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## CONGRESS PRESIDENT

### ANDREA URBANI

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

## CONGRESS CHAIRS

### 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

## ORGANISING COMMITTEE

### CHAIR: CLAUDIA DESIDERIO

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### CO-CHAIR: VIVIANA GRECO

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ANIELLO PRIMIANO, Catholic University of The Sacred Heart, Roma, Italy

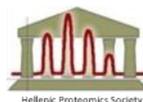
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CAMILLA NERO, Fondazione Policlinico Gemelli - IRCCS, Roma, Italy



**XV International Italian Proteomics  
Association Annual Meeting  
in Partnership with the Hellenic Proteomics  
Society and Serbian Proteomics Association**

**Proteomics and metabolomics  
for personalized medicine**

**Catholic University of the Sacred Heart  
Roma, Italy  
September 8<sup>th</sup> - 10<sup>th</sup> 2021**



UNIVERSITÀ  
CATTOLICA  
del Sacro Cuore



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## SCIENTIFIC COMMITTEE

### PAOLA RONCADA

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### ALESSIO SOGGIU

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### GEORGE TSANGARIS

Biomedical Research Foundation Academy of Athens, Athens, Greece

### TANJA CIRKOVIC VELICKOVIC

Faculty of Chemistry, Centre of Excellence for Molecular Food Sciences, University of Belgrade, Belgrade, Serbia

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## PROGRAM AT GLANCE

<b>WEDNESDAY SEPTEMBER 8<sup>th</sup>, 2021</b> Auditorium Catholic University of the Sacred Heart, Roma, Italy	
<b>13:00-18:30</b>	<b>Congress Registration</b>
<b>14:30 – 14:45</b>	<b>Welcome and opening Session</b> Chair: <b>Andrea Urbani, Roma, Italy and Paola Roncada, Catanzaro, Italy</b>
<b>14.45-15:30</b>	<b>Opening Plenary Lecture:</b> <i>Giovanni Scambia (Roma, IT) Perspective of personalised medicine in gynecological cancers</i>
<b>15:30-16:15</b>	<b>Plenary lecture:</b> <i>Henry Rodriguez (Bethesda, USA) The NCI's clinical proteomic tumor analysis consortium: a new horizon in precision oncology through proteogenomics</i>
<b>SESSION 1</b> Chair: <b>Claudia Desiderio, Roma, Italy and Tiziana Alberio, Varese, Italy</b>	
<b>16:20-16:40</b>	<i>Marianna Caterino (Napoli, IT) Proteomic and metabolomic investigation in Mucopolysaccharidosis IIIB</i>
<b>16:40 – 17:00</b>	<i>Marta Lualdi (Varese, IT) C9ORF72 repeat expansion affects the proteome of primary skin fibroblasts in ALS</i>
<b>17:00 – 17:20</b>	<i>Eleni Zografos (Athens, GR) Proteomic patterns of male breast cancer tumors using mass spectrometry: a step closer to deciphering a rare entity</i>
<b>17:20 – 17:40</b>	<i>Annalisa Castagna (Verona, IT) Proteomic analysis of urinary extracellular vesicles in primary aldosteronism</i>
<b>17:40 - 18:00</b>	<i>Victor C. Carregari (Sao Paulo, BRA) Profile of central nervous system after SARS-CoV2 infection</i>

<b>18:00-18:20</b>	<i>Mario Armelao (Lisboa, PT) Optimizing protein identification results on a novel QTOF instrument with improved sensitivity, using cloud processing</i>
<b>18:30 – 20:00</b>	<b>Welcome Cocktail at Garden of Catholic University of the Sacred Heart</b>

**THURSDAY September 9<sup>th</sup>, 2021**  
Auditorium Catholic University of The Sacred Heart,  
Roma, Italy

**PLENARY SESSION**  
Chair: **Paola Roncada, Catanzaro, Italy and George Tsangaris, Athens, Greece**

<b>09:00 – 09:45</b>	<b>Plenary Lecture:</b> <i>Maurizio Sanguinetti (Roma, IT) Clinical perspectives of microbiota modulation</i>
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<b>09:45 – 10:30</b>	<b>Keynote Lecture:</b> <i>Lorenza Putignani (Roma, IT) Metaproteomics investigation of microbial consortia</i>
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<b>10:30 – 11:00</b>	<b>Coffee break and poster exhibition (P1-P8)</b>
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**SESSION 2**  
Chair: **Margherita Ruoppolo, Napoli, Italy and Alessio Soggiu, Milano, Italy**

<b>11:00 – 11:20</b>	<i>Ekaterina Ilgisonis (Moscow, RU) Scabious: Obesity Research Using Pubmed abstract and DisGeNET</i>
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<b>11:20 – 11:40</b>	<i>Bruno Tilocca (Catanzaro, IT) Goat cheese microbiota investigation on a One-Health perspective</i>
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<b>11:40 – 12:00</b>	<i>Stefano Levi Mortera (Roma, IT) Metaproteomics investigation on the role of the gut microbiota in type 1 diabetes onset</i>
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<b>12:00 – 12:20</b>	<i>Pamela Vernocchi (Roma, IT) Fused omic models and network analysis to assess gut microbiota metabolome biomarkers in pediatric diseases</i>
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<b>12:20 – 12:40</b>	<i>Cristian Piras (Catanzaro, IT) LAP-MALDI MS and machine learning: ambient mass spectrometry ionization serves for high-throughput diagnostics and antibiotic resistance detection</i>
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<b>12:40 – 14:00</b>	<b>Light lunch and poster exhibition (P9-P24)</b>
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**PLENARY SESSION**  
Chair: **Viviana Greco, Roma, Italy and Claudia Desiderio, Roma, Italy**

<b>14:00–14:45</b>	<b>Plenary Lecture:</b> <i>Daniel Martins De- Souza (Sao Paulo, BRA) Does SARS-CoV-2 affect the brain?</i>
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<b>14:45 – 15:30</b>	<b>Keynote Lecture</b> <i>Maria Monti (Napoli, IT) Functional proteomics to unveil molecular details of cellular processes</i>
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**SESSION 4**  
Chair: **Tiziana Alberio ,Varese, Italy and Laura Giusti, Camerino, Italy.**

<b>15:30 – 15:50</b>	<i>Michele Costanzo (Napoli, IT) Effects of neuroglobin overexpression on the proteome of human neuroblastoma cells</i>
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<b>15:50 – 16:10</b>	<i>Pierros Vasileios (Athens, GR) Unique peptide signatures of Sars-Cov-2 proteome</i>
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<b>16:10 – 16:30</b>	<i>Giuseppina Fanelli (Viterbo, IT) Metabolomic approach to identify antiviral defense mechanisms in leukocytes showing in vitro IgG memory from SARS-CoV-2-infected patients</i>
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16:30 – 16:50	<i>Svetlana Murzina (Petrozavodsk, RU)</i> <b>The effects of low-level Helium-Neon (He-Ne) laser irradiation on lipid and fatty acids content, the activity of energetic metabolism enzymes and proteome at the blastula stage and in Underyearlings of the Atlantic salmon <i>Salmo salar</i>: a novel approach in salmonid restoration procedures in the North</b>
16:50 – 17:10	<i>Simona Nonnis (Milano, IT)</i> <b>Integrated omics study delineates the molecular response of the brown algae <i>Sargassum vulgare</i> to water acidification</b>
17:30 ItPA GENERAL ASSEMBLY AND BOARD ELECTION	

FRIDAY September 10<sup>th</sup>, 2021  
Auditorium Catholic University of The Sacred Heart,  
Roma, Italy

**PLENARY SESSION**

Chair: Andrea Urbani, Roma, Italy and Margherita Ruoppolo, Napoli, IT

09:00 – 09:45	<b>Plenary Lecture:</b> <i>Ruggero De Maria (Roma, IT)</i> <b>Clinical perspectives of single cell investigations</b>
09:45 – 10:30	<b>Keynote Lecture:</b> <i>Karl Mechtler (Wien, AT)</i> <b>Label-free and multiplexed single cell proteomics at high-throughput and remarkable sensitivity</b>
10:30– 11:00	Coffee break and poster exhibition (P25-P32)

**SESSION 8**

Chair: Alessio Soggiu (Milano, Italy) and Maria Monti (Napoli, Italy)

11:00 – 11:20	<i>Evangelos Kontopodis (Athens, GR)</i> <b>Uniquome: Deciphering the human uniquome</b>
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11:20 – 11:40	<i>Serena Correnti (Catanzaro, IT)</i> <b>Assessment and Feasibility of a novel procedure for the MALDI-TOF MS analysis of human seminal plasma peptides in the study of male infertility</b>
11:40 – 12:00	<i>Maria Concetta Cufaro (Chieti, IT)</i> <b>Proteomics of FACS-sorted Leukocyte Extracellular Vesicles: new insights into Immune System machinery</b>
12:00 – 12:20	<i>Federica Gevi (Viterbo, IT)</i> <b>Metabolomic approaches towards a functional personalized view of autism spectrum disorders: discovery of biomarkers</b>
12:20 – 12:30	Concluding remarks Andrea Urbani (Roma, IT) and Paola Roncada (Catanzaro, IT)
12:30 – 13:00	Poster Award Ceremony Tiziana Alberio (Varese, IT) and Viviana Greco (Roma, IT)
13:00 – 14:00	Light Lunch and End of the Congress

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