

### **CONGRESS PRESIDENT**

#### **ANDREA URBANI**

Università Cattolica del Sacro Cuore,  
Fondazione Policlinico Universitario "A. Gemelli" IRCCS, Roma, Italy

### **CONGRESS CHAIRS**

#### **PAOLA RONCADA**

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

#### **GEORGE TSANGARIS**

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

#### **TATJANA SIMIC**

President of Serbian Proteomics Association (SePA),  
University of Belgrade, Belgrade, Serbia

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## **XVIII International Italian Proteomics Association Annual Meeting**

**in Partnership with the Hellenic Proteomics  
Society and Serbian Proteomics Association**



## **New Horizons in Proteomics and Metabolomics**

**November 27<sup>th</sup> - November 29<sup>th</sup>, 2024  
CASA DEI CAVALIERI DI RODI,  
Piazza del Grillo 1  
ROMA, ITALY**

### **Conference Registration Fees**

Before November 4<sup>th</sup>, 2024

ItPA/EuPA member: 180 €

Not ITPA member (180+20) 200 €

YPI (< under 40) ItPA/EuPA member: 130 €

Not ItPA member (130+20) 150 €

LATE REGISTRATION (November 15<sup>th</sup>, 2024) 250€

INDUSTRY-COMPANIES: €300 plus vat 22%

To register please fill in the google registration form available on the website [www.itpa.it](http://www.itpa.it) and follow the instructions.

### **General Information**

#### **CONGRESS VENUE**

Casa dei Cavalieri di Rodi Piazza del Grillo, 1 (Roma), Italy. The instructions to reach the venue are available on the web site [www.itpa.it](http://www.itpa.it)

#### **OFFICIAL LANGUAGE**

The Congress official language will be English.

#### **ABSTRACTS AND POSTERS**

Posters will be displayed from 27<sup>th</sup> November to 29<sup>th</sup> November 2024. During poster sessions the presence of one of the authors is required.

Presentations from young corresponding authors will be nominated for poster prize competition.

#### **CERTIFICATE OF ATTENDANCE**

Certificates of attendance and payment fee receipts will be available at the registration desk.

#### **COFFEE BREAKS AND LUNCHES**

Welcome cocktail, coffee breaks and lunches will be served at the venue.

#### **ACCOMMODATION**

The list of recommended hotels is available on the website: [www.itpa.it](http://www.itpa.it)

## Confirmed Invited Speakers:

**Uwe Völker**, Incoming HUPO President,  
University Medicine Greifswald, Germany

**Ina Koch**, Goethe University Frankfurt am Main,  
Germany

**Michal Bassani-Sternberg**, University of Lausanne,  
Lausanne, Switzerland

**Mauro Fasano**, University of Insubria, Varese, Italy

**Claudio Sette**, Catholic University Sacred Heart, Rome,  
Italy

### PROGRAM

WEDNESDAY November 27 <sup>th</sup> , 2024-Morning Conference room	
10:30-11:00	CONGRESS REGISTRATION
11:00	WELCOME AND OPENING SESSION
<b>SESSION 1</b> Chair: <b>Uwe Völker (Greifswald, DE) and Paola Roncada (Catanzaro, IT)</b>	
<b>PLENARY LECTURE:</b>  <b>Uwe Völker (Greifswald, DE)</b> "Proteomics applications from the study of simple model organisms to the characterization of population-based cohorts"	
11:15-12:00	
<b>INVITED SPEAKER:</b>  <b>Claudio Sette (Roma, IT)</b> "Advanced phenotyping in Organoid Models: the microplastic paradigm"	
12:00-12:30	
<b>Mario Armelao, (AB Sciex)</b> "Quantifying 500 proteomics samples with ZT-SCAN DIA"	
12:30-12:50	
<b>LIGHT LUNCH AND POSTER SESSION (P01-P30 presentations)</b>	
13:00-14:00	

WEDNESDAY November 27 <sup>th</sup> , 2024-Afternoon Conference room	
<b>SESSION 2</b> Chair: <b>Michal Bassani-Sternberg (Lausanne, CH) and Tiziana Alberio (Varese, IT)</b>	
<b>PLENARY LECTURE:</b>  <b>Michal Bassani-Sternberg (Lausanne, CH)</b> "Addressing challenges in neoantigen discovery"	
14:15-15:00	
<b>Vasileios Pierros (Athens, GR) "Uniquome: Construction and Decoding of a Novel Proteomic Atlas that Contains New Peptide Entities"</b>	
15:15-15:35	
<b>Rossana De Salvo (Siena, IT) "Decoding the Functional and Interactomic Effects of Cigarette Smoke on Vascular Smooth Muscle Cells"</b>	
15:35-15:55	
<b>Riccardo Marsiglia (Roma, IT) "Successful treatment of recurrent Clostridioides difficile infections utilizing fecal microbiota transplantation in a child with Cystic Fibrosis Screen Positive, inconclusive diagnosis (CFSPID): rating of microbiota engraftment and evaluation of intestinal eubiosis through the metabolomic analysis of SCFAs"</b>	
15:55-16:15	
<b>COFFEE BREAK AND POSTER SESSION (P31-P60 presentations)</b>	
16:15-16:55	
<b>SESSION 2</b> Chair: <b>Dragana Mitic (Belgrade,SRB) and Maria Monti (Napoli, IT)</b>	
<b>Claudia Landi (Siena, IT) "Proteomic and acetylotomic profiling of RICTOR/mTORC2 downregulation in different BRAFV600E melanoma cell lines"</b>	
17:00-17:20	
<b>Emily S. Turilli-Ghisolfi (Insubria,IT/Zurich, SVI)</b> "A proteomics-driven strategy for drug discovery in neurodegeneration: from proteome-wide profiling to PPI-orchestrating small molecules"	
17:20-17:40	
<b>Sabrina Bianco (Napoli, IT) "Disruption of lysosomal and autophagic pathways affects the proteome of Methylmalonic Acidemia"</b>	
17:40-18:00	

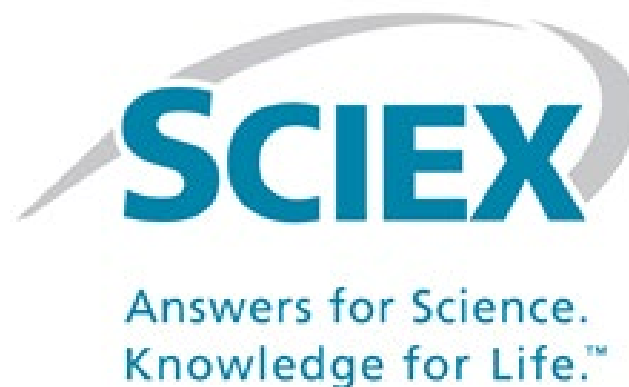
18:30-20:00	WELCOME COCKTAIL
<b>THURSDAY November 28<sup>th</sup>, 2024-Afternoon Conference room</b>	
<b>13:30-14:15</b> <b>LIGHT LUNCH AND POSTER SESSION (P01-P30 presentations)</b>	
<b>SESSION 3</b> Chair: <b>Mauro Fasano (Varese, IT) and George Tsangaris (Athens, GR)</b>	
<b>INVITED SPEAKER</b>  <b>Mauro Fasano (Varese, IT)</b> "From Data To Discovery. The Power Of Integrated Omics And Functional Annotation"	
14:15-14:45	
<b>Kevin Hau (Dortmund, DE) "Small Samples, Big Insights: Advanced Spatial Proteomic Profiling of Central Carbon Metabolism in Clinical Tissues"</b>	
14:50-15:10	
<b>Gabriele Meroni (Milano, IT) "A multi-omic approach to unravel biological insights of bovine milk comparing selective dry cow therapy and antibiotic treatment"</b>	
15:10-15:30	
<b>Anna C. Procopio (Catanzaro, IT) "Epitope prediction of candidates for DIVA strategies of Brucella melitensis"</b>	
15:30-15:50	
<b>COFFEE BREAK AND POSTER SESSION (P31-P60 presentations)</b>	
16:00-16:30	
<b>SESSION 3</b> Chair: <b>Viviana Greco (Roma, IT) and Alessio Soggiu (Milano, IT)</b>	
<b>Leila Birolo (Napoli, IT) "Paleoproteomics and ancient proteins: lessons from the past and current challenges"</b>	
16:30-16:50	
<b>Cristian Piras (Catanzaro, IT) "Bioactive peptides profile in Podolica cow's milk"</b>	
16:50-17:10	

17:10-17:30	<i>Simona Sagona (Pisa, IT) "Is honeybee's nucleoplasmin-like protein involved in the caste polyphenism in Apis mellifera?"</i>
17:30-17:50	<i>Irene Cipollone (Napoli, IT) "Unravelling the peculiar binding modes for c-Kit inhibitors using a LiP-MS approach"</i>
<b>18:00</b> <b>ItPA General Assembly</b>	

11:20 - 11:40	<i>Lavinia Santucci (Roma, IT) "Metabolomics and Lipidomics serum profiling on Down's Syndrome patients for the evaluation of new biomarkers"</i>
11:40 - 12:00	<i>Mara Zilocchi (Milano, IT) "A co-fractionation-mass spectrometry approach to unravel mitochondrial protein complex alterations in neurological disorders"</i>
12:00 - 13:00	<b>AWARDS CEREMONY and CONCLUDING REMARKS (ItPA executive board)</b>
13:00 - 14:00	<b>LIGHT LUNCH- CONGRESS CLOSING</b>

<b>FRIDAY November 29<sup>th</sup>, 2024-Morning Conference room</b>	
<b>SESSION 4</b> <b>Chair: Ina Koch (Frankfurt, DE) and Andrea Urbani (Roma, IT)</b>	
<b>PLENARY LECTURE:</b>	
09:00-09:45	<b>Ina Koch (Frankfurt,DE)</b> <i>"Analysis of protein structures and properties using graph theory and machine learning"</i>
09:50 - 10:10	<i>Giuseppina Fanelli (Viterbo, IT) "Metabolic adaptation of ovaries to heat stress at anthesis in durum wheat lines carrying segmental introgressions from the wild grass Thinopyrum ponticum"</i>
10:10-10:30	<i>Federica di Marco (Chieti, IT) "Proteomics strategies to unveil the biological role of BAG3 through tissue specific BAG3 knockout mouse models"</i>
10:30-11:00	<b>COFFEE BREAK AND POSTER SESSION (P01-P60 presentations)</b>
<b>SESSION 4</b> <b>Chair: Lorenza Putignani (Roma, IT) and Damiana Pieragostino (Cheti, IT)</b>	
11:00 - 11:20	<i>Giulia Capitoli (Monza, IT) "Enhancing Diagnostic Precision in Thyroid Nodules: A Large Institutional Experience with Spatial Proteomics"</i>

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