<table>
<thead>
<tr>
<th>Time</th>
<th>Session 1 - MS in cutting edge applications. Chairs: Carlo Bicchi &amp; Luciano Navarini</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.30</td>
<td>Enrico Ferraris, Museo Egizio: Museo Egizio 2024: Paving the way for a critical interplay between museology, archaeometry and storytelling.</td>
</tr>
<tr>
<td>14.50</td>
<td>Ilaria Degano, Università di Pisa: Mass spectrometry in museums and archaeology of the invisible.</td>
</tr>
<tr>
<td>15.20</td>
<td><em>Coffee break + poster presentations</em></td>
</tr>
<tr>
<td>15.50</td>
<td>Francesco Cubadda, Istituto Superiore di Sanità: Cutting edge mass spectrometry approaches for analytical detection and characterisation of nanoparticles.</td>
</tr>
<tr>
<td>17.10</td>
<td>Andrea Perissi, Waters: PFAS Analysis: existing solutions and future perspectives to successfully take on evolving analytical needs and regulations compliance challenges.</td>
</tr>
<tr>
<td>17.10</td>
<td>Gaia Cermenati, DASP Srl: Identification of Extractable and Leachable compounds combining compound-specific libraries with the high-resolution mass spectrometry.</td>
</tr>
</tbody>
</table>

### Flash oral presentations

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Institution</th>
<th>Presentation Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>17.25</td>
<td>Marco Pallecchi</td>
<td>Università di Firenze</td>
<td>First Ion Trap application of LEDA algorithm for the recognition of positional isomers simultaneously present in human plasma.</td>
</tr>
<tr>
<td>17.25</td>
<td>Alice Sosic</td>
<td>Università di Padova</td>
<td>Multifaceted aspects of antiviral drugs targeting RNA: elucidation of multicomponent interactions by native MS.</td>
</tr>
<tr>
<td>17.25</td>
<td>Marco Pazzi</td>
<td>Università degli Studi di Torino</td>
<td>Comprehensive GCxGC chromatography in the study of an explosive devices: a real-life case.</td>
</tr>
<tr>
<td>17.25</td>
<td>Paola Di Matteo</td>
<td>Sapienza-Università di Roma</td>
<td>Metabolic profile of Agropyron repens (L.) P. Beauv. rhizome herbal tea by HPLC-PDA-ESI-MS/MS: antioxidants, phytotoxins and the unexpected tryptophan.</td>
</tr>
<tr>
<td>17.25</td>
<td>Alice D'Angelo</td>
<td>Isotope Tracer Technologies Europe Srl</td>
<td>Development and application of CEN 15522/2012 methodology on samples of oil, sediment and groundwater by GC-MS.</td>
</tr>
<tr>
<td>17.25</td>
<td>Carmela Zacometti</td>
<td>Istituto Zooprofilattico Sperimentale delle Venezie</td>
<td>Ambient mass spectrometry guides the selection of confirmatory methods in accidental and intentional poisoning of animals.</td>
</tr>
<tr>
<td>17.25</td>
<td>Rachele Rocchi</td>
<td>Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise</td>
<td>First determination of the banned pesticide 4,6-dinitro-ortho- cresol (DNOC) in poisoned animals of Italy.</td>
</tr>
</tbody>
</table>

18.25 | Premio Giovanni Galli e Marzia Galli Kienle |
18.35 | Oral vincitore Premio Galli Kienle |
19.00 | Welcome party |
Antonietta Lombardozzi  
Dipartimento di P.S. – Direzione Centrale Anticrimine della Polizia di Stato – Servizio Polizia Scientifica, Roma  
The integrated application of forensic sciences 120 years after Ottolenghi.

Morela Strano  
Dipartimento di P.S. – Direzione Centrale Anticrimine della Polizia di Stato – Servizio Polizia Scientifica – Gabinetto Interregionale per il Piemonte e la Valle d’Aosta, Torino  
Mass spectrometry: a versatile technique applied in academic research in support of forensic investigations.

Vincenzo Bennardo  
Vigili del Fuoco  
I Vigili del Fuoco e la Spettrometria di Massa: dal mondo della combustione allo ione molecolare.

Daniele Merli  
Università degli Studi di Pavia  
Photodegradation of Cannabidiol (CBD) and THC in Cannabis vegetable material: a GC-MS study.

Marta Massano  
Università degli Studi di Torino  
Dried Blood Spots (DBS): an innovative and promising technique in a multitude of analytical disciplines.

Giada Furlan  
Carabinieri RIS Parma  
Potenzialità e limiti della spettrometria di massa nelle indagini forensi: studio di casi reali relativi ad esplosivi, avvelenamenti e tossicologia classica.

Coffee break + poster presentations

Alberto Salomone  
Università degli Studi di Torino  
Mass Spectrometry-based approaches to investigate the prevalence of new psychoactive substances and doping agents.

Antonella Lamonaca  
Institute of Sciences of Food Production, CNR-ISPA, Bari  
Comprehensive proteomic and metabolomics characterization by HR-MS of lentil hulls for by-products valorization in a circular economy perspective.

Giovanni Ventura  
Università degli Studi di Bari Aldo Moro  
PE, or not PE, that is the question: the case of overlooked lyso-N-acyl-phosphatidylethanolamines (L-NAPE).

Valentina Brombin  
Università di Ferrara  
Isotope geochemistry for seafood traceability at local scale: The Northern Adriatic manila clams case study.

Mathieu Merlet  
Institut Agricole Régional, Valle d’Aosta  
Milk Protein Polymorphisms of Autochthonous Aosta Valley Cattle Breeds.

Mariachiara Bianco  
Università degli Studi di Bari Aldo Moro  
Mass spectrometry and bioinformatics as a tool for identifying putative allergenic proteins in novel foods.

Rosalia Zanni  
Istituto Zooprofilattico Sperimentale della Puglia e della Basilicata  
The effect of X-ray irradiation on volatile profile of Robiola cheese.

Sabina Valentini  
Institut Agricole Régional, Valle d’Aosta  
Proteolytic Peptides as Molecular Markers of Quality in Fontina PDO Cheese Typically Produced in Aosta Valley Mountain Pasture.

Angela Di Capua  
Università degli Studi della Basilicata  
The use of high-resolution mass spectrometry as an enhanced tool for quality classification of food raw materials.

Giancarlo Quaglia  
Lifeanalytics Srl  
High Resolution Mass Spectroscopy (LC-HRMS) in conjunction with Isotopic Ratio Mass Spectroscopy (EA-LC/IRMS) an innovative approach to honey authenticity definition.

Lunch

Michael Hellwig  
Technische Universität Dresden  
Analysis of oxidized and glycated amino acids in food: why mass spectrometry is essential.

Ilario Losito  
Università degli Studi di Bari Aldo Moro  
Facing complex analytical challenges in food analysis: the role of mass spectrometry.

Greta Bindi  
Università degli Studi di Milano-Bicocca  
What's brewing? Mapping the distribution of bioactive compounds in green C. arabica coffee beans through MS-driven spatial metabolomics.

Mirko De Rosso  
Council for Agricultural Research and Economics-Research Centre for Viticulture and Oenology  
Study of resistant vine varieties cultivated in dry environment and suitable to produce high-quality wines without using pesticides by high-resolution MS.
<table>
<thead>
<tr>
<th>Time</th>
<th>Name</th>
<th>Institution</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>16.00</td>
<td>Andrea Dell'Olio</td>
<td>Wageningen University and Research (NL), Edmund Mach Foundation (IT), National Research council (IT)</td>
<td>On-line tracking of the human gut microbial metabolism: high-throughput screening during colonic in-vitro fermentation.</td>
</tr>
<tr>
<td>16.15</td>
<td>Simone Moretti</td>
<td>Istituto Zooprofilattico Sperimentale dell’Umbria e delle Marche</td>
<td>Characterization of PerFluoroPolyEtherCarboxylic Acids (PFPECAs) in wild boar liver and egg samples.</td>
</tr>
<tr>
<td>16.30</td>
<td></td>
<td></td>
<td>Tea break + poster presentations</td>
</tr>
<tr>
<td>17.00</td>
<td>Fabiana Piscitelli</td>
<td>CNR Pozzuoli</td>
<td>LC-MS quantitative method validation and performance: an exemplified guide.</td>
</tr>
<tr>
<td>17.20</td>
<td>Roberta Galarini</td>
<td>Istituto Zooprofilattico Sperimentale dell’Umbria e delle Marche</td>
<td>Analytical method validation within the European official food control: an overview.</td>
</tr>
<tr>
<td>17.40</td>
<td>Consolato Schiavone</td>
<td>Istituto Nazionale di Ricerca Metrologica</td>
<td>Metrology in support of food safety: validation of targeted method for the detection of PFAS in rice and maize</td>
</tr>
<tr>
<td>17.55</td>
<td>Dana Ivana Privitera</td>
<td>Università degli Studi di Torino</td>
<td>Development and application of a sustainable approach for the determination by UHPLC-MS/MS of 95 pharmaceutical substances and metabolites in wastewater.</td>
</tr>
<tr>
<td>18.10</td>
<td>Daniela Peroni</td>
<td>SRA Instruments SpA</td>
<td>Challenges and opportunities for a greener and sustainable GC-MS with hydrogen as carrier gas.</td>
</tr>
<tr>
<td>18.25</td>
<td>Emanuele Ceccon</td>
<td>Restek Srl</td>
<td>Why do choose biphenyl stationary phase as first. Pi-Pi mechanism and how to use it.</td>
</tr>
<tr>
<td>18.40</td>
<td></td>
<td></td>
<td>Assemblea soci DSM</td>
</tr>
<tr>
<td>20.30</td>
<td></td>
<td></td>
<td>Cena sociale</td>
</tr>
</tbody>
</table>
09.00  Nicola Zamboni  ETH - ZURICH  Citius, altius, facilius: untargeted metabolomics in routine analysis.
09.40  Nico Mitro  Università degli Studi di Milano  Mass spectrometry-based metabolomics for understanding the control of metabolism in health and disease.
10.00  Marcello Manfredi  Università del Piemonte Orientale  A combined metabolomic-machine learning approach for precision medicine in early breast cancer.
10.15  Francesco Chiara  Crescendo Care srl  Thiometabolome investigation through UHPLC-MS/MS approach.
10.30  Barbara Prandi  Università di Parma  Mass spectrometry in the determination of the immunogenic potential of ancient and modern grains for celiac subjects.
10.45  Coffee break + poster presentations
11.15  Andrew Smith  Università degli Studi di Milano-Bicocca  Rendering the invisible visible: Adding a molecular dimension to pathology with mass spectrometry driven spatial proteomics.
11.35  Gregorio Peron  Università di Brescia  MS-based metabolomics in nutritional research: how molecular markers can help to tailor diets for the promotion of a healthy gut and healthy aging.
11.50  Antonio Recchiuti  Università degli Studi “G. d’Annunzio” Chieti  Measurement of CFTR Modulator Drugs in Human Blood and Milk via LC-MS/MS: Opportunities for Precision Therapy in Cystic Fibrosis.
12.05  Riccardo Stucchi  Thermo Fisher  Pushing Frontiers of High-throughput High-resolution Analysis: Orbitrap Technology Unites with a New Star.
12.20  Andrea Di Ianni  Università degli Studi di Torino  Mass spectrometry-based immunopeptidomics as a tool to predict immunogenicity potential of protein therapeutics in preclinical phase.
12.35  Nicola Cimino  Agilent Technologies  Targeted Metabolomics Workflow by LC/TQ HILIC analysis.
12.50  Simona Liuzzi  A.O.U. Città della Salute e della Scienza di Torino – Molinette Hospital  Mass Spectrometry approach to investigate pyrimidines and creatine in metabolism disorders.
12.50  Andrea Castellaneta  Università degli Studi di Bari Aldo Moro  Epoxidation of the C=C bond as an aid to the high-resolution tandem mass spectrometry-based identification of boswellic acids and their isomers in the lipophilic extract of Boswellia Serrata gum resin.
12.50  Chiara Maccari  Università di Parma  Obstructive Sleep Apnea Syndrome and obesity: the role of urinary oxidative stress biomarkers.
12.50  Simone Serrao  Università degli Studi di Milano-Bicocca  Deceiving on central nervous system trehalose activity
12.50  Nicolò Riboni  Università di Parma  Ultra-high Performance Liquid Chromatography - Ion Mobility - High Resolution Mass Spectrometry to study the metabolomic response of wheat grain to sustainable treatments
12.50  Isabella Piga  Università degli Studi di Milano-Bicocca  Spatially resolved inteRASomics: Can MS-imaging decipher RAS mutational status in thyroid cancer looking at RAS interacting proteins?
12.50  Simona Cirrincione  Institute of the Science of Food Production (ISPA)  Application of a micro HPLC-HRMS system for the proteomic shot-gun analysis of the walnut oleosome.
12.50  Isabelle Fabrizi  University of Lille  Identification and quantification of collagen crosslinks in paleontological bones by proteomics: a new way for bone dating.
13.50  Awards and closing remarks: Giuliana Bianco, Chiara Cordero, Marilena Gili
14.00  Box Lunch su prenotazione