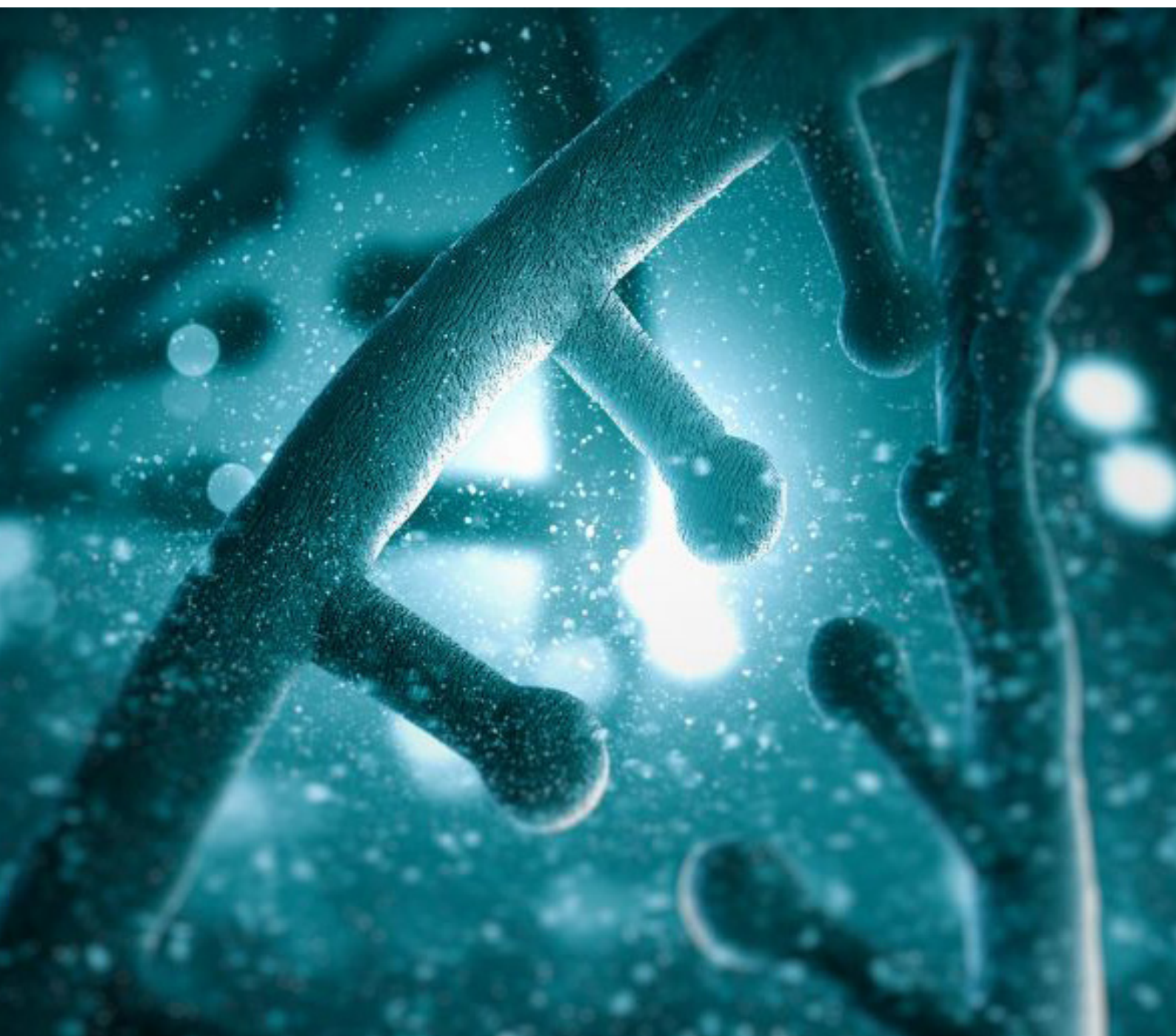


Scientific Program

5th International Conference on

Proteomics & Bioinformatics

September 01-03, 2015 Valencia, Spain



OMICS International Conferences:

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Melia Meeting 4-5



09:00-09:30

Opening Ceremony

Keynote Forum

- 09:30-09:40 **Introduction**
- 09:40-10:05 **Peter Nilsson**
KTH-Royal Institute of Technology, Sweden
- 10:05-10:30 **Ida Pucci Minafra**
University of Palermo, Italy

Networking & Refreshments Break 10:30-10:50 @ Foyer

- 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

- 10:50-11:10 **Neuroproteomic profiling reveals anoctamin 2 as an autoimmune target in multiple sclerosis**
Peter Nilsson, KTH-Royal Institute of Technology, Sweden
- 11:10-11:30 **Improved SERS nanodumbbells design for femtomolar-sensitive screening disease-associated biomarkers**
Nekane Guarrotxena, CSIC-Institute of Polymer Science and Technology, Spain
- 11:30-11:50 **Mass spectrometry-based approach coupled to computational tools for proteomics investigation of bacterial membrane**
Sara Motta, National Research Council, Italy
- 11:50-12:10 **Proteomics analysis of infected murine macrophages reveals modulation of proteins potentially involved in Leishmania intracellular survival**
Patricia Sampaio Tavares Veras, Gonçalo Moniz Research Center- FIOCRUZ, Brazil
- 12:10-12:30 **Commercialization of a plasma amino acid based risk diagnosis service**
Takeshi Kimura, Ajinomoto Co., Inc., Japan
- 12:30-12:50 **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
- 12:50-13:10 **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 13:10-14:00 @ Aqua Restaurant

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

- 14:00-14:20 **High disease burden in human synaptic protein complexes identified by proteomics and bioinformatics**
Alex Bayes, Biomedical Research Institute Sant Pau, Spain
- 14:20-14:40 **A mass spectrometry driven proteomics approach identifies new protein families involved in regeneration**
Mario Looso, Max Planck Institute for Heart and Lung Research, Germany
- 14:40-15:00 **Deciphering the binding characteristics of DppA-dipeptide interaction by site directed mutagenesis**
Mohamad Khairi Zainol, Universiti Malaysia Terengganu, Malaysia
- 15:00-15:20 **Exploring neighborhoods of ubiquitinated proteins with proximity-utilizing biotinylation**
Arman Kulyyassov, National Center for Biotechnology, Kazakhstan

Young Researchers Forum

- 15:20-15:35 **Circulating proteins revealed to be associated to knee radiographic OA**
Lucia Lourido Salas, Instituto de Investigacion Biomedica de A Coruna, Spain
- 15:35-15:50 **Proteomic characterization of Vancomycin-resistant Enterococci clinical strains**
Luis Pinto, University of Tras-os-Montes and Alto Douro, Portugal

Networking & Refreshments Break 15:50-16:10 @ Foyer

- 16:10-16:25 **Producing recombinant poly- γ -glutamic acid as 'mortar' of biomimetic nacre**
Nadine Bongaerts, Delft University of Technology, The Netherlands
- 16:25-16:40 ***In silico* screening of anti-malarial from Indonesian medicinal plants database to plasmepsin target**
Eko Aditya Rifai, Universitas Indonesia, Indonesia
- 16:40-16:55 **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
- 16:55-17:10 **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

- 17:10-17:25 **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**

- 09:00-09:25 **Magnus S Magnusson**
University of Iceland, Iceland
- 09:25-09:50 **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

- 09:50-10:10 **Navigating the 3D biological space – The bioGPS approach**
Lydia Siragusa, Molecular Discovery Limited, UK
- 10:10-10:30 **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 10:30-10:50 @ Foyer

- 10:50-11:10 **The T-pattern and structural and functional self-similarity from human and neuronal interactions to DNA**
Magnus S Magnusson, University of Iceland, Iceland
- 11:10-11:30 **Heterologous expression of β -ketoacyl ACP synthase 1 of *Salmonella Typhi* in *Escherichia coli***
Hasni Arsad, Universiti Sains Malaysia, Malaysia
- 11:30-11:50 **Understanding protein structure and domains from a network perspective: Functional and evolutionary implications**
Arnold Emerson Isaac, Vellore Institute of Technology University, India
- 11:50-12:10 **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

- 12:10-12:30 **ELISA-analog plasmonic nanostructures for ultrasensitive biomarkers identification**
Nekane Guarrotxena, CSIC-Institute of Polymer Science and Technology, Spain
- 12:30-12:50 **Discovery and translation of epitomics biomarkers: Towards diagnostics**
Jozsef Lazar, Biosystems International Kft, Hungary

Lunch Break 12:50-13:40 @ Aqua Restaurant

- 13:40-14:00 **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
- 14:00-14:20 **Current applications of mass spectrometry in clinical microbiology**
Raju Ravikumar, National Institute of Mental Health and Neuro Sciences, India
- 14:20-14:40 **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 14:40-15:30 @ Foyer

Networking & Refreshments Break 15:30-15:45 @ Foyer

Workshop

- 15:45-16:30 **Proteomics in biotherapeutic development: Therapeutic characterization, pharmacokinetic studies, pharmacodynamics and support to process development**
Andreu Soldevila, Leanbio SL, Spain
- 16:30-17:15 **Analytical characterization for novel biological entities and biosimilars**
Alastair Waugh, 3P Biopharmaceuticals, Spain
- 17:15-18:00 **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

- 10:00 - 10:20 **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
- 10:20 - 10:40 **Markers found in macrophages using proteomics can function as targets for chemotherapeutic intervention of *Leishmania* infection**
Patricia Sampaio Tavares Veras, Gonçalo Moniz Research Center- FIOCRUZ, Brazil

Networking & Refreshments Break 10:40-10:55 @ Foyer

- 10:55-11:15 **Study of the phosphoproteome of the pathogenic yeast *Cryptococcus neoformans var grubii***
Raju Ravikumar, National Institute of Mental Health and Neuro Sciences, India
- 11:15-11:35 **Network properties of protein domain co-occurrence network**
Arnold Emerson Isaac, Vellore Institute of Technology University, India
- 11:35-11:55 **Comparative proteomic analysis of food related lactobacilli: New evidences**
Maria De Angelis, University of Bari Aldo Moro, Italy
- 11:55-12:15 **Seminal plasma proteomics of Dorper rams from northeastern Brazil**
Carlos Eduardo A Souza, Cisne University, Brazil

Lunch Break 12:15-13:00 @ Aqua Restaurant

Panel Discussion

Poster Presentations

- P01 **Improved intact protein quantitation on an orbitrap fusion tribrid mass spectrometer using multiplexed SIM and PRM techniques**
Steven Danielson, Thermo Fisher Scientific, USA
- P02 **Secretome proteomic analysis of renal cells treated with the profibrotic agents ANG II, TGFβ1 and PDGF: A comparative study**
Marwa Eltoweissy, University Medicine of Gottingen, Germany
- P03 **Quantitative proteomics of tear fluid using multiplex peptide stable isotope dimethyl labeling**
Cecilie Aass, Oslo University Hospital, Norway
- P04 **Comprehensive proteomic approach for understanding xylem vessel cell differentiation**
Masahiro Noguchi, Nara Institute of Science and Technology, Japan
- P05 **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 **Identification and characterization of tissue-specific kinome profiles**
Brenden Van Wyk, University of Saskatchewan, Canada
- P07 **Palladin, a novel end MT biomarker?**
Kataryna Gawrys, Medical University of Lodz, Poland
- P08 **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 **Study of the compartmentalization of cell using proximity utilizing enzymatic ligation**
Arman Kulyyassov, National Center for Biotechnology, Kazakhstan
- P10 **In silico analysis of single nucleotide polymorphism in FBN1 gene and study of genetic interaction**
Mohanad Khalid Ali Abdelrahim, University of Khartoum, Sudan
- P11 **Seminal plasma and sperm membrane protein profile of Quarter Horse stallions**
Priscilla Nascimento Guasti, Sao Paulo State University, Brazil

- P12 **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 **Comparison of protein extraction buffers of bovine sperm**
Caroline Scott, Sao Paulo State University, Brazil
- P14 **Genetic basis of steroid resistance in nephrotic syndrome NPHS2: A computational study**
Khalid El. Khalid, University of Khartoum, Sudan

Bookmark your dates

6th International Conference and Expo on

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March 29-30, 2016 Atlanta, USA

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7th International Conference and Expo on

Proteomics

October 10-12, 2016 Rome, Italy

Website: www.proteomicsconference.com

e-mail: proteomics@omicsgroup.com; proteomics@conferenceseries.com



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