

## CONGRESS PRESIDENT

### ANDREA URBANI

Department of Basic Biotechnological Sciences, Intensivological and Perioperative Clinics, Università Cattolica del Sacro Cuore, Fondazione Policlinico Universitario "A. Gemelli" IRCCS, Roma, Italy

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### PAOLA RONCADA

President of Italian Proteomics Association (ItPA)  
Department of Health Sciences, University Magna Græcia, Catanzaro, Italy

### GEORGE TSANGARIS

President of Hellenic Proteomics Society, Biomedical Research Foundation Academy of Athens, Athens, Greece

### TANIA CIRKOVIC VELICKOVIC

President of Serbian Proteomics Association, Faculty of Chemistry, Centre of Excellence for Molecular Food Sciences, University of Belgrade, Belgrade, Serbia

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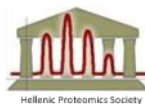
Department of Chemical Sciences, University of Naples Federico II, Napoli, Italy.

#### DAMIANA PIERAGOSTINO, INTERNATIONAL RELATIONSHIPS

Department of Innovative Technologies in Medicine and Dentistry, University "G. d'Annunzio" of Chieti-Pescara, Chieti, Italy.

#### LORENZA PUTIGNANI, FUND RAISING

Department of Diagnostic and Laboratory Medicine, Unit of Parasitology and Multimodal Laboratory Medicine Research Area, Unit of Human Microbiome, Bambino Gesù Children's Hospital, IRCCS, Rome, Italy



## XVI International Italian Proteomics Association Annual Meeting in Partnership with the Hellenic Proteomics Society and Serbian Proteomics Association



## Proteomics and metabolomics for Public Health



Universitäres Ausbildungszentrum für  
Gesundheitsberufe Polo Universitario delle  
Professioni Sanitarie,  
Via Lorenz-Böhler 13,  
August 31<sup>st</sup>-September 2<sup>nd</sup>, 2022  
Bolzano (Bozen), Italy



## SCIENTIFIC COMMITTEE

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#### ANDREA URBANI

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### CONFIRMED INVITED SPEAKERS:

*Maria T Abreu* University of Miami Florida, Usa

*Jens Brockmeyer*, University of Stuttgart, Germany

*Milos R. Filipovic*, Leibniz Institute for Analytical Sciences – Isas, Dortmund, Germany

*Veit Schwämmle*, University of Southern Denmark

*Luca Scorrano* University of Padova, Italy

*Peter Verhaert*, Proteoformix, Leuven University  
Vorselaar, Fiandre, Belgium

### REGISTRATION FEES:

ItPA/EuPA member 2022	€ 170\$
YPI*- ItPA /EuPA member 2022	€ 150\$
Late (after JULY 17 2022)/on site registration	€ 200

\*Young Proteomics Investigator (YPI) requirements: ≤7yos from last title (PhD/Master degree); not permanent position

§ ItPA/EuPA membership quote 2022 included (-20€ if already registered to ItPA for 2022)

## PROGRAM AT GLANCE

WEDNESDAY AUGUST 31, 2022 Auditorium	
13:00-18:30	CONGRESS REGISTRATION
15:00-15:15	WELCOME AND OPENING SESSION Paola Roncada (Catanzaro, IT), George Tsangaris (Athens, GR) and Andrea Urbani (Roma, IT)
PLENARY SESSION Chair: Andrea Urbani (Roma, IT), Lorenza Putignani (Roma, IT)	
15:15-16:00	Plenary Lecture: Maria T Abreu (Miami, USA) "Characterizing the functional microbiome to understand inflammatory bowel diseases"
16:00-16:45	Plenary lecture: Luca Scorrano (Padova, IT) "A compendium of complexome changes during mitochondrial remodeling allows functionalization of high molecular weight complexes"
SESSION 1 Chair: Maria Monti (Napoli, IT), Tiziana Alberio (Varese, IT)	
17:00 - 17:20	Angela Bachi (Milano, IT) "Identification of NUP98-NSD1 interactors and their implication in leukemic cell maintenance"
17:20 - 17:40	Pierre-Olivier Schmit (Bruker, Champs-sur-Marne, FR) The 4D-proteomics journey towards routine clinical proteomics
17:40 - 18:00	Mario da Ronco (Siemens Healthcare S.r.l., Milano, IT) "The new ambition of Siemens Healthineers"
18:00-18:20	Pierros Vasileios (Athens, GR) A database on unquome of various organisms

18:00-20:00	WELCOME COCKTAIL
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THURSDAY September 1 <sup>ST</sup> , 2022-MORNING Auditorium	
PLENARY SESSION Chair: Paola Roncada (Catanzaro, IT)	
09:00 - 09:45	Plenary Lecture: Jens Brockmeyer (Stuttgart, DE) "Food proteomics - a versatile tool for food authenticity testing and allergen research"
SESSION 2 Chair: Jens Brockmeyer (Stuttgart, DE), Alessio Soggiu (Milano, IT)	
09:45 - 10:05	Michele Costanzo (Napoli, IT) Linking lysosomal dysfunction to methylmalonic acidemia by DIA proteomics and targeted lipidomics
10:05 - 10:25	Giulia Capitoli (Milano, IT) Artificial intelligence techniques combined to spatial proteomics to overcome challenges in the characterization of thyroid lesions
10:30 - 11:00	COFFEE BREAK AND POSTER EXHIBITION (P1-P8)
SESSION 3 Chair: Maria Abreu (Miami, USA), Damiana Pieragostino (Chieti, IT)	
11:00 - 11:20	Bruno Tilocca (Catanzaro, IT) Bioinformatics-based prediction of protein epitopes for rapid in-field screening of African Swine Fever
11:20 - 11:40	Marta Lualdi (Varese, IT) The degradome of Neprilysin investigated in a cellular model of Parkinson's disease
11:40 - 12:00	Vittoria Monaco (Napoli, IT) Interactome of S1 domain in non-pulmonary systems

12:00 - 12:20	Pamela Vernocchi (Roma, IT) Gut microbiota functions in children with ASD with a new clinical and laboratory medicine view
12:30 - 14:00	LIGHT LUNCH AND POSTER EXHIBITION (P9-P16)
PLENARY SESSION Chair: Viviana Greco (Roma, IT)	
14:00-14:45	Plenary Lecture: Milos R. Filipovic (Dortmund, DE) "Mining the protein persulfidome in health and disease"
SESSION 4 Chair: Milos R. Filipovic (Dortmund, DE), Viviana Greco (Roma, IT)	
14:50 - 15:10	Lisa Pagani (Milano, IT) Generation of a spectral library for DIA proteomics analysis and application to serum samples using TIMS-TOF MS/MS
15:10 - 15:30	Maurine Fucito (Chieti, IT) Proteomics Revealing Brain Signatures of an in vivo Model of Multiple Sclerosis
15:30-15:50	Francesco Farris (Milano, IT) Dissecting the role of cancer-secreted amyloid fibrils by proteomics
16:00-16:30	COFFEE BREAK AND POSTER EXHIBITION(P17-24)
SESSION 5 Chair: Peter Verhaert (Fiandre, BE), Lorenza Putignani (Roma, IT)	
16:30-16:50	Marta Boreggio (Milano, IT) Unveiling the Bio-corona Fingerprinting of Potential Anticancer Carbon Nanotubes Coupled with d-Amino Acid Oxidase
16:50 - 17:10	Cristian Piras (Catanzaro, IT) Targeting beta-lactamases' presence and activity in raw cow milk through meta-proteomics and LAP-MALDI MS profiling

17:10-17:30	Annalisa Castagna (Verona, IT) <b>Serum Metabolomics of Primary Aldosteronism reveals specific molecular signatures</b>
<b>17:30</b> <b>ItPA GENERAL ASSEMBLY</b> <b>Special guest</b> <b>Davide Ederle</b> , Technology Transfer Manager Biotech - Hub Innovazione Trentino, Vicepresidente Cluster Nazionale Alisei <b>Intervento: "Come trasformare la ricerca in innovazione. Breve manuale di sopravvivenza".</b>	

<b>FRIDAY September 2<sup>ND</sup>, 2022</b> <b>Auditorium</b>	
<b>PLENARY SESSION</b> <b>Chair Alessio Soggiu (Milano, IT), Tiziana Alberio (Varese, IT)</b>	
09:00 – 09:45	<b>Plenary Lecture:</b> Veit Schwämmle (Odense, DK) <b>"Interactive tools for supervised quantitative analysis of proteomics data"</b>
09:45 – 10:30	<b>Plenary Lecture:</b> Peter Verhaert (Fiandre, BE) <b>Label-free and Multiplexed Single Cell Proteomics at High-Throughput and Remarkable Sensitivity</b>
10:30–11:00	<b>COFFEE BREAK AND POSTER EXHIBITION (P25-32)</b>
<b>SESSION 6</b> <b>Veit Schwämmle (Odense, DK), Damiana Pieragostino (Chieti, IT)</b>	
11:00 – 11:20	Valeria Marzano (Rome, IT) <b>Characterisation of the gut microbiota metaproteome in patients affected by the Williams–Beurens syndrome</b>
11:20 – 11:40	Silvia Valentinuzzi (Chieti, IT) <b>Dried blood spot on the other side: an opened gate for biomarker discovery from metabolites to proteins</b>

11:40 – 12:00	Flora Cozzolino (Napoli, IT) <b>Ferritin Heavy Chain binds Peroxiredoxin 6 and inhibits cell proliferation and migration</b>
12:00 – 12:20	Serena Correnti (Catanzaro, IT) <b>Peptidome profiling of human seminal plasma by Dispersive Solid Phase Extraction and MALDI-TOF MS</b>
<b>SESSION 7</b>	
12:20–12:30	<b>Awards Ceremony:</b> Poster and Oral Communications (ECR) <b>ItPA Executive board</b>
12:30–13:00	<b>Concluding remarks</b> <b>Paola Roncada (Catanzaro, IT), George Tsangaris (GR) and Andrea Urbani (Roma, IT)</b>
13:00–14:00	<b>Light Lunch and End of the Congress</b>

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