

Giovedì 25 maggio

12:00 - Allestimento poster / rinfresco di benvenuto - Aula vittime innocenti di tutte le Mafie

13:30 - Registrazione - Aula Magna Aldo Cossu

14:00 - Welcome and opening ceremony

Presidentessa Divisione Spettrometria di Massa SCI - Prof.ssa Giuliana Bianco

Coordinatore SCI Giovani Divisione Spettrometria di Massa- Dott.ssa Flaminia Vicenti

Delegato del direttore del Dipartimento di Chimica - Prof. Tommaso Cataldi

Presidente SCI Puglia - Prof. Antonio Monopoli

Presidente Euchems - Prof.ssa Angela Agostiano

Moderatori: dott. Federico Fanti & dott. Giovanni Ventura

14:30 - PL - Region-specific lipid markers of plaque outcome revealed by mass spectrometry imaging of human carotid atherosclerotic plaques - Francesco GRECO - Fondazione Monasterio Pisa

15:00 - OR 1 - Mass spectrometric characterization of methyl carbamates of phosphatidylethanolamines and phosphatidylserines generated in the mitochondrial lipid extracts of mouse embryonic fibroblasts -

Andrea CASTELLANETA - Università degli Studi di Bari Aldo Moro

15:13- OR 2 - Mass spectrometry in urinary cotinine determination as a passive tobacco smoke biomarker -

Chiara MACCARI - Università degli Studi di Parma

15:26 - OR 3 - BAG3 in glucose homeostasis: proteomics characterization of BAG3 knockout in pancreatic β -cells - un update - Federica DI MARCO - Università di Chieti-Pescara G. D'Annunzio

15:39 - OR 4 - Capillary Electrophoresis-Mass Spectrometry for Comprehensive Profiling of Free and Conjugated Estrogens - Luciano CALLIPO - AGILENT

15:52 - OR 5 - LC/MS-MS assessment of CFTR Modulators Concentrations in Biological Fluids from Adult and Children with Cystic Fibrosis - Matteo MUCCI - Università degli Studi "G. d'Annunzio" Chieti - Pescara

16:05 - 16:20 Pausa Caffè

Moderatori: dott. ssa Flavia Pagano & dott. ssa Sara Palmieri

16:25 - K1 - Mass spectrometry for the characterization of organic materials: from ancient to contemporary artworks - Elena RIGANTE- Università degli Studi di Bari Aldo Moro

16:45 -OR 6 - Natural rubber: a tricky matrix for proteomics -

Ludovica Sofia GUADALUPI - Università degli Studi di Bari Aldo Moro

16:58 - OR 7 - Simultaneous determination of chlorinated and phosphorus organic pesticides and PAHs in honey samples for identifying anthropogenic impacts and related sources -

Sergio PASSARELLA - Università degli Studi del Molise

17:11 - OR 8 - PFAS extraction from water and wastewater using an off-line multi-SPE prototype equipment for high throughput and sensitivity LC-MS analysis - Sara GRANAFEI - Servizi Chimici Ambientali s.r.l.

17:24 - OR 9 - Atmospheric Bulk Deposition of Polycyclic Aromatic Hydrocarbons in the City of Rome -

Giuseppe IANIRI - Istituto Superiore di Sanità

17:40 - POSTER SESSION & Fcazz e Birr

Venerdì 26 maggio

Moderatori: dott.ssa M. Assunta Acquavia & dott.ssa Mariachiara Bianco

09:00 - Key 2 - QqQ-LIT mass spectrometry strategies for the identification of polyphenols in food matrices and waste product - **Eleonora OLIVA** - Università degli Studi di Teramo

09:20 - OR 10 - Exploring the Metabolome of Pistachio Kernels and By-products through FT-ICR Mass Spectrometry - **Cinzia LELLA** - Università degli studi di Bari Aldo Moro

09:33 - OR 11 - Protein profiling and varietal comparison of lentils seeds and hulls by discovery proteomics - **Antonella LAMONACA** - CNR-ISPA & Università degli studi di Bari Aldo Moro

9:46 - OR 12 - Dispersive Liquid-Liquid Microextraction followed by GC-MS Analysis for Determining Phthalates Released in Preserved Meats - **Mariolina FANELLI** - Università del Molise

9:59 - OR 13 - Determination of 2-dodecylcyclobutanone and 2-tetradecylcyclobutanone as markers in X-ray irradiated dairy products by HS-SPME/GC-MS analysis - **Andrea CHIAPPINELLI** - Istituto Zooprofilattico Sperimentale della Puglia e della Basilicata

10:12 - OR 14 - Untargeted metabolomic analysis of Parmiggiano Reggiano PDO using a multivariate curve resolution approach - **Samuele PELLACANI** - Università degli Studi di Modena e Reggio Emilia

10:25 - OR 15 - Shotgun Proteomic Analysis of an Italian Chickpea Genotype - **Aldo LANZONI** - Università di Catania

10:38 - OR 16 - Development of innovative methods for multi allergen quantification in processed foods - **Anna LUPARELLI**- CNR-ISPA

10:51 - OR 17 - Enrichment of Phosphorylated Peptides in Insect Flour Using Molecularly Imprinted Polymers - **Simona RIGANTI** - Università degli studi di Bari Aldo Moro

11:05 - 11:35 Pausa Caffè

Moderatori: dott Davide Coniglio & dott.ssa Fabiola Eugelio

11:35 - Invited - Material screening by Inductively Coupled Plasma Mass Spectrometry for characterization of background in low radioactivity experiments - **Francesco FERELLA** - INFN - LNGS

11:55 - OR 18 - Comparison of two validated methods for determination of L-dopa in *Vicia faba* L. and *Phaseolus vulgaris* L. beans - **Carmen TESORO** - Università di Basilicata

12:08 - OR 19 - Spatial mapping of multiple neurotransmitters in a model of cognitive impairment: MALDI-Mass Spectrometry Imaging as support to novel CB2 agonist discovery - **Emanuela SALVIATI** - Università di Salerno

12:21 - OR 20 - Application of a Nano Ultra-Performance Liquid Chromatography-High Resolution Mass Spectrometry platform for the characterization of the modification induced by small molecule inhibitors on the Lysines Acetylome profile of H3 and H4 - **Manuela Giovanna BASILICATA** - Università di Salerno

12:34 - OR 21 - Development, validation and application to large cohort screening of a sub-5 min 4D Lipidomics approach - **Fabrizio MERCIAI** - Università di Salerno

12:47 - OR 22 - Bio-orthogonal non-canonical amino-acid tagging (BONCAT) of pancreatic ductal adenocarcinoma - **Asia BOTTO** - Università di Pisa & Fondazione Pisana per la Scienza ONLUS

13:00 - Saluti Presidente SCI - **Prof. Gianluca Farinola**
Delegata DSM SCI Giovani - **Flaminia Vincenti**

13:30 - 14:30 - POSTER SESSION & pranzo

Poster Session

P01 - *Magnetic Solid Phase Extraction: a new method for the determination of synthetic cannabinoids in hair* - **Martina CROCE** - UniROMA1

P02 - *Sterols in the offshoots of globe artichokes: an investigation by liquid chromatography and Fourier-transform mass spectrometry with atmospheric pressure chemical ionization* - **Valeria CINQUEPALMI** - Università degli Studi di Bari Aldo Moro

P03 - *Analysis of volatile compounds of dried fruit wastes by HS/SPME- GC/MS* - **Cristina DE NIDO** - Università degli studi di Foggia

P04 - *Innovative analytical tools for the detection of New Psychoactive Substances by high-resolution mass spectrometry* - **Gaia DI FRANCESCO** - Sapienza - Università di Roma

P05 - *Cell-Surface Proteomics of Pancreatic Ductal Adenocarcinoma Cells and Exosomes* - **Noa NDIMURWANKO** - Fondazione Monasterio Pisa

P06 - *Development and validation of a suitable method for the determination of secondary metabolite of THC* - **Francesco DELLA VALLE** - Università degli Studi di Teramo

P07 - *Development of an UPLC-MS/MS method for the evaluation of quinolizidine alkaloids profile in lupins* - **Fabiola EUGELIO** - Università degli Studi di Teramo

P08 - *Validation of a confirmatory analytical method for the determination of pesticides in fish samples by GC-MS/MS* - **Mariateresa INGEGNO** - Istituto Zooprofilattico Sperimentale di Puglia e Basilicata

P09 - *An in vivo gas chromatography-mass spectrometry evaluation of silicone oil contaminants and their possible correlation with retinal detachment* - **Erika RIBEZZI** - Università degli Studi di Parma

P010 - *Multi-residues pesticides analysis in honey samples by high resolution mass spectrometry* - **Ines DELLA ROVERE** - Istituto Zooprofilattico Sperimentale di Puglia e Basilicata

P011 - *Early-stage formation of dicarboxylic acids in mock-up samples investigated by RPLC-ESI-MS* - **Davide CONIGLIO** - Università degli Studi di Bari Aldo Moro

P012 - *Identification of Spirulina allergenic proteins through liquid chromatography and mass spectrometry by marker peptides* - **Mariachiara BIANCO** - Università degli Studi di Bari Aldo Moro