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FONDAZIONE POLICLINICO UNIVERSITARIO "A. GEMELLI" IRCCS, ROMA, ITALY

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FONDAZIONE POLICLINICO UNIVERSITARIO "A. GEMELLI" IRCCS, ROMA, ITALY

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UNIVERSITY MAGNA GRÆCIA, CATANZARO, ITALY

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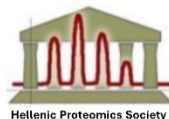
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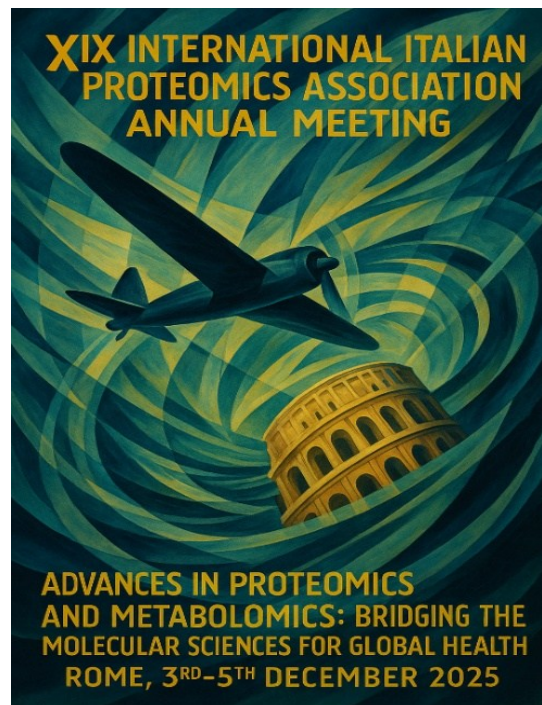
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## XIX INTERNATIONAL ITALIAN PROTEOMICS ASSOCIATION ANNUAL MEETING

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



Auditorium, Congress Center Europa,  
Università Cattolica del Sacro Cuore,  
Largo Francesco Vito, 1  
00168 Roma, ITALY



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## CONFERENCE REGISTRATION FEES

Early registration (until November 3<sup>rd</sup>, 2025):

Senior, ItPA/EuPA member: **180 €**

Senior, non-member: 200 (180+20) €

Young (below the age of 40), ItPA/EuPA member: **130 €**

Young (below the age of 40), non-member: 150 (130+20) €

Late Registration (after November 3<sup>rd</sup>, 2025):

Senior and Young, member and non-member: **250 €**

Industry – Companies: **300 €** plus vat 22%

To register please fill in the google registration form available on the [ItPA website](#) and follow the instructions.

## GENERAL INFORMATION

### CONGRESS VENUE

Auditorium, Congress Center Europa, Università Cattolica del Sacro Cuore, Largo Francesco Vito 1, 00168 Roma, ITALY.

### OFFICIAL LANGUAGE

The Congress official language will be English.

### ABSTRACTS AND POSTERS

The abstracts submission deadline for oral and poster communications is **November 3<sup>rd</sup>, 2025**. Posters will be displayed from December 3<sup>rd</sup> to December 5<sup>th</sup>, 2025. During poster sessions the presence of one of the authors is required. Presentations from young corresponding authors will be nominated for "best poster" and "best oral" prize competitions.

### 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 light lunches will be served at the venue.

### ACCOMMODATION

The list of recommended hotels is available on the [ItPA website](#).

## CONFIRMED INVITED SPEAKERS

**Catherine Alix-Panabières**, University of Montpellier.

**Carsten Hopf**, Mannheim University of Applied Sciences.

**Margherita Ruoppolo**, Università degli Studi di Napoli Federico II.

**Paul Wilmes**, Luxembourg Centre for Systems Biomedicine.

**Alejandro Cifuentes**, National Research Council of Spain (CSIC), Madrid.

**Tommaso Mazza**, Fondazione Policlinico Universitario “A. Gemelli” IRCCS, Roma.

**Simone Cardaci**, Ospedale San Raffaele IRCCS, Milan.

**Victor Corasolla Carregari**, Università Cattolica del Sacro Cuore, Roma.

**Alessio Soggiu**, Università degli Studi di Milano.

## PROGRAM AT A GLANCE

DAY 1 – Wednesday, December 3 <sup>rd</sup>	
13:00	CONGRESS REGISTRATION
14:00 - 16:00	<b>WORKSHOP:</b> <b>“Decoding the Dark Side of Mitochondria: from Genome to Proteome and Beyond”</b>  Chair: <i>Viviana Greco</i>  <u>Distinguished speaker: Tommaso Mazza</u> <b>“The mitochondrial proteogenome: assessing the functional impact of variants through computational methods”</b>  <i>Matteo Bordi</i> <b>“Bridging rare genetic disorders and mitochondrial homeostasis: the case of ADSL deficiency”</b>  <i>Eugenio Barone</i> <b>“From proteome to powerhouse: uncovering mitochondrial dysfunctions linking type-2 diabetes and Alzheimer’s disease”</b>  <i>Maria Eugenia Soriano</i> <b>“Title tbd”</b>

16:00 - 16:30	COFFEE BREAK
16:30 - 16:45	WELCOME AND OPENING
16:45 - 17:20	<b>PLENARY LECTURE:</b>  <i>Catherine Alix-Panabières</i> <b>“Liquid biopsy: the rise of a medical revolution”</b>
17:20 – 17:45	<b>HPS KEYNOTE LECTURE:</b>  <i>George Tsangaris</i> <b>“The secret life of peptides”</b>
17:45 – 18:30	<b>SELECTED ORAL PRESENTATIONS FROM ABSTRACTS:</b>  17:45 – 18:00 <i>Riccardo Stucchi</i> , Thermo Fisher Scientific <b>“Leveraging advanced MS technology for in depth immunopeptide profiling and PTMs analysis”</b>  18:00 – 18:15 <i>Anastasia Alexandridou</i> <b>“Proteomics on the side of rapid diagnosis and personalized treatment of rare neuromuscular diseases”</b>  18:15 – 18:30 <i>Alessio Di Ianni</i> <b>“Intrinsic N-Terminal Reactivity of Carbamate-based Cross-Linkers and their improved analysis”</b>
18:30	WELCOME COCKTAIL

DAY 2 – Thursday, December 4 <sup>th</sup>	
Morning - SESSION 1	
09:00 – 09:35	<b>PLENARY LECTURE:</b>  <i>Carsten Hopf</i>

	<b>“Advances in MS-based spatial omics: applications in neurodegeneration, cancer and pathobiochemistry research”</b>
09:35 – 10:00	<b>KEYNOTE LECTURE:</b>  <i>Victor Corasolla Carregari</i> <b>“Revealing proteomic and phosphoproteomic changes in the temporal lobe, frontal cortex, and corpus callosum of post-mortem brains from patients with schizophrenia”</b>
10:00 – 10:30	<b>SELECTED ORAL PRESENTATIONS FROM ABSTRACTS:</b>  10:00 – 10:15 <i>Sabrina Bianco</i> <b>“Multiomics-based fluxomics modelling reveals metabolic rewiring in methylmalonic acidemia”</b>  10:15 – 10:30 <i>Sara Lomuscio</i> <b>“Bridging proteomics and metabolomics through effective sample preparation”</b>
10:30 – 11:00	COFFEE BREAK
11:00 - 13:00	<b>SELECTED ORAL PRESENTATIONS FROM ABSTRACTS:</b>  11:00 – 11:15 <i>Louna Moles</i> , Affinisep <b>“High-throughput SPE membrane approaches for peptide cleanup and enrichment”</b>  11:15 – 11:30 <i>Marica Cozzolino</i> <b>“Mitochondrial proteomics and metabolomics highlight energy</b>

	<b>metabolism disruption in methylmalonic acidemias”</b>  11:30 – 11:45 <i>Valentina Carbonari</i> <b>“Leveraging computational methods for the analysis of the structural impact of the mutational landscape of proteins”</b>  11:45 – 12:00 <i>Esther Imperlini</i> <b>“Gaining insights into the anticancer activity of an antimicrobial myristoylated peptide by integrating proteomics and bioinformatics”</b>  12:00 – 12:15 <i>Ilaria Cicalini</i> <b>“Untargeted metabolomics approach for unraveling novel Gaucher disease biomarkers on dried blood spot”</b>  12:15 – 12:30 <i>Pierre-Olivier Schmit, Bruker</i> <b>“Enhanced immunopeptide identification using MIDIA-PASEF: a novel timsTOF scan mode”</b>  12:30 – 12:45 <i>Valeria Bica</i> <b>“Phosphoproteomics reveals novel BCR::ABL1-independent mechanisms of resistance in chronic myeloid leukemia”</b>
12:45 - 14:00	<b>LIGHT LUNCH &amp; POSTER SESSION</b>
<b>Afternoon - SESSION 2</b>	
14:00 – 14:35	<b>PLENARY LECTURE:</b>  <i>Margherita Ruoppolo</i> <b>“From diagnosis to cellular mechanisms: decoding rare inherited</b>

	<b>metabolic disorders through proteomics, metabolomics and lipidomics”</b>
14:35 - 15:00	<b>KEYNOTE LECTURE:</b>  <i>Simone Cardaci</i> <b>“Targeting metabolic vulnerabilities in cancer and inflammation”</b>
15:00 – 15:30	<b>SELECTED ORAL PRESENTATIONS FROM ABSTRACTS:</b>  15:00 – 15:15 <i>Manuela Piazzzi</i> <b>“Alternative splicing of transcripts encoding the innate immune, stress-activated protein kinase PKR”</b>  15:15 – 15:30 <i>Anna C. Procopio</i> <b>“In silico analysis for the development of a multiepitope-based vaccine against the monkeypox”</b>
15:30 - 16:00	<b>COFFEE BREAK</b>
16:00 - 17:00	<b>SELECTED ORAL PRESENTATIONS FROM ABSTRACTS:</b>  16:00 – 16:15 <i>Armando Cevenini</i> <b>“Quantitative proteomics of plasma protein corona of an innovative type of albumin nanoparticle obtained by supramolecular self-assembly”</b>  16:15 – 16:30 <i>Ann-Christine König</i> <b>“Improve biomarker discovery: Enrichment-based workflows for plasma, serum and CSF allow rapid, in-depth analysis of large cohorts of samples”</b>

	16:30 – 16:45 <i>Lucia Santorelli</i> <b>“Integrated Linear and Cross-linking Proteomics reveal stress-adaptive Endoplasmic Reticulum dynamics”</b>  16:45 – 17:00 <i>Pierros Vasileios</i> <b>“A Uniquome based method for the protein identification by mass spectrometry”</b>
17:00	<b>ItPA GENERAL ASSEMBLY</b>

<b>DAY 3 – Friday, December 5<sup>th</sup></b>	
<b>Morning - SESSION 3</b>	
09:00 – 09:35	<b>PLENARY LECTURE:</b>  <i>Paul Wilmes</i> <b>“Systems ecology of the microbiome: resolving proteins and metabolites critical to human health and disease”</b>
09:35 - 10:00	<b>KEYNOTE LECTURE:</b>  <i>Alessio Soggiu</i> <b>“T6SS and beyond: molecular mechanisms shaping <i>Campylobacter-Bacillus</i> competition and proteome dynamics in a one health context”</b>
10:00 – 10:30	<b>SELECTED ORAL PRESENTATIONS FROM ABSTRACTS:</b>  10:00 – 10:15 <i>Kevin Hau</i> <b>“SSIMO – Single Section Integrative Multi-Omics – spatial mapping of metabolites and lipids combined with regional specific proteomics in a single tissue slice”</b>

	10:15 – 10:30 <i>Fabio Di Ferdinando</i> <b>“High-Resolution AP MALDI-MSI Identifies Lipid Metabolic Signature in the Marinesco-Sjogren Syndrome mouse model Woozy”</b>
10:30 - 11:30	<b>COFFEE BREAK &amp; POSTER SESSION</b>
11:30 - 12:30	<b>SELECTED ORAL PRESENTATIONS FROM ABSTRACTS:</b>  11:30 – 11:45 <i>Maria Claudia Gatto</i> <b>“Decoding Copper Adaptation mechanisms in Marine Bacteria through Multi-Omics and Network Analysis”</b>  11:45 – 12:00 <i>Simone Dario Scilabra</i> <b>“Proteomics-based development of iRhom2 inhibitors”</b>  12:00 – 12:15 <i>Gabriele Marcassa</i> <b>“Synaptic signatures and disease vulnerabilities of layer 5 pyramidal neurons”</b>  12:15 – 12:30 <i>Giorgia Massacci</i> <b>“Integration of Immunopeptidomics and Phosphoproteomics: From Kinase Control to Antigen Presentation”</b>
12:30 - 13:00	<b>AWARDS AND CLOSING</b>
13:00 - 14:00	<b>LIGHT LUNCH</b>
14:00 - 18:00	<b>WORKSHOP:</b> <b>“Proteomics: meeting the exposome”</b>  <i>Chair: Paola Roncada</i>

	<u>Distinguished speaker: Alejandro Cifuentes</u> <b>“Frontiers in foodomics: technologies, applications, and future directions”</b>  <i>Emanuela Laratta</i> <b>“Detection and characterization of microplastics in edible marine species: implications for human and environmental health”</b>  <i>Mariachiara Paonessa</i> <b>“Gastric and intestinal digestion of infant formula in the presence of polypropylene nanoplastics”</b>  <i>Anna C. Procopio</i> <b>“Emerging evidence and implications for global health of interactions between microplastics and the microbiota”</b>
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