

JUNE
25TH-27TH
2019

UMG
Dipartimento di Scienze della Salute

ItPA
Italian Proteomics Association

Hellenic Proteomics Society

PROTEOMICS AND METABOLOMICS
ON THE VERGE OF ONE HEALTH APPROACH

XIV International Congress of
Italian Proteomics Association in partnership with
Hellenic Proteomics Society
CHAIR: Paola Roncada CO-CHAIR: George Tsangaris

Food and Nutrition Proteomics

EUPA
EUROPEAN PROTEOMICS ASSOCIATION

Human Proteome Project

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TUESDAY JUNE 25th, 2019
Auditorium Campus Salvatore Venuta

10:00 – 19:00	Congress Registration
	Food & Nutrition (FaN) Workshop: Initiative of EuPA and HPP Chair: Paola Roncada (IT) and George Tsangaris (GR)
11:30 – 11:40	Welcome and opening
11:40 – 12:20	Brigitte Picard (Paris, F) Proteomic biomarkers of beef qualities: understanding of mechanisms and development of phenotyping tools.
12:20 – 12:50	Ignatio Ortea (Cordoba, ES) Application of Proteomics to main topics in food authentication: from gel-electrophoresis to next-generation proteomics
12:50 – 13:20	Tanja Cirkovic Velickovic (Belgrade, RS) FoodEnTwin: Impact of environment on food quality and safety studied by omics methods
13:20 – 14:20	Closing of the Workshop and light lunch
14:30 – 16:00	Round Table about the state of the art of the Human Proteome Project cHPP and B/D-HPP MITOCHONDRIA Chair: Mauro Fasano and Andrea Urbani
16:30 – 17:00	Opening Ceremony Dean welcome, Authorities, President of ItPA, HPS, EuPA
17:00 – 18:00	Chair: Albert Sickmann, Dortmund, Germany and Andrea Urbani, Roma, Italy Plenary lecture: Roman A. Zubarev (Stockholm, SE) How proteins talk to small molecules - a chemical proteomics study.
18:00 – 18:40	Keynote lecture: Nils J. Færgeman (Odense, DK) From metabolomics towards in situ fluxomics in clinical sciences
18:40	End of the opening
18:45 – 20:30	Welcome Cocktail, wine and cheese tasting, Campus Salvatore Venuta

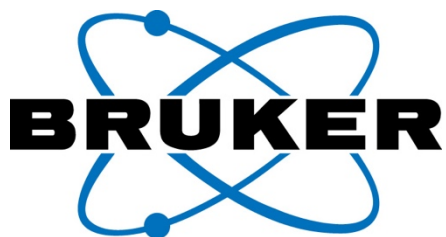
WEDSNEDAY June 26th, 2019
Auditorium Campus Salvatore Venuta

SESSION 1 Chair: Margherita Ruoppolo, Napoli, Italy and George Tsangaris, Greece	
09:00 – 09:40	Keynote Lecture: Fernando J Corrales (Madrid, ES) The Biology and Disease Human Proteome Project: Understanding mechanisms of liver cancer.
09:40 – 10:10	Keynote Lecture: Luca Bini (Siena, IT) The speciation of the proteome: a prerequisite to understand biological complexity
10:10 – 10:25	Wunderlich Dirk (Bremen, DE) PASEF on an IMS-QTOF for high-throughput and in-depth shotgun proteomics
10:25 – 11:00	Coffee break and poster exhibition
SESSION 2 Chair: Giovanni Cuda, Catanzaro, Italy	
11:00 – 11:15	Angela Bachi (Milano, IT) BACE2 regulates microenvironment remodeling in metastatic melanoma
11:15 – 11:30	Marianna Caterino (Napoli, IT) Omic study of cerebral ammonium accumulation mechanism in the Glutaric Aciduria Type I
11:30 – 11:45	Eleni Zografos (Athens, GR) Serum proteome profiling of male breast cancer
SESSION 3 Alessio Soggiu, Milano, Italy	
11:50 – 12:05	Lorenza Putignani (Roma, IT) Metaproteomic investigation to assess gut microbiota shaping in newborn mice: a combined taxonomic, functional and quantitative approach
12:05 – 12:20	Maria Munoz- Benavent (Valencia, ES) Development of a workflow prototype for meta-omics analysis of gut microbiome sample
12:20 – 12:35	Bruno Tilocca (Sassari, IT) Proteomic changes induced by yeast-derived volatilome on the Ochratoxin A-producing fungus <i>Aspergillus carbonarius</i>
12:35 – 14:00	Light lunch, poster exhibition and flash poster presentations
SESSION 4 Chair: Antonio Procopio (Catanzaro, IT), Fernando Corrales Madrid, Spain	
14:00 – 14:40	Keynote Lecture: Martin Giera (Lund, SE) Boosting inflammation resolution: protein and metabolite leads.
14:40 – 15:10	Keynote Lecture: Marco Gaspari (Catanzaro, IT) Proteomic analysis of EPS-urine detects prostate cancer tissue-specific proteins
15:10 – 15:25	Nicola Cimino (Milano, IT) ¹³ C-Glutamine Qualitative Flux Analysis of a Chondrosarcoma Cell Line Using Agilent VistaFlux
15:25 – 16:15	Coffee break and poster exhibition

SESSION 5 Chair: Tanja Cirkovic Velickovic, Belgrade, Serbia	
16:15 – 16:30	Vasileios Pierros (Athens, GR) Data processing approach for the construction and evaluation of an organism's UNIQUOME with comparative analysis for the Human, Rat and Mouse Uniquomes
16:30 – 16:45	Domenico Taverna (Catanzaro, IT) Comparing the diagnostic accuracy of three MS-based methods for quantitative proteomics analysis
16:45 – 17:00	Katarina Smiljanic (Belgrade, RS) Unrestricted and quantitative method of post-translational modifications profiling: Timothy grass pollen proteome in relation to increased oxidative stress caused by environmental pollution
SESSION 6 Chair: Ignatio Ortea, Cordoba, Spain	
17:05 – 17:20	Cristian Piras (Reading, UK) Liquid AP-MALDI MS profiling for rapid assessment of milk quality and animal welfare
17:20 – 17:35	Elisa Maffioli (Milano, IT) Characterization of physiological adaptive immune responses of sea urchin resident at a CO2 vent system using a proteomic approach
17:35 – 17:50	Enea Ferlizza (Bologna, IT) The urinary proteome and metabolome in dogs: effect of chronic kidney disease
18:00	ItPA GENERAL ASSEMBLY
20:30	SOCIAL DINNER- Baia dell'Est, Località Caminia- Staletti (CZ)
THURSDAY JUNE 27th, 2019 Auditorium Campus Salvatore Venuta	
SESSION 7 Chair: Claudia Desiderio, Roma, Italy	
09:00 – 09:40	Keynote Lecture: Peter Horvatovich (Groningen, NL) Application of proteogenomics data integration to study the effect of genome variability in head and neck cancer and late stage COPD
09:40 – 10:10	Keynote Lecture: Rosa Terracciano (Catanzaro, IT) Peptidomics signatures in human bodily fluids: from the analytical approach to the diagnostic applicability
10:10 – 10:25	Christof Mitterer (Ghent, BE) Maximize the output of routine proteome analyses by using micro pillar array column technology
10:25 – 11:00	Coffee break and poster exhibition
SESSION 8 Chair: Rocco Savino, Catanzaro, Italy	
11:00 – 11:15	Oxana Trifonova (Moscow, RU) Diagnostic potential of the modern dried blood spot methodologies for clinical metabolomics
11:15 – 11:30	Claudio Iacobucci (Halle-Salle, DE) In-Vitro and In-Cell Cross-Linking/Mass Spectrometry: from 3D-Protein Structure Investigations to Proteome-Wide Interactome Studies
11:30 – 11:45	Gianluigi Cabiddu (Cagliari, IT) Proteomic characterization of the mucosal pellicle formed in vitro on a cellular model of oral epithelium)
SESSION 9 Chair: Tiziana Alberio, Busto Arsizio, Italy	
11:45 – 12:00	Andrea C. Kakouri (Nicosia, CY) Investigating the protein-protein interaction network rewiring in Spastic Ataxia
12:00 – 12:15	Artemis G. Korovesi (Athens, GR) Proteomic analysis of whole normal brain of adult murine
12:15 – 12:30	Antonella Tramutola (Roma, IT) Intranasal Rapamycin in Ts65dn Down Syndrome Mice Reversed Brain mTOR Activation, Prevented AD-like Neuropathology, Improved Cognition, and Reduced Oxidative Damage
12:30 – 14:00	Light lunch, poster exhibition and flash oral presentations
YPIC AWARD SESSION Chair: Viviana Greco, Roma, Italy and Ilaria Piazza, Zurich, Switzerland	
14:15 – 15:00	Keynote Lecture: Ilaria Piazza (Zurich, CH) Shedding light on a new cellular interactomics: studying protein-small molecule interactions in biology and medicine
15:00 – 15:40	Poster presentations (selected from Young proteomics Investigator participants- three slides, 5 minutes each)
15:40 – 16:00	Awards Ceremony: Posters and Flash Talks
CLOSING LECTURE Chair: Peter Horvatovich Groningen NL, Paola Roncada, Catanzaro, Italy	
16:00 – 16:45	Closing Lecture: Andrea Urbani (Roma, IT) Redefining the role of Hydrogen Sulfide
16:45 – 17:00	Concluding remarks and end of the meeting

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