9th International Conference and Expo on

PROTEOMICS AND MOLECULAR MEDICINE

November 13-15, 2017   Paris, France

www.proteomicsconference.com

Conference Secretariat
Kemp House, 152 City Road, London EC1V 2NX, Ph: +1-702-508-5200 Ext: 8033
Email: proteomicscongress@biochemistryconferences.com, proteomicscongress@conferenceseries.net
Dear Attendees,

The Proteomics Congress 2017 Organizing Committee is absolutely delighted to welcome you to the 9th International Conference & Expo on Proteomics and Molecular Medicine which will be held in Paris on 13th – 15th November 2017.

We are looking forward to providing you with a superb environment in which to present, discuss and advance your proteomic research. The world class scientific programme will consolidate existing knowledge while at the same time increase your awareness of leading edge and forward looking advances in the field.

The congress is to be held in fairy-like city (Paris) which is a world renowned and commonly called as “The City of light”. You’ll find top-class cathedrals, parks, shopping, elegant cuisine, numerous monuments and many more. Beyond Paris you’ll able to explore an enchanting country and experience the French welcome from the people – rich in love, inspiration, art and fashion as well as the written and spoken word. What better place to combine leading edge science with an unsurpassed personal experience.

We look forward to seeing/welcoming you in 2017 for an experience of a lifetime.

Cent mille bienvenues to PC 2017 (‘A hundred thousand welcomes’)

With Regards
Proteomics Congress 2017
Organizing Committee

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This year, we’ll host the event in beautiful city Paris.
Come early and treat yourself to a weekend vacation before the event!
## Program at A Glance

### Day 1

<table>
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<tr>
<th>Time</th>
<th>General Session</th>
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<td>08.00-09.00</td>
<td>Inaugural Address</td>
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<tr>
<td>09.00-09.15</td>
<td>Keynote/Plenary Talk 1</td>
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<td>09.15-09.45</td>
<td>Keynote/Plenary Talk 2</td>
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<td>09.45-10.15</td>
<td>Keynote/Plenary Talk 3</td>
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<td>10.15-10.45</td>
<td>Keynote/Plenary Talk 3</td>
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<tr>
<td>11.00-12.40</td>
<td>Omics Strategies to Study the Proteome</td>
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<td>13.30-15.30</td>
<td>Mass Spectrometry in Proteome Research</td>
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<td>15.45-17.25</td>
<td>Protein Expression and Analysis</td>
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### Day 2

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 1</th>
<th>Session 2</th>
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<tbody>
<tr>
<td>09.00-10.40</td>
<td>Keynote Forum</td>
<td>Omics Strategies to Study the Proteome</td>
</tr>
<tr>
<td>10.55-12.35</td>
<td>Proteomics in Biochemistry and Molecular Biology</td>
<td>Pharmaceutical Proteomics</td>
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<tr>
<td>13.25-15.05</td>
<td>Proteomics in Computational Systems Biology</td>
<td>Proteomics for Bioinformatics</td>
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<tr>
<td>15.20-17.00</td>
<td>Cell Research in Proteomics</td>
<td>Proteomics in Structural and Glycobiology</td>
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### Day 3

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 1</th>
<th>Session 2</th>
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<tbody>
<tr>
<td>09.00-10.40</td>
<td>Proteomics and its Medicinal Research</td>
<td>Plant, Animal and Environmental Proteomics</td>
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<tr>
<td>10.55-12.35</td>
<td>Proteomics in Food &amp; Nutrition</td>
<td>Proteomics Database</td>
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<tr>
<td>13.25-15.05</td>
<td>Case reports</td>
<td>Neuroproteomics &amp; Neurometabolomics</td>
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</table>

**NOTE:** Program Schedule is subject to change with final allotment of the speaker slots
SPECIAL SESSION ON
Proteomics to Study
Physiology and
Drug Action

Jacek R Wisniewski
Max-Planck-Institute of
Biochemistry, Germany
Dariusz Rakus
Wroclaw University
Poland
Magnus Olander
Uppsala University
Sweden

Proteomics Reminisce
Glimpses of Proteomics Congress 2016
The field of Proteomics is growing rapidly and its development is making tremendous impacts in cancer proteomics, integrated OMICS, cardiovascular and haematological proteomics, pharmaceutical industry, biomarkers and neurological disorders. The importance and significance can be gauged by the fact that it has made huge advancements over the course of time and is continuing to influence various sectors.

**Proteomics Congress 2017**

- Opportunity to attend the presentations delivered by eminent scientists from all over the world
- Selected contributions will be published in following Conference Series LLC Journals
  - Journal of Proteomics & Bioinformatics
  - Journal of Pharmacogenomics & Pharmacoproteomics
  - Journal of Data Mining in Genomics & Proteomics
  - Journal of Biomedical Data Mining
- Participation in sessions on specific topics on which the conference is expected to achieve progress
- Global networking: In transferring and exchanging Ideas
- Conference brings together Scientific Researchers, Industrialist and delegates

**Important Dates**

Abstract submission opens: February 06, 2017
Registration opens: February 13, 2017
On spot registration: November 13, 2017

**Venue**

Hotel Novotel Marne la Vallée Noisy le Grand
2 Allée Bienvenue 93160 Noisy-le-Grand
France
Best Tourist Destinations in Paris, France

- Arc de Triomphe
- Les Invalides
- Disneyland Paris
- Musée de l’Orangerie
- Sainte-Chapelle
- Eiffel Tower
- The Louvre
- Notre Dame de Paris
- Saint-Germain-des-Prés
- Palais Garnier
- Place des Vosges
About Paris

Paris, France’s capital is a major European city and a global center for art, fashion, gastronomy and culture. Its picturesque 19th-century cityscape is crisscrossed by wide boulevards and the River Seine.

Paris can be seen as the most interesting city of Europe and probably even as one of the most amazing city’s worldwide. People from all over the world travel to Paris to discover and experience this fairy-like city. Paris is the city of love, inspiration, art and fashion. The night scene, the Eiffel tower and the warm atmosphere will make you feel directly at home. Paris has a lot of interesting architecture and museums to offer and is also a Walhalla for shopaholics. A city as Paris is one that everyone should visit and experience.

Paris is synonymous with all that is French. Known throughout the world as the “City of Light” Paris is celebrated for its beautiful city plan, its architecture, museums, bridges, cathedrals, parks, shopping, flea markets, sidewalk cafés, wide and luxurious boulevards, elegant cuisine and numerous monuments. Paris has always been known to have the aura of romance and mystery and has been the setting for many novels and movies.

A trip to Paris is the perfect get-away. One weekend or a couple of days in Paris will be enough to make you feel one with the city and forget about the daily routine back home.

Contact Details
Sheeba Kosari
Program Director
Proteomics Congress 2017
Phone: +1-702-508-5200 Ext:8033
proteomicscongress@conferenceseries.net
Day 1        October 24, 2016

Olimpica 1

08:00-08:30   Registrations

Keynote Forum

09:00-09:05   Introduction
09:05-09:35   Title: Solvent interaction analysis: A new approach to structure-focused clinical proteomics
              Boris Zaslavsky, Cleveland Diagnostics, USA
09:35-10:05   Title: Glycomics work-flows for the characterization of vaccine glycoprotein antigens
              John F Cipollo, Center for Biologics Evaluation and Research-USFDA, USA
10:05-10:35   Title: Systematic analysis of liver cancer metabolism - Lessons from mice and humans
              Stefan Kempa, Berlin Institute for Medical Systems Biology - MDC Berlin, Germany
10:35-11:05   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

Opening Ceremony

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

08:30-09:00

conferenceseries.com 08:30-09:00

Lunch Break 12:25-13:25 @ Hotel Restaurants

Introduction

11:25-11:45

Wendy Sandoval, Genentech, Inc., USA

Title: Quantification of non-cognate pairs resulting from single cell bispecific antibody assembly using high resolution intact mass measurement

11:45-12:05

Judit Ovádi, Hungarian Academy of Sciences, Hungary

Title: Moonlighting microtubule-associated proteins: Regulatory functions by day and pathological functions at night

12:05-12:25

Magnus S Magnusson, University of Iceland, Iceland

Title: Temporal and spatial T-patterns in behavior and DNA: Is the structure of DNA reflected in the structure of neuronal and human behavior?

12:25-12:45

Marwa Eltoweissy, University of Göttingen, Germany

Title: The antioxidant protein PARK7 plays an important role in cell resistance to cisplatin induced apoptosis in case of clear cell renal cell carcinoma

12:45-13:05

Elena Santonico, University of Rome Tor Vergata, Italy

Title: Solution structure of CUBO, a novel domain that preferentially binds the ubiquitin-like protein NEDD8 biomarker screening

13:05-13:25

Nekane Guarrotxena, Spanish National Research Council, Spain

Title: Sensitive, selective and accurate response of plasmonic bead platforms in high-throughput

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

10:35-11:05

Petra Perner, Institute of Computer Vision and Applied Computer Sciences, Germany

13:05-13:25

Nekane Guarrotxena, Spanish National Research Council, Spain

14:25-14:55

Alon Savidor, Weizmann Institute of Science, Israel

Title: Next generation protein sequencing (NGPS) enables rapid full-length de-novo antibody and other protein sequence determination

14:45-15:05

Federica Chiappori, Istituto di Tecnologie Biomediche-Consiglio Nazionale delle Ricerche, Italy

Title: Allosteric modulation: The Hsp70 case study
15:05-15:25 **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

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<th>Sessions:</th>
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<tr>
<td>Evolutionary &amp; Structural Bioinformatics</td>
<td>Emerging Trends in Proteomics &amp; Genomics</td>
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**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**

15:25-16:10 **Title:** Of men and not mice: Comparative genomic analysis of human diseases and mouse models  
**Wenzhong Xiao,** Stanford University School of Medicine, USA

16:10-16:30 **Title:** The impact of functional redundancy on molecular signatures  
**Alexandru G Floares,** SAIA-Solutions of Artificial Intelligence Applications, Romania

16:50-17:10 **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

17:30-17:50 **Title:** Structural communication in transcription factors  
**Elena Papaleo,** Danish Cancer Society Research Center, Denmark

18:10-18:30 **Title:** Mathematical modelling of evolution of tetranucleotide usage patterns of whole bacterial genomes to improve phylogenetic inferences  
**Xiaoyu Yu,** University of Pretoria, South Africa

18:30-18:50 **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

Panel Discussions  
Day 2      October 25, 2016

**Keynote Forum**

**Introduction**

| 09:00-09:30 | **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 |

| 09:30-10:00 | **Title:** Fragments, fragmentome and fragmentomics in proteomics  
**Alexander A Zamyatin,** A.N. Bach Institute of Biochemistry, Russia; Universidad Técnica Federico Santa María, Chile |

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<th>Sessions:</th>
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<tr>
<td>Cancer and Clinical Proteomics</td>
<td>Mass Spectrometry in Proteome Research</td>
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**Session Chair:** Bart Devreese, Ghent University, Belgium  
**Session Co-Chair:** Pavel Vítámvás, Crop Research Institute, Czech Republic

**Session Introduction**

10:00-10:20 **Title:** Effects of natural compounds and proteins on solvent properties of aqueous media  
**Boris Zaslavsky,** Cleveland Diagnostics, USA
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<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Institution</th>
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<tbody>
<tr>
<td>10:20-10:40</td>
<td>Title: Laser microdissection in proteomic analysis</td>
<td>Mauro Baron</td>
<td>Leica Microsystems, Italy</td>
</tr>
<tr>
<td>10:40-11:00</td>
<td>Title: Fecal (meta) proteomics: A tool to investigate dysbiosis and inflammation in patients with cystic fibrosis</td>
<td>Bart Devreese</td>
<td>Ghent University, Belgium</td>
</tr>
<tr>
<td>11:00-11:20</td>
<td>Networking and Refreshment Break</td>
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<td>Foyer</td>
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<tr>
<td>11:20-11:40</td>
<td>Title: Quantitative proteomic analysis of prostate cancer for biomarker discovery and drug target identification</td>
<td>Amilcar Flores Morales</td>
<td>University of Copenhagen, Denmark</td>
</tr>
<tr>
<td>11:40-12:00</td>
<td>Title: Quantitative proteomics and pharmacokinetic modeling in the optimisation of drug dosing</td>
<td>Jill Barber</td>
<td>University of Manchester, UK</td>
</tr>
<tr>
<td>12:00-12:20</td>
<td>Title: Analysis of cereal response to abiotic stress using gel-based proteomics</td>
<td>Pavel Vítámvás</td>
<td>Crop Research Institute, Czech Republic</td>
</tr>
<tr>
<td>12:20-12:40</td>
<td>Title: Potential use of reciprocal levels of serum and urinary peptides for discriminating prostate cancer from benign prostatic hyperplasia</td>
<td>Jaime Jacqueline Jayapalan</td>
<td>University of Malaya, Malaysia</td>
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<tr>
<td>12:40-13:20</td>
<td>Poster Presentations</td>
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<td>Cassia</td>
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<td>13:20-14:20</td>
<td>Lunch Break</td>
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<td>Hotel Restaurants</td>
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<tr>
<td>14:20-15:05</td>
<td>Disease specific databases for personalized medicine: Fabry disease as a case of study</td>
<td>Maria Vittoria Cubellis</td>
<td>University of Naples, Italy</td>
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<td>15:05-15:25</td>
<td>Title: Translating genomic biomarker findings into clinical medicine: Dimension of the problem, network structure of competing models, and estimate of the misclassification prediction error</td>
<td>Nabil Mili</td>
<td>University of Geneva, Switzerland</td>
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<tr>
<td>15:25-15:45</td>
<td>Title: PhyQuart-A new algorithm to avoid systematic bias &amp; phylogenetic incongruence: Are directed quartets the key for more reliable supertrees?</td>
<td>Patrick Kück</td>
<td>The Natural History Museum London, UK</td>
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<tr>
<td>15:45-16:05</td>
<td>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</td>
<td>Alvaro Olivera-Nappa</td>
<td>University of Chile, Chile</td>
</tr>
<tr>
<td>16:05-16:25</td>
<td>Title: Big data in noncoding RNA and precision medicine</td>
<td>Runsheng Chen</td>
<td>Institute of Biophysics, Chinese Academy of Sciences, China</td>
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<tr>
<td>16:25-16:45</td>
<td>Networking and Refreshment Break</td>
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<td>Foyer</td>
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<tr>
<td>16:45-17:05</td>
<td>Title: In silico modeling of ABCG2/BCRP structure and dynamics sheds light on xenobiotic recognition and transport function</td>
<td>Tamas Hegedus</td>
<td>Semmelweis University, Hungary</td>
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<tr>
<td>17:05-17:25</td>
<td>Title: Probability sampling in matched case-control study in drug abuse</td>
<td>Surya Raj Niraula</td>
<td>B P Koirala Institute of Health Sciences, Nepal</td>
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<tr>
<td>17:25-17:45</td>
<td>Title: Structural implications of protease mutations in antiretroviral treatment exposed patients infected with HIV-1 subtype C</td>
<td>Veronna Marie</td>
<td>University of KwaZulu-Natal, South Africa</td>
</tr>
<tr>
<td>17:45-18:05</td>
<td>Title: Designer protein enriched with large neutral amino acids: A new approach for treating phenylketonuria</td>
<td>Prakruthi Appaiah</td>
<td>CSIR-Central Food Technology Research Institute, India</td>
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<tr>
<td>18:05-18:25</td>
<td>Title: Remote patient triage and prioritization in mobile telemedicine services</td>
<td>Omar Hussein Salman</td>
<td>Al Iraqia University, Iraq</td>
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Panel Discussions

Day 3         October 26, 2016

**Olimpica 1**

**Special Session**

09:30-10:15  **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

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<tr>
<td>10:15-10:35</td>
<td>Title: Systemic properties of proteome profiles of carcinogenesis of human breast epithelial cells, and clinical applications of these profiles</td>
<td>Serhiy Souchelnytskyi</td>
<td>Qatar University, Qatar</td>
</tr>
<tr>
<td>10:35-10:55</td>
<td>Title: Unraveling of gene expression control in genome-reduced bacteria</td>
<td>Vadim Govorun</td>
<td>Federal Research and Clinical Center of Physical-Chemical Medicine of Federal Medical Biological Agency, Russia</td>
</tr>
<tr>
<td>11:15-11:35</td>
<td>Title: Quantitative proteomic approaches for identifying urinary biomarkers in Lupus nephritis</td>
<td>Veronica Anania</td>
<td>Genentech, Inc., USA</td>
</tr>
<tr>
<td>11:35-11:55</td>
<td>Title: Protein profile of seminal plasma and functionality of spermatozoa during the reproductive season in common carp <em>Cyprinus carpio</em> and rainbow trout <em>Oncorhynchus mykiss</em></td>
<td>Anna Shaliutina-Kolesova</td>
<td>University of South Bohemia České Budějovice, Czech Republic</td>
</tr>
<tr>
<td>11:55-12:15</td>
<td>Title: Effect of therapeutic concentration of lithium on living HEK293 cells; alteration of overall protein composition</td>
<td>Miroslava Vosahlikova</td>
<td>Institute of Physiology of the Czech Academy of Sciences, Czech Republic</td>
</tr>
<tr>
<td>12:15-12:35</td>
<td>Title: Comparative proteomic analysis of fibrosarcoma and skin fibroblast cell lines</td>
<td>Hamdi Uysal</td>
<td>Ankara University, Turkey</td>
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<tr>
<td>13:35-13:55</td>
<td>Title: PRMT1 modulates gene expression during DNA damage response, through R-methylation of histones and non-histone targets</td>
<td>Daniele Musiani</td>
<td>European Institute of Oncology, Italy</td>
</tr>
<tr>
<td>13:55-14:15</td>
<td>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</td>
<td>Hana Ujcikova</td>
<td>Institute of Physiology-Czech Academy of Sciences, Czech Republic</td>
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<tr>
<td>14:15-14:35</td>
<td>Title: Analysis of screening and bioinformatics of antithrombotic peptides in casein molecules from bovine milk</td>
<td>Maolin Tu</td>
<td>Harbin Institute of Technology, China</td>
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<tr>
<td>14:35-14:55</td>
<td>Title: Proteomic characterization of apoptosis process in <em>Entamoeba histolytica</em>: Identification of pro- and antiapoptotic proteins</td>
<td>Guillermo Pérez Ishiwara</td>
<td>Instituto Politécnico Nacional, México</td>
</tr>
<tr>
<td>14:55-15:15</td>
<td>Title: Texture and gene expression analysis of the brain in detection of Alzheimer's disease</td>
<td>Alhadi Bustamam</td>
<td>University of Indonesia, Indonesia</td>
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**Awards & Closing Ceremony**

**Day 2     Poster Presentations   12:40-13:20 @ Cassia**

**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 Gawryś, 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 Volynceva, 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-MSE analysis between magainin I-susceptible and -resistant Escherichia coli strains  
Marlon Henrique e Silva Cardoso, Universidade de Brasília, Brazil

PBP-12 Title: Role of fibrosin in the endothelial to mesenchymal transition  
Marcin Popielski, Medical University of Lodz, Poland

PBP-13 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-14 Title: Proteomic approach to determine the biological variation of oil palm fruit mesocarp  
Benjamin Lau, Malaysian Palm Oil Board, Malaysia

PBP-15 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-16 Title: A wiki-based web server for human disease  
Tao Chen, National Center for Protein Sciences, China

PBP-17 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

PBP-18 Title: 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-19 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-20 Title: Evaluation of disulfide scrambling at various pH on Avastin digestion by mass spectrometry  
Yi-Li Huang, National Taiwan Normal University, Taiwan

PBP-21 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, Masaryk 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

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
Scientific Program

5th International Conference on
Proteomics & Bioinformatics
September 01-03, 2015   Valencia, Spain

Conference Secretariat
Kemp House, 152 City Road, London EC1V 2NX, Ph : +1-702-508-5200 Ext: 8033
Email: proteomicscongress@biochemistryconferences.com, proteomicscongress@conferenceseries.net
www.proteomicsconference.com
Day 1  September 01, 2015

Melia Meeting 4-5

Registrations

Opening Ceremony

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
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

Networking & Refreshments Break

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 plasmpesin 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

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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

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Panel Discussion

Day 2  September 02, 2015  
Melia Meeting 4-5

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Keynote Forum

Magnus S Magnusson  
University of Iceland, Iceland

Laszlo Takacs  
Biosystems International, Hungary

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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

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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

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Networking & Refreshments Break

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Track 10: Recent Advancements in Proteomics

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

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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

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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**

**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  
*Carlos 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

**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, TGFβ1 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 Gawryś,* 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 apolipoprotein 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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6th International Conference and Expo on Proteomics
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Keynote Forum

Introduction
Alan J Tackett
University of Arkansas, USA
Xuequn Chen
Wayne State University, USA

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

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

Title: GABA receptor binding partners in the ER: A role in trafficking to the cell surface
Jasmina N Jovanovic, UCL School of Pharmacy, UK

Title: Targeting the human cancer pathway protein interaction network by structural genomics
Yuanpeng Janet Huang, Rutgers University, USA

Title: Platelet aggregation under a quantitative proteomics point of view: ADP, collagen and urokinases as agonists
Diogo Ribeiro Demartini, Universidade Federal do Rio Grande do Sul. Porto Alegre, RS. Brazil

Title: Application of nanobiotechnology in oncoproteomics
Sevgi Gezici, Texas A&M University, USA

Title: Oncoproteomics: Development of pharmacodynamic biomarkers and evaluation of the efficacy of sorafenib liposomes for the treatment of hepatocellular carcinoma
Deepshikha Pande Katare, Amity University, India

Lunch Break

Title: Recent advancements in the mass spectrometry-based analysis of protein acetylation changes upon Boron treatment
Huseyin Cimen, Yeditepe University, Turkey

Title: Molecular docking to find inhibitors for acetylcholinesterase from Drosophila melanogaster
Jamal Alruwaili, Northern Border University, Saudi Arabia

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

Title: Large scale breast cancer clinical proteomics using high-resolution mass spectrometry and super-SILAC
Tamar Geiger, Tel Aviv University, Israel

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

Coffee Break

Title: Probing molecular and cellular mechanisms in tissue culture samples of commercial crops using proteomic approach
Chin Chiew Foan, University of Nottingham, Malaysia

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

Title: Proteomic aspects of Moroccan cases with early onset Alzheimer disease
Nadia El Kadmiri, University Hassan II, Morocco

Title: Computational shotgun drug repurposing for myriad diseases
Geetika Sethi, University of Washington, USA

Panel Discussions
Cocktails sponsored by Journal of Proteomics & Bioinformatics @ Oaks
Day 2                August 05, 2014
Hickory

Keynote Forum

Steven Pelech
Kinexus Bioinformatics Corporation, Canada

David Sheehan
University College Cork, Ireland

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

Session Introduction

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

Title: Predicting synergistic drug targets in cancer through molecular networks
Uma Shankavaram, National Cancer Institute, USA

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

Title: Application of proteomic tools in assessment of soybean protein variance
Savithry S Natarajan, University of Maryland, USA

Coffee Break

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

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

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: High performance computing and private clouds for bioinformatics applications
Hesham H Ali, University of Nebraska, USA

Workshop on
Steven Pelech, Kinexus Bioinformatics, Canada

Track 8: Onco Proteomics
Track 9: Genomics

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

Title: Understanding the binding affinites of the sulfonanilide derivaties on aromatase
Shailima RD Vardhini, Osmania University, India

Title: Enzyme-pathway metabolic network analysis of hypertriglyceridemia
V Srinivasa Rao, Andhra University, India

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

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

Coffee Break

Title: Association analysis of Type 2 Diabetes proteins interaction network
K Srinivas, Andhra University, India

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

Workshop on
“Computational Analysis (MaxQuant and Perseus)”
Tamar Geiger, Tel Aviv University, Israel

Poster Presentations @ Oaks
Panel Discussion & Prize Distribution

Cocktails Sponsored by Journal of Pharmacogenomics & Pharmacoproteomics @ Oaks

Day 3                August 06, 2014
Hickory

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

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

Title: An omics approach to purifying vascular progenitor cells for therapeutic potential
Claudine S Bonder, SA Pathology & University of South Australia, Australia

Title: Novel drug-discovery technology based on intact protein mass spectrometry
Alexander Statsyuk, Northwestern University, USA

Title: Genotype-to-phenotype mapping in post GWAS world
Sergey V Nuzhdin, University of Southern California, USA

Coffee Break

Title: The role of proteomics in discovery of tumor biomarkers
Sevgi Gezici, Texas A&M University, USA

Title: Toxicity evaluation of carbon nanotubes in J774 mouse macrophages utilizing a proteomic approach
Dharani Das, Environmental Health Science and Research Bureau, Canada

Title: Supervised pattern recognition of different coffee products
Mohamed F AlAjmi, King Saud University, Saudi Arabia

Title: Inhibitors against resistant markers: A molecular and computational biology approach
Asad U Khan, Aligarh Muslim University, India

Title: The role of oligosaccharides on structure-function of glycoprotein hormones; Development of agonists and antagonists
Fuad Fares, University of Haifa, Israel

Title: Cochlear protein nitration in acquired hearing loss
Samson James Daniel, Wayne State University, USA

Lunch Break

Title: Identification and differential expression profiling of MicroRNAs from white and red muscles of siniperca chuatsi
Jianshe Zhang, Changsha University, China

Title: Survey of cloud computing in bioinformatics
Savitha Parur Venkitachalam, Western Michigan University, USA

Title: Determination of enzymatic action mechanisms of protein extracts obtained from the mushroom MM1-UDEA involved on Mycosphaerella fijiensis Morelet growth inhibition
Mounica Arias, University of Antioquia, Colombia

Title: Molecular detection and genotyping of Human parechovirus from clinical sample of children with gastroenteritis
Farideh Ghazi, University of Medical Sciences, Iran

Title: Scientific software solution modelling using Butterfly model
Zeeshan Ahmed, University of Wuerzburg, Germany

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5th International Conference on
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September 14-16, 2015   Florida, USA

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