultrasensitive biomarkers identification
Nekane Guarrotxena, CSIC-Institute of Polymer Science and Technology, Spain
Title: Discovery and translation of epitomics biomarkers: Towards diagnostics
Jozsef Lazar, Biosystems International Kft, Hungary

Lunch Break

Title: Proteomic analysis of carbapenem resistant *Klebsiella pneumoniae* strain in response to meropenem stress: Understanding cellular responses for survival
Asad U Khan, Aligarh Muslim University, India
Title: Current applications of mass spectrometry in clinical microbiology
Raju Ravikumar, National Institute of Mental Health and Neuro Sciences, India
Title: Stereoelectronic effect in amino acids and its influence on modification potential of proteins: *In silico* approach
Nasir Uddin, Institute of Molecular Sciences and Bioinformatics, Pakistan

Poster Presentations

Networking & Refreshments Break

Workshop

Title: Proteomics in biotherapeutic development: Therapeutic characterization, pharmacokinetic studies, pharmacodynamics and support to process development
Andreu Soldevila, Leanbio SL, Spain
Title: Analytical characterization for novel biological entities and biosimilars
Alastair Waugh, 3P Biopharmaceuticals, Spain
Title: Mass spectrometry approach for characterization of biotherapeutics from a CRO point of view
Carles Celma Lezcano, Kymos Pharma Services, Spain

Panel Discussion

Day 3 September 03, 2015

Melia Meeting 4-5

Track 10: Recent Advancements in Proteomics

Session Chair: Tiziana Bonaldi, European Institute of Oncology, Italy
Session Co-Chair: Nekane Guarrotxena, CSIC-Institute of Polymer Science and Technology, Spain

Session Introduction

Title: Quantitative proteomics for epigenetics: MS-based analysis of the histone post-translational modifications for basic and clinical research
Tiziana Bonaldi, European Institute of Oncology, Italy
Title: Markers found in macrophages using proteomics can function as targets for chemotherapeutic intervention of *Leishmania* infection
Patrícia Sampaio Tavares Veras, Gonçalo Moniz Research Center- FIOCRUZ, Brazil

Networking & Refreshments Break

Title: Study of the phosphoproteome of the pathogenic yeast *Cryptococcus neoformans var grubii*
Raju Ravikumar, National Institute of Mental Health and Neuro Sciences, India
Title: Network properties of protein domain co-occurrence network
Arnold Emerson Isaac, Vellore Institute of Technology University, India
Title: Comparative proteomic analysis of food related lactobacilli: New evidences
Maria De Angelis, University of Bari Aldo Moro, Italy
Title: Seminal plasma proteomics of Dorper rams from northeastern Brazil
Carlos Eduardo A Souza, Cisne University, Brazil

Lunch Break

Panel Discussion

Poster Presentations

P01 **Title: Improved intact protein quantitation on an orbitrap fusion tribrid mass spectrometer using multiplexed SIM and PRM techniques**
Steven Danielson, Thermo Fisher Scientific, USA

P02 **Title: Secretome proteomic analysis of renal cells treated with the profibrotic agents ANG II, TGFß1 and PDGF: A comparative study**
Marwa Eltoweissy, University Medicine of Gottingen, Germany

P03 **Title: Quantitative proteomics of tear fluid using multiplex peptide stable isotope dimethyl labeling**
Cecilie Aass, Oslo University Hospital, Norway

P04 **Title: Comprehensive proteomic approach for understanding xylem vessel cell differentiation**
Masahiro Noguchi, Nara Institute of Science and Technology, Japan

P05 **Title: Application of proximity utilizing biotinylation method for identification of post-translational modification and ubiquitination in UV-induced DNA repair**
Arman Kulyyassov, National Center for Biotechnology, Kazakhstan

P06 **Title: Identification and characterization of tissue-specific kinome profiles**
Brenden Van Wyk, University of Saskatchewan, Canada

P07 **Title: Palladin, a novel end MT biomarker?**
Kataryna Gawrys, Medical University of Lodz, Poland

P08 **Title: *In silico* analysis of non-synonymous single nucleotide polymorphisms of BMBR2 (PPH1) gene and demonstration of gene's network interactions**
Mohamed Taha, University of Khartoum, Sudan

P09 **Title: Study of the compartmentalization of cell using proximity utilizing enzymatic ligation**
Arman Kulyyassov, National Center for Biotechnology, Kazakhstan

P10 **Title: *In silico* analysis of single nucleotide polymorphism in FBN1 gene and study of genetic interaction**
Mohanad Khalid Ali Abdelrahim, University of Khartoum, Sudan

P11 **Title: Seminal plasma and sperm membrane protein profile of Quarter Horse stallions**
Priscilla Nascimento Guasti, Sao Paulo State University, Brazil

P12 **Title: Single nucleotide polymorphisms (SNPs) in human *abetalipoprotein epsilon* 4 (APOE e4) gene as a cause of Alzheimer's disease: *In silico* analysis**
Abdelmohaymin A A Abdalla, University of Khartoum, Sudan

P13 **Title: Comparison of protein extraction buffers of bovine sperm**
Caroline Scott, Sao Paulo State University, Brazil

P14 **Title: Genetic basis of steroid resistance in nephrotic syndrome NPHS2: A computational study**
Khalid El. Khalid, University of Khartoum, Sudan

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