Tentative Program

12th International Conference on

Bioinformatics

November 26-27, 2018 Dublin, Ireland

***For available speaker slots***

### Day 1

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Tracks</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.00-09.00</td>
<td>General Session</td>
</tr>
<tr>
<td></td>
<td>Inaugural Address</td>
</tr>
<tr>
<td></td>
<td>Keynote Talk 1</td>
</tr>
<tr>
<td></td>
<td><em><strong>Keynote Slot Available</strong></em></td>
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<tr>
<td></td>
<td><em><strong>Keynote Slot Available</strong></em></td>
</tr>
<tr>
<td>11.00-12.40</td>
<td>Oral Presentation</td>
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<tr>
<td></td>
<td><strong>5 more Speaker Slots are Available</strong></td>
</tr>
<tr>
<td>12.35-13.25</td>
<td>Lunch Break</td>
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<td></td>
<td>Coffee/Tea Break</td>
</tr>
<tr>
<td>12.40-13.30</td>
<td><strong>5 more Speaker Slots Available</strong></td>
</tr>
<tr>
<td>13.30-15.30</td>
<td>Oral Presentation</td>
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<tr>
<td>15.45-17.25</td>
<td>Workshop</td>
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</tbody>
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### Day 2

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Tracks</th>
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<tbody>
<tr>
<td>09.00-10.40</td>
<td>Oral Presentation</td>
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<tr>
<td></td>
<td><strong>5 more Speaker Slots are Available</strong></td>
</tr>
<tr>
<td>10.40-11.00</td>
<td>Coffee/Tea Break</td>
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<tr>
<td>10.45-11.00</td>
<td>Oral Presentation</td>
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<tr>
<td>10.55-12.35</td>
<td><strong>5 more Speaker Slots Available</strong></td>
</tr>
<tr>
<td>12.35-13.25</td>
<td>Lunch Break</td>
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<tr>
<td>13.25-15.05</td>
<td>Oral Presentation</td>
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<tr>
<td>15.05-15.20</td>
<td>Coffee/Tea Break</td>
</tr>
<tr>
<td>15.20-17.00</td>
<td>Oral Presentation</td>
</tr>
</tbody>
</table>

**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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Proceedings of
9th International Conference and Expo on

PROTEOMICS & MOLECULAR MEDICINE

&

9th International Conference on

BIOINFORMATICS

November 13-15, 2017
Paris, France
### Keynote Forum

<table>
<thead>
<tr>
<th>Title</th>
<th>Speaker</th>
<th>Institution/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Properties of membrane-less organelles and aqueous two-phase systems</td>
<td>Boris Zaslavsky</td>
<td>Cleveland Diagnostics, USA</td>
</tr>
<tr>
<td>Integrative analysis of post-translational protein S-nitrosylation in endothelial cells</td>
<td>Bin Huang</td>
<td>Kaohsiung Medical University, Taiwan</td>
</tr>
<tr>
<td>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</td>
<td>Manuel Gea</td>
<td>Bio-Modeling Systems, France</td>
</tr>
</tbody>
</table>

#### 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

<table>
<thead>
<tr>
<th>Title</th>
<th>Speaker</th>
<th>Institution/Location</th>
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</thead>
<tbody>
<tr>
<td>Strategy for determining clinical biomarker panel</td>
<td>Oliva Petra</td>
<td>Sanofi Genzyme, USA</td>
</tr>
<tr>
<td>Proteomics of rare genetic diseases: Impact of cystinosin mutations on protein stability and protein network by dynamic SILAC and interactomics</td>
<td>Ida Chiara Guerrera</td>
<td>INSERM, France</td>
</tr>
<tr>
<td>Dynamic changes in the skeletal muscle proteome during denervation-induced atrophy</td>
<td>Marcus Krüger</td>
<td>University of Cologne, Germany</td>
</tr>
<tr>
<td>High-sensitivity, high-resolution MS-based quantitative proteomics by manipulation of protein isotope composition in vivo</td>
<td>Jean-Michel Camadro</td>
<td>Institut Jacques Monod, France</td>
</tr>
<tr>
<td>Application of embryogenic mouse as a platform in identifying human missing proteins</td>
<td>Bin Huang</td>
<td>Kaohsiung Medical University, Taiwan</td>
</tr>
</tbody>
</table>

### Group Photo

- Sensitivity, specificity and accuracy of the targeted (SRM) and shotgun (panoramic) mass-spectrometry technologies
  - Alexander I Archakov, Institute of Biomedical Chemistry, Russia
- Fusion protein raised antibodies for evaluating mass spectrometry results
  - Theo Crosson, Proteintech Group Europe, UK
- Mixed proteome analysis to elucidate complex symbiotic interactions
  - Wataru Aoki, Kyoto University, Japan

**Sessions:** Bioinformatics and Computational Biology  
**Bioinformatics - 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

<table>
<thead>
<tr>
<th>Title</th>
<th>Speaker</th>
<th>Institution/Location</th>
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<tbody>
<tr>
<td>Synthesis, biological evaluation, and molecular simulation studies of new arylated benzo[h]quinolines compounds as potential anticancer agents</td>
<td>Dharmendra K Yadav</td>
<td>Gachon University, South Korea</td>
</tr>
</tbody>
</table>
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
Fateme 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: CITe-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
Session 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 Wroclaw, Poland

Sessions: Bioinformatics and Computational | Bioinformatics Algorithms & Databases
Session Chair: Enass Y Osman, Tanta University, Egypt
Session 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 Alzheimer’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

Awards & Closing Ceremony

Lunch Break

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
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

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

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

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

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

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

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

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

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

Title: Genome analysis of Sphingopyxis flava R11H: An overview of genetic attributes
Gauri Garg Dhingra, University of Delhi, India

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

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

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

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

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
7th International Conference on
Proteomics & Bioinformatics
October 24-26, 2016 Rome, Italy
Scientific Program
Day 1  October 24, 2016

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**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 Biologies 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

**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 Ricerche, 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 tetrancleotide usage patterns of whole bacterial genomes to improve phylogenetic inferences

Xiaoyu Yu, University of Pretoria, South Africa

Title: GAUDI MM: Widening the application of genetic algorithms for molecular modeling

Jean-Didier Maréchal, Universitat Autònoma de Barcelona, Spain

Panel Discussions

Day 2 October 25, 2016

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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
### 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

**Disease specific databases for personalized medicine: Fabry disease as a case of study**  
**Maria Vittoria Cubellis**, University of Naples, Italy  

### 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  

**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
Panel Discussions

Day 3  October 26, 2016

Olimpica

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
### Awards & Closing Ceremony

#### Day 2  Poster Presentations

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Presenter</th>
</tr>
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<tbody>
<tr>
<td>PBP-01</td>
<td>Title: Quantification of drug-metabolising enzymes in human liver microsomes: A comparison between label-free profiling and targeted quantitative analysis</td>
<td>Zubida Al-majdoub, University of Manchester, UK</td>
</tr>
<tr>
<td>PBP-02</td>
<td>Title: Mass spectrometry in forensic identification of two main potential agents of bioterrorism and warfare: Botulinum toxins and ricin</td>
<td>Valerie Morineaux, Direction générale de l’Armement, France</td>
</tr>
<tr>
<td>PBP-03</td>
<td>Title: Nitric oxide synthases and acute sleep deprivation</td>
<td>Zdenka Kristofikova, National Institute of Mental Health, Czech Republic</td>
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<tr>
<td>PBP-04</td>
<td>Title: Expression and purification of membrane scaffold proteins for the design of discoidal phospholipid bilayer nanoparticles</td>
<td>Ramona Bosch, University of Hohenheim, Germany</td>
</tr>
<tr>
<td>PBP-05</td>
<td>Title: Proteomic analysis of endothelial to mesenchymal transition controlled by snail</td>
<td>Marta Stasiak, Medical University of Lodz, Poland</td>
</tr>
<tr>
<td>PBP-06</td>
<td>Title: An analysis of norovirus genome using next-generation sequencing</td>
<td>Jeong-Su Lee, National Institute of Food and Drug Safety Evaluation, Republic of Korea</td>
</tr>
<tr>
<td>PBP-07</td>
<td>Title: Identification and characterization of proteoglycans in early stages of fibrosis</td>
<td>Katarzyna Gawrys, Medical University of Lodz, Poland</td>
</tr>
<tr>
<td>PBP-08</td>
<td>Title: Quantitative analysis of prostate specific antigen isoforms using immunoprecipitation and stable isotope labeling mass spectrometry</td>
<td>Sung-Fang Chen, National Taiwan Normal University, Taiwan</td>
</tr>
<tr>
<td>PBP-09</td>
<td>Title: Molecular studies of scorpion toxins interactions with calcium-activated potassium channels</td>
<td>Alena Dmitrievna Volyntceva, Lomonosov Moscow State University, Russia</td>
</tr>
<tr>
<td>PBP-10</td>
<td>Title: Development of RNA standardized controls for quantitative detection of rotavirus and astrovirus by realtime RT-PCR</td>
<td>Kyu-Heon Kim, Ministry of Food &amp; Drug Safety, Republic of Korea</td>
</tr>
<tr>
<td>PBP-11</td>
<td>Title: Comparative NanoUPLC-MS$^6$ analysis between magainin I-susceptible and -resistant Escherichia coli strains</td>
<td>Marlon Henrique e Silva Cardoso, Universidade de Brasília, Brazil</td>
</tr>
<tr>
<td>PBP-12</td>
<td>Title: Application of N-terminal fusion protein partners for prokaryotic soluble expression of human VEGF165 and its simple purification with maltose binding protein tag</td>
<td>Minh Tan Nguyen, University of Ulsan, South Korea</td>
</tr>
<tr>
<td>PBP-13</td>
<td>Title: Role of fibrosin in the endothelial to mesenchymal transition</td>
<td>Marcin Popielarski, Medical University of Lodz, Poland</td>
</tr>
<tr>
<td>PBP-14</td>
<td>Title: Using entrapment sequences strategy for evaluation of database search engines and quality control methods in shotgun proteomics</td>
<td>Jie Ma, Beijing Proteome Research Center, China</td>
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<td>PBP-15</td>
<td>Title: Proteomic approach to determine the biological variation of oil palm fruit mesocarp</td>
<td>Benjamin Lau, Malaysian Palm Oil Board, Malaysia</td>
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<td>PBP-16</td>
<td>Title: Neonatal immune challenges affect behaviour, cytokine profiles and brain morphology parameters in adult rats</td>
<td>Hana Tejkalová, National Institute of Mental Health, Czech Republic</td>
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Title: A wiki-based web server for human disease
Tao Chen, National Center for Protein Sciences, China

Title: Profiling of osteosarcoma serum leads to identification of proteins involved in modulation of α4β1 integrin expression in osteosarcoma cells migration
Fadzliza Hafiza Ramli, Universiti Teknologi MARA, Malaysia

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

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

Title: Evaluation of disulfide scrambling at various pH on Avastin digestion by mass spectrometry
Yi-Li Huang, National Taiwan Normal University, Taiwan

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

Title: Quantitative analysis of medulloblastoma using tandem mass spectrometry
Marta Nekulova, Mosaryk Memorial Cancer Institute, Czech Republic

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

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Email: proteomics@omicsgroup.com; proteomics@conferenceseries.net
Keynote Forum

**Introduction**

*Peter Nilsson*
KTH-Royal Institute of Technology, Sweden

*Ida Pucci Minafra*
University of Palermo, Italy

**Track 1: Proteomics from Discovery to Function**

*Patrícia Sampaio Tavares Veras*, Fundacao Oswaldo Cruz (FIOCRUZ), Brazil

**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

**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
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<td>Day 2, September 02, 2015, Melia Meeting 4-5, University of Tras-os-Montes and Alto Douro, Portugal</td>
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<td>Producing recombinant poly-γ-glutamic acid as 'mortar' of biomimetic nacre</td>
<td>Video Presentation, University of Tras-os-Montes and Alto Douro, Portugal</td>
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<td>In silico screening of anti-malarial from Indonesian medicinal plants database to plasmepsin target</td>
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<td>A novel prediction model for different post-translational modifications: GEARS (genetic evolution of classifier by learning residues rules of sequences)</td>
<td>Panel Discussion, Universitas Indonesia, Indonesia</td>
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<td>Anti-bacterial activity of a mixture of garlic extracts (Allium sativum) and skimmed milk in clinical isolates</td>
<td>Panel Discussion, Bayero University, Nigeria</td>
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<td>Meta-analysis of RAG2 using a genotranscriptomic/proteomic approach: Suggestive of its oncogenic role</td>
<td>Keynote Forum, University of Iceland, Iceland</td>
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<td>Navigating the 3D biological space – The bioGPS approach</td>
<td>Keynote Forum, Molecular Discovery Limited, UK</td>
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<td>Alterations of the proteome and transcriptome in induced sputum samples from smokers and early-stage COPD subjects</td>
<td>Keynote Forum, Philip Morris International, Switzerland</td>
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<td>The T-pattern and structural and functional self-similarity from human and neuronal interactions to DNA</td>
<td>Keynote Forum, University of Iceland, Iceland</td>
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<td>Heterologous expression of β-ketoacyl ACP synthase 1 of Salmonella Typhi in Escherichia coli</td>
<td>Keynote Forum, Universiti Sains Malaysia, Malaysia</td>
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<td>Understanding protein structure and domains from a network perspective: Functional and evolutionary implications</td>
<td>Keynote Forum, Vellore Institute of Technology University, India</td>
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<td>Phosphoproteomic screening for biomarkers and novel targets finding in early breast cancer</td>
<td>Keynote Forum, Spanish National Cancer Research Center, Spain</td>
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<td>ELISA-analog plasmonic nanostructures for ultrasensitive biomarkers identification</td>
<td>Track 10: Recent Advancements in Proteomics, Biosystems International, Hungary</td>
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<td>Discovery and translation of epitomics biomarkers: Towards diagnostics</td>
<td>Track 10: Recent Advancements in Proteomics, Biosystems International, Hungary</td>
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**Networking & Refreshments Break**

**Session Chair:** Ida Pucci Minafra, University of Palermo, Italy

**Session Co-Chair:** Magnus S Magnusson, University of Iceland, Iceland

**Session Introduction**

**Networking & Refreshments Break**

**Session Chair:** Laszlo Takacs, Biosystems International, Hungary

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

**Session Introduction**

**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

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<td>Andreu Soldevila, Leanbio SL, Spain</td>
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<td>Title: Analytical characterization for novel biological entities and biosimilars</td>
<td>Alastair Waugh, 3P Biopharmaceuticals, Spain</td>
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<td>Title: Mass spectrometry approach for characterization of biotherapeutics from a CRO point of view</td>
<td>Carles Celma Lezcano, Kymos Pharma Services, Spain</td>
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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

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<td>Title: Quantitative proteomics for epigenetics: MS-based analysis of the histone post-translational modifications for basic and clinical research</td>
<td>Tiziana Bonaldi, European Institute of Oncology, Italy</td>
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<tr>
<td>Title: Markers found in macrophages using proteomics can function as targets for chemotherapeutic intervention of <em>Leishmania</em> infection</td>
<td>Patrícia Sampaio Tavares Veras, Gonçalo Moniz Research Center- FIOCRUZ, Brazil</td>
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<td>Title: Study of the phosphoproteome of the pathogenic yeast <em>Cryptococcus neoformans</em> var <em>grubii</em></td>
<td>Raju Ravikumar, National Institute of Mental Health and Neuro Sciences, India</td>
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<td>Title: Network properties of protein domain co-occurrence network</td>
<td>Arnold Emerson Isaac, Vellore Institute of Technology University, India</td>
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<td>Title: Comparative proteomic analysis of food related lactobacilli: New evidences</td>
<td>Maria De Angelis, University of Bari Aldo Moro, Italy</td>
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<td>Title: Seminal plasma proteomics of Dorper rams from northeastern Brazil</td>
<td>Carlos Eduardo A Souza, Cisne University, Brazil</td>
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<td><strong>Title:</strong> Improved intact protein quantitation on an orbitrap fusion tribrid mass spectrometer using multiplexed SIM and PRM techniques</td>
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<td><strong>Title:</strong> Quantitative proteomics of tear fluid using multiplex peptide stable isotope dimethyl labeling</td>
<td><strong>Title:</strong> Comprehensive proteomic approach for understanding xylem vessel cell differentiation</td>
<td><strong>Title:</strong> Application of proximity utilizing biotinylation method for identification of post-translational modification and ubiquitination in UV-induced DNA repair</td>
<td><strong>Title:</strong> Identification and characterization of tissue-specific kinome profiles</td>
<td><strong>Title:</strong> Palladin, a novel end MT biomarker?</td>
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<td>Steven Danielson, Thermo Fisher Scientific, USA</td>
<td>Marwa Eltoweissy, University Medicine of Gottingen, Germany</td>
<td>Cecilie Aass, Oslo University Hospital, Norway</td>
<td>Masahiro Noguchi, Nara Institute of Science and Technology, Japan</td>
<td>Arman Kulyyassov, National Center for Biotechnology, Kazakhstan</td>
<td>Brenden Van Wyk, University of Saskatchewan, Canada</td>
<td>Kataryna Gawrys, Medical University of Lodz, Poland</td>
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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

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

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

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

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

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

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