



Alghero

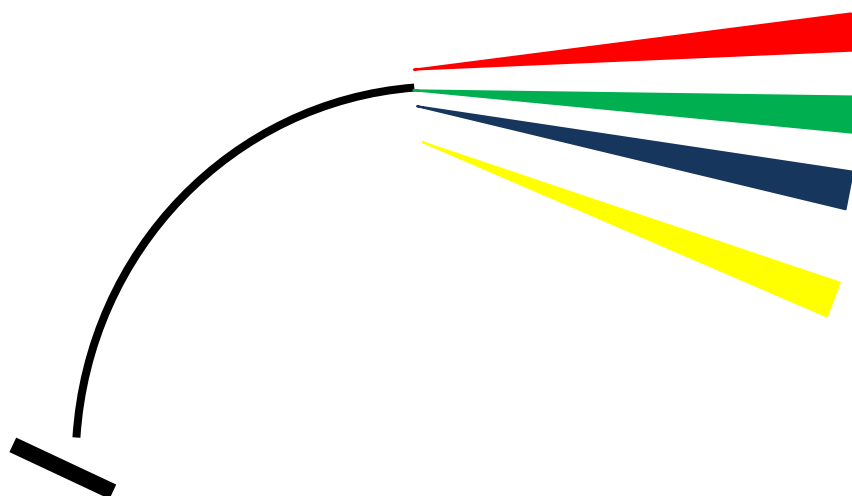
June 10-12, 2015



Italian Chemical Society
Division of Mass Spectrometry



ISTITUTO
ZOOPROFILATTICO
SPERIMENTALE
DELLA SARDEGNA
“G. Pegreffi”



MASSA 2015

Alghero

June 10-12, 2015

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Università degli Studi di Sassari



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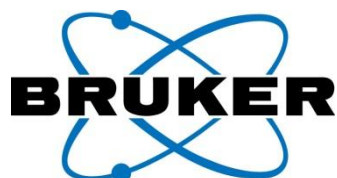
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SCIENTIFIC PROGRAM

Wednesday, June 10, 2015

- | | |
|------------|---|
| 12:00 p.m. | Registration |
| 2:00 p.m. | Welcome addresses

Gianluca Giorgi
President of the Division of Mass Spectrometry of the Italian Chemical Society

Massimo Carpinelli
Magnifico Rettore Università di Sassari

Direttore Generale IZS Sardegna

Cecilia Testa
MASSA 2015 Chair |
| 2:20 p.m. | DSM Awards & Fellowship Ceremony |
| 2:30 p.m. | Session 1
Chairs: Fulvio Magni, Daniela Pagnozzi |
| 2:30 p.m. | PL1: Identification and quantification of protein post-translational modifications as biomarkers for disease
<i>Catherine E Costello, Joseph Zaia, Cheng Lin, Mark E. McComb (Boston University - USA)</i> |
| 3:10 p.m. | OR1: IDM: a data management system for high-throughput proteomics
<i>Cristiana Labella, Giuliana Bianco, Patrizia Falabella, Raffaella Pascale, Simona Laurino, Gerarda Grossi, Giansalvatore Mecca, Donatello Santoro, Enzo Veltri, Basem Kanawati, Philippe Schmitt- Kopplin, Heiko Vogel (Università degli Studi della Basilicata - Potenza)</i> |
| 3:30 p.m. | OR2: Evaluation of peptidome stability of gingival crevicular fluid by MALDI-TOF mass spectrometry
<i>Giuseppina Maggisano, Mariaimmacolata Preianò, Rocco Savino, Rosa Terracciano (Università "Magna Græcia"- Catanzaro)</i> |
| 3:50 p.m. | OR3: Targeted lipidomics profile and NMR metabolomics of injured mouse brain
<i>F. Piscitelli, D. Paris, D. Melck, C. Giordano, L. Luongo, S. Maione, A. Motta, V. Di Marzo (ICB-CNR – Pozzuoli NA)</i> |
| 4:10 p.m. | Coffee break |
| 4:30 p.m. | Session 2
Chairs: Guglielmo Dusi, Paolo Urgeghe |
| 4:30 p.m. | PL2: Decision 657/2002/EC in official control laboratories: evolution of confirmation criteria
<i>Antoni Rubies Prat, Francesc Centrich (Laboratory of the Public Health Agency - Barcellona - Spain)</i> |

- 5:10 p.m. **OR4: Informatics tools to manage validation data of multiresidue analytical methods**
Roberta Galarini, Simone Moretti, Sara Romanelli, Giampiero Scortichini, Francesca Lega,
 Luca Scrucca. (Istituto Zooprofilattico Sperimentale dell'Umbria e delle Marche)
- 5:30 p.m. **OR5: Regulatory aspects in mass spectrometry selectivity**
Rosanna Rossi, Simone Moretti, Giorgio Saluti, Danilo Giusepponi, Roberta Galarini
 (Istituto Zooprofilattico Sperimentale dell'Umbria e delle Marche)
- 5:50 p.m. **OR6: Multi-class analysis of polychlorinated biphenyls, polycyclic aromatic hydrocarbons, polybrominated diphenyl ethers and organochlorine pesticides in animal feed: GC-MS/MS method development**
 C. Lestingi, V. Bardeggia, T. Tavoloni, R. Galarini, A. Piersanti (Istituto Zooprofilattico Sperimentale dell'Umbria e delle Marche)
- 6:10 p.m. **OR7: Ultra-Trace measurement of dechloranes in food and feed**
Chiara Calaprice, Benjamin L'Homme, Cosima Damiana Calvano, Carlo Zambonin,
 Jean- François Focant (Politecnico di Bari)
- 6:30 p.m. **End of session**
- 7:00 p.m. **Welcome Party**

Thursday, June 11, 2015 - Morning

- 9:15 a.m. **Shimadzu satellite workshop: Shimadzu LC-MS solutions: new features**
 Stefano Zaza (Shimadzu Italia)
- 10:00 a.m. **Session 3**
 Chair: Donatella Caruso
- 10:00 a.m. **PL3: Biomarkers for psychiatric disorders: the role of mass spectrometry**
Giuseppina Maccarrone (Max Planck Institute, Munich - Germany)
- 10:40 a.m. **OR8: The application of electrospray ionization coupled to ultrahigh resolution tandem mass spectrometry (ESI-FTICR MS-IRMPD) for the molecular characterization of Arginine-vasopressin and Lysine-vasopressin**
 Giuliana Bianco, Fabio G. Battista, Alessandro Buchicchio, Concetta G. Amarena,
 Philippe Schmitt-Kopplin, Antonio Guerrieri (Università degli Studi della Basilicata - Potenza)
- 11:00 a.m. **Poster session and coffee break**
- 11:30 a.m. **Session 4**
 Chair: Giuliana Bianco
- 11:30 a.m. **PL4: Rapid Evaporative Ionization Mass Spectrometry – Elucidation of ionization mechanism and the importance of ion-surface interactions**
Zoltan Takats (Imperial College, London - UK)
- 12:10 p.m. **OR9: Internal ion mobility: principles, new concepts and its applications to environmental and food analysis**
Sergio Gallo (Waters)

- 12:30 p.m. **OR10: Study of natural occurrence of T-2 and HT-2 toxins and their glucosyl derivatives from field barley to malt by high resolution Orbitrap mass spectrometry**
B. Ciasca, V.M.T. Lattanzio, V. Terzi, R. Ghizzoni, S.P. McCormick, M. Pascale (CNR - Bari)
- 12:50 p.m. **End of session**
- 1:00 p.m. **Lunch**

Thursday, June 11, 2015 - Afternoon

- 2:30 p.m. **Session 5**
Chair: Maria Filippa Addis
- 2:30 p.m. **PL5: Clinical Proteomics Developments on the Verge of the Human Proteome Project**
Andrea Urbani (Università "Tor Vergata" - Roma)
- 3:10 p.m. **PL6: Neisseria meningitis GNA1030 is a ubiquinone-8 binding protein**
Nathalie Norais (GSK Vaccines - Siena)
- 3:50 p.m. **Poster session and coffee break**
- 4:30 p.m. **Session 6**
Chairs: Irene Messana, Alessandro Buchicchio
- 4:30 p.m. **PL7: Gas chromatography carbon isotope ratio mass spectrometry (GC-C-IRMS) for samples' traceability**
Luisa Schipilliti, Ivana Bonaccorsi, Giorgia Purcaro, Luigi Mondello (Università degli Studi di Messina)
- 5:10 p.m. **OR11: Last development of the application of IRMS to wine authentication**
Matteo Perini, Federica Camin (Fondazione E. Mach – San Michele all'Adige - TN)
- 5:30 p.m. **OR12: Isotopic Ratios Mass Spectrometry (IRMS), an expanding range of applications**
Lionnel Mounier, Andreas Hilker (Thermo Fisher Scientific)
- 5:50 p.m. **OR13: Environmental applications of stable isotopes**
Enrico Brugnoli (CNR - Roma)
- 6:10 p.m. **OR14: Applications of stable isotope analysis in trophic ecology: ecological indicator of (i) Nitrogen pollution in coastal sea and of (ii) climatic change in Antarctica**
Loreto Rossi, Maria Letizia Costantini (Università "La Sapienza" - Roma)
- 6:30 p.m. **End of session**
- 7:00 p.m. **Sightseeing Alghero historical center: guided tour**
- 8:30 p.m. **Social dinner**

- 9:15 a.m. **Parallel Session 7**
Chair: Simone Moretti
- 9:15 a.m. **PL8: Power and Limits of SALDI Mass Spectrometric Techniques**
Pietro Traldi (CNR - Padova)
- 9:55 a.m. **OR15: Proton-Transfer-Reaction mass spectrometry for the study of the production of volatile compounds and the effect of flour, yeast and their interaction during the bread-making process**
Salim Makhoul, Andrea Romano, Vittorio Capozzi, Giuseppe Spano, Eugenio Aprea, Luca Cappellin, Elisabetta Benozzi, Matteo Scampicchio, Tilmann D. Märk, Flavia Gasperi, Hanna El Nakat, Jean Guzzo, Franco Biasioli (Fondazione E. Mach – San Michele all’Adige - TN)
- 10:15 a.m. **Poster session and coffee break**
- 11:30 a.m. **Parallel Session 8**
Chairs: Vincenzo di Marzo, Roberta Galarini
- 11:30 a.m. **OR16: Biomimetic studies of 1,8-dihydroxynaphthalene (DHN) synthetic allomelanin by electrospray ionization mass spectrometry (ESI-MS)**
Martina Maya Cecchini, Samantha Reale, Marcello Cru cianelli, Marco d’Ischia, Francesco De Angelis (Università degli Studi dell’Aquila)
- 11:50 a.m. **OR17: Lipidomics unveils a lipid-mediated proinflammatory response to radiation exposure**
Evagelia C. Laiakis, Katrin Strassburg, Rob J. Vreeken, Thomas Hankemeier, Albert J. Fornace Jr., Giuseppe Astarita (Georgetown University -USA)
- 12:10 p.m. **OR18: In-series Hilic-RPC separation coupled to FTMS: an unusual promising approach for untargeted lipidomics**
Sara Granafèi, Alessandro Spinelli, Ilario Losito, Francesco Palmisano, Tommaso R.I. Cataldi (Università "Aldo Moro" - Bari)
- 12:30 p.m. **OR19: GC-MS/MS nell'analisi di pesticidi e diossine**
Giuseppe Scollo (Shimadzu Italia)
- 12:50 p.m. **End of session**
- 1:00 p.m. **Best Posters’ awards**
- 1:10 p.m. **Concluding remarks & Arrivederci**

- 9:15 a.m. **Parallel Session 9**
Chair: Gianpiero Boatto
- 9:15 a.m. **OR20: Traceability of PGI ‘arancia rossa di Sicilia’ and ‘limone di Siracusa’ productions using a multidisciplinary isotopic, chemical and chemometric approach**
Margherita Amenta, Simona Fabroni, Maria Allegra, Gabriele Ballistreri, Corrado Costa, Paolo Rapisarda (Consiglio per la Ricerca in Agricoltura e l'Analisi dell'Economia Agraria - Acireale (CT)).
- 9:30 a.m. **OR21: Novel tool for simultaneous carbon and nitrogen stable isotope analyses in aqueous samples**
Filip Volders (Elementar GmbH)
- 9:45 a.m. **OR22: Carbon and nitrogen budget in the Po river water**
Chiara Marchina, Gianluca Bianchini, Kay Knöller, Claudio Natali, Luca Corazzari (Università degli Studi di Ferrara)
- 10:00 a.m. **OR23: Stable isotopes as powerful tracers of source and processes in Earth Science: some application to natural fluids**
Fausto Grassa, Giorgio Capasso, Rocco Favara, Ygor Oliveri, Aldo Sollami (INGV - Palermo)
- 10:15 a.m. **Poster session and coffee break**
- 11:15 a.m. **Parallel Session 10**
Chairs: Mariateresa Maldini, Giampiero Scortichini
- 11:15 a.m. **PL9: Stable isotope ratio analysis for protecting foods with declaration of origin**
Federica Camin, Luana Bontempo, Matteo Perini (Fondazione E. Mach – San Michele all'Adige - TN)
- 11:40 a.m. **OR24: Stable isotopes in plant physiological ecology- Applications and perspectives**
Marco Lauteri (CNR IBAF, Porano)
- 11:55 a.m. **OR25: Isotope ratio mass spectrometry for the characterization of quality of lentils and table grape**
F. Longobardi, G. Casiello, M. Cortese, V. Centonze, M. Perini, F. Camin, L. Catucci, A. Agostiano (Università "Aldo Moro" - Bari)
- 12:10 a.m. **OR26: $\delta^{15}\text{N}$ and $\delta^{13}\text{C}$ compound specific analysis of aminoacid for discriminating organic from conventional products**
Mauro Paolini, Luca Ziller, Kristian Holst Laursen, Søren Husted, Federica Camin (Fondazione E. Mach – San Michele all'Adige - TN)
- 12:25 p.m. **OR27: Isotope ratio mass spectrometry of $\delta^{13}\text{C}$ of bulk and individual fatty acids as marker for traceability of Italian PDO/PGI extra virgin olive oils**
Angelo Faberi, Rosa Maria Marianella (MiPAAF, Rome)
- 12:40 p.m. **OR28: Current state of the art and perspectives of the SUN-Department of Mathematics and Physics IRMS laboratory of the CIRCE centre**
Fabio Marzaioli, Luisa Stellato, Mauro Rubino, Brunella Di Rienzo, Egidio Di Fusco, Antonio D'Onofrio, Filippo Terrasi (CIRCE – Seconda Università di Napoli)
- 12:55 p.m. **End of session**
- 1:00 p.m. **Best Posters' awards**
- 1:10 p.m. **Concluding remarks & Arrivederci**

POSTER COMMUNICATIONS

- P1 METABOLOMICS APPROACHES TO DISCRIMINATE BERRY FRUITS ENDEMIC OF ITALIAN REGIONS**
Gilda D' Urso, Giorgia Sarais, Luigi d'Aquino, Cosimo Pizza, Paola Montoro (Università degli Studi di Salerno)
- P2 HPTLC FINGERPRINT AND QUALI-QUANTITATIVE COMPOSITION OF ANTHOCYANINS IN MYRTUS COMMUNIS L. BERRIES GROWING IN SARDINIA**
Mariateresa Maldini, Mario Chessa, Antonio Porcu, Giacomo Petretto, Roberta Addis, Marzia Foddai, Paola Montoro, Giorgio Pintore (Università degli Studi di Sassari)
- P3 CONFIRMATORY METHOD FOR THE SIMULTANEOUS DETERMINATION OF COCCIDIOSTATS IN EGGS BY UPLC-MS/MS: VALIDATION ACCORDING TO THE COMMISSION DECISION 2002/657/EC**
Cinzia Civitareale, Angela Costanzo, Paolo Stacchini, Silvia Ciardullo, Augusto Alberto Pastorelli, Antonella Semeraro, Maurizio Fiori (Istituto Superiore di Sanità, Roma)
- P4 CONFIRMATORY METHOD FOR THE DETERMINATION OF QUINOXALINE METABOLITES IN RABBIT MUSCLE BY UFLC-MSMS**
Giulia Segato, Cristina Bellesso, Giancarlo Biancotto, Cristiana Benetti (Istituto Zooprofilattico Sperimentale delle Venezie)
- P5 CONFIRMATORY METHOD FOR THE SIMULTANEOUS DETERMINATION OF VETERINARY TRAQUILIZERS, SEDATIVES AND B-BLOCKER AGENTS IN KIDNEY BY UPLC-MS/MS: VALIDATION ACCORDING TO THE COMMISSION DECISION 2002/657/EC**
Maurizio Fiori, Federica Sorrentino, Cinzia Civitareale, Silvia Ciardullo, Augusto Alberto Pastorelli, Antonella Semeraro, Paolo Stacchini (Istituto Superiore di Sanità, Roma)
- P6 CONFIRMATORY METHOD FOR THE SIMULTANEOUS DETERMINATION OF ANTHELMINTIC DRUGS IN MILK BY UPLC-MS/MS**
Antonella Semeraro, Angelo Cortese, Maurizio Fiori, Cinzia Civitareale, Silvia Ciardullo, Augusto Alberto Pastorelli, Paolo Stacchini (Istituto Superiore di Sanità, Roma)
- P7 CONFIRMATORY METHOD FOR THE ANALYSIS OF β -LACTAM ANTIBIOTIC RESIDUES IN MUSCLE BY LIQUID CHROMATOGRAPHY COUPLED TO HIGH RESOLUTION MASS SPECTROMETRY**
S. Pellicciotti, S. Moretti, V. Gamba, R. Galarini, G. Dusi (Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna)
- P8 ABSOLUTE REAL-TIME DETECTION OF ETHYLENE WITH PROTON TRANSFER REACTION/ SELECTIVE REAGENT IONIZATION MASS SPECTROMETRY**
Salim Makhoul, Luca Cappellin, Erna Schuhfried, Andrea Romano, José Sanchez del Pulgar, Eugenio Aprea, B. Franco Biasioli, Brian Farneti, Fabrizio Costa, Jean Guzzo, Hanna El Nakat, Flavia Gasperi (Fondazione Edmund Mach – San Michele all'Adige - TN)
- P9 MULTICLASS DETERMINATION OF PESTICIDES IN WHEAT FLOUR BY MEANS OF MEPS FOLLOWED BY HPLC-MS/MS**

- Francesca Di Ottavio, Camilla Montesano, Roberta Curini, Manuel Sergi, Dario Compagnone, Flavio Della Pelle, Maria Chiara Simeoni (Università degli Studi di Teramo)
- P10 SITE-SPECIFIC DONKEY MILK LACTOFERRIN GLYCOSYLATION ANALYSIS BY HIGH RESOLUTION MASS SPECTROMETRY**
Serafina Gallina, Rosaria Saletti, Vincenzo Cunsolo, Vera Muccilli, Salvatore Foti, Peter Roepstorff (Università degli Studi di Catania)
- P11 PROTEOMIC AND PEPTIDOMIC CHARACTERIZATION OF A CRAFT SARDINIAN BEER**
Grazia Biosà, Salvatore Pisanu, Daniela Pagnozzi, Luca Pretti, Maria Filippa Addis (Porto Conte Ricerche, Tramariglio - Alghero)
- P12 DIFFERENTIAL PEPTIDOMIC PROFILES BETWEEN FIORE SARDO CHEESE OBTAINED FROM RAW AND PASTEURIZED MILK**
Marcello Abbondio, Salvatore Pisanu, Maria Filippa Addis, Roberto Anedda, Sergio Uzzau, Daniela Pagnozzi (Università degli Studi di Sassari)
- P13 SETTING UP A LIQUID CHROMATOGRAPHY-ORBITRAP MASS SPECTROMETER IN FULLSCAN-DATA DEPENDENT SCAN MODE FOR THE DETECTION OF PESTICIDE RESIDUES IN HONEY**
Rossana Scarpone, Antonella D'Agostino, Valentina Lanzone, Igor Fochi (Istituto Zooprofilattico Sperimentale dell'Abruzzo e del Molise)
- P14 DEVELOPMENT OF A UPLC-MS/MS MULTIRESIDUE METHOD FOR THE SIMULTANEOUS DETERMINATION OF ANTHELMINTICS IN ANIMAL TISSUE**
M. Giovanna Orani, Nicolino Rubattu, M. Cecilia Testa (Istituto Zooprofilattico Sperimentale della Sardegna)
- P15 SCREENING OF BETALACTAM RESIDUES IN CHEESE BY UPLC/MS-MS**
Nicolino Rubattu, Severyn Salis, Alessandro Pulina, M. Cecilia Testa (Istituto Zooprofilattico Sperimentale della Sardegna)
- P16 TRANSFER OF VETERINARY ANTIBIOTICS FROM OVINE MILK TO CURD. A PRELIMINARY INVESTIGATION**
Roberto Cabizza, Roberta Comunian, Massimo Pes, Paolo Urgeghe, M. Cecilia Testa (Università degli Studi di Sassari)
- P17 SIMULTANEOUS DETERMINATION OF 13 ILLICIT PHENETHYLA AMINES IN AMNIOTIC FLUID BY LIQUID CHROMATOGRAPHY/TANDEM MASS SPECTROMETRY**
Lucia Burrai, Antonio Carta, Maria Nieddu, Gianpiero Boatto (Università degli Studi di Sassari)
- P18 DETERMINATION OF CANNABINOIDS AND METABOLITES IN HAIR BY PRESSURIZED LIQUID EXTRACTION: DETECTION OF CUT-OFF VALUES BY UHPLC-HRMS**
 Camilla Montesano, Maria Chiara Simeoni, Gabriele Vannutelli, Manuel Sergi, Roberta Curini, Dario Compagnone, Adolfo Gregori, Luigi Ripani (Università degli Studi di Teramo)
- P19 DETECTION AND QUANTIFICATION OF DRUGS OF ABUSE IN SOY SAUCES BY LIQUID CHROMATOGRAPHY – TANDEM MASS SPECTROMETRY**
André M. Segurado, Lucia Burrai, Maria Nieddu, Francesca Accioni, Gianpiero Boatto, José M.F. Nogueira (Università degli Studi di Sassari)

- P20 CANNABINOID PROFILE AND CHEMOTYPE OF HEMP PLANTS BY USING LC-FTICR MS AND TANDEM MASS SPECTROMETRY PERFORMED BY IRMPD AND CID**
F. Lelario, L. Scrano, L. Milella, S. Milan, G. Napolitano, S. A. Bufo (Università degli Studi della Basilicata - Potenza)
- P21 HPLC-ESI-MS CHARACTERIZATION OF TISSUE EXTRACTS FROM HUMAN COLO-RECTAL CANCER**
Valentina Piras, Monica Sanna, Daniela Fanni, Gavino Faa, Angelo Restivo, Luigi Zorcolo, Federica Iavarone, Massimo Castagnola, Irene Messina, Tiziana Cabras (Università degli Studi di Cagliari)
- P22 CHARACTERIZATION OF NEUTROPHIL EXTRACELLULAR TRAPS (NETS) FORMED IN MILK DURING BACTERIAL INFECTION**
Salvatore Pisanu, Daniela Pagnozzi, Tiziana Cubeddu, Stefano Rocca, Carla Cacciotto, Alberto Alberti, Sergio Uzzau, Maria Filippa Addis (Porto Conte Ricerche, Tramariglio, Alghero)
- P23 NON-STEROIDAL ANTI-INFLAMMATORY DRUGS IN THE WASTEWATER OF WASTE WATER TREATMENT PLANTS IN THE BOLZANO PROVINCE**
Johann Santer, Agnes Luisa Santer (Agricultural and Forestry Research Centre, Laimburg - BZ)
- P24 ASSESSMENT OF PB AND CD CONCENTRATIONS IN CEPHALOPODS BY ICP-MS METHOD**
A. Macaluso, A. Vella, G. Giangrosso, G.M. Lo Dico, L. Gennaro, F. Martello, V. Ferrantelli, G. Cammilleri (Istituto Zooprofilattico Sperimentale della Sicilia)
- P25 CHARACTERIZATION OF CONTAMINANTS IN THE TISSUE OF MEDITERRANEAN TURTLES CARETTA CARETTA**
A. Macaluso, C. Amante, E. Calvaruso, G. Lo Cascio, L. Pantano, B. Randisi, V. Ferrantelli (Istituto Zooprofilattico Sperimentale della Sicilia)
- P26 ASSESSING THE VARIABILITY OF ¹⁵N METABOLIC LABELING-BASED PROTEOMICS IN MOUSE BRAIN AND PLASMA**
Michaela D. Filiou, Magdalena Soukupova, Christiane Rewerts, Christian Webhofer, Christoph W. Turck, Giuseppina Maccarrone (Max Planck Institute, Munich -Germany)
- P27 OPTIMIZATION OF A STRAIGHTFORWARD AND EFFICIENT PIPELINE FOR METAPROTEOMIC CHARACTERIZATION OF THE HUMAN GUT MICROBIOTA**
Antonio Palomba, Alessandro Tanca, Valeria Manghina, Marcello Abbondio, Cristina Fraumene, Massimo Deligios, Salvatore Pisanu, Sergio Uzzau, Daniela Pagnozzi, Maria Filippa Addis (Porto Conte Ricerche, Tramariglio - Alghero)
- P28 INCREASED LEVELS OF CYSTATINS A AND B IN SALIVA OF EDENTULOUS SUBJECTS**
Barbara Liori, Barbara Manconi, Tiziana Ca bras, Maria Teresa Sanna, Massimo Castagnola, Irene Messina, Alessandra Olinas (Università degli Studi di Cagliari)

- P29 CARBAMAZEPINE AND CLARITHROMYCIN: MOLECULAR CHARACTERIZATION AND EVALUATION OF THEIR REMOVAL IN WATER BODIES BY FUNGI PLEOROTUS OSTREATUS AND TRICODERMA HARZIANUM BY LIQUID CHROMATOGRAPHY-HIGH RESOLUTION TANDEM MASS SPECTROMETRY (FTICR MS-IRMPD)**
Alessandro Buchicchio, Giuliana Bianco, Donatella Caniani, Salvatore Masi (Università degli Studi della Basilicata - Potenza)
- P30 NEW FINDINGS ABOUT LIPIDS COMPOSITION OF THE PHOTOSYNTHETIC BACTERIA RHODOBACTER SPHAEROIDES**
S. Granafej, I. Losito, F. Palmisano, T.R.I. Cataldi (Università "Aldo Moro" - Bari)
- P31 LIPIDOMIC ANALYSIS IN A NOVEL FORM OF SPINOCEREBELLAR ATAXIA (SCA38)**
 N. Mitro, R. Spezzano, E. Di Gregorio, B. Borroni, C. Costanzi, L. Orsi, F. Tempia, L. Boccone, A. Brusco, D. Caruso (Università degli Studi di Milano)
- P32 PROTONATED HEXAAZAMACROCYCLES AS SELECTIVE K⁺ RECEPTORS**
 Caterina Frascchetti, Antonello Filippi, Maria Elisa Crestoni, Enrico Marcantoni, Marco Glucini, Laura Guarcini, Maria Montagna, Leonardo Guidoni, Maurizi o Speranza (Università "La Sapienza", Roma)
- P33 STABLE ISOTOPES FACILITY AT IRMS-SUN LABORATORY: ECOLOGICAL, ARCHAEOLOGICAL AND FOOD TRACEABILITY APPLICATIONS**
Simona Altieri, Paola Ricci, Giovanna Battipaglia, Carmine Lubritto (DISTABIF, Seconda Università di Napoli)
- P34 STABLE CARBON ISOTOPES AS EFFECTIVE MARKERS FOR RELIABLE DATING OF MORTARS**
Anna Addis , Michele Secco, Nereo Preto, Fabio Marzaioli , Filippo Terrasi, Alejandra Chavarria Arnau , Gian Pietro Brogiolo , Gilberto Artioli (Università degli Studi di Padova)
- P35 BITUMEN FROM ARCHAEOLOGICAL POTS OF TWO APULIAN BRONZE AGE SETTLEMENTS, MONOPOLI AND TORRE SANTA SABINA: PROVENANCE AND PROCESSING**
Antonio Pennetta, Marianna Faraco, Giacomo Eramo, Beqiraj Enkeleida, Italo Maria Muntoni, Giuseppe Egidio De Benedetto (Università del Salento - Lecce)
- P36 FORMATION OF THE [M+25]⁺ FRAGMENT ION IN THE CI (PHENYLACETYLENE) MASS SPECTRA OF AROMATIC COMPOUNDS: A USEFUL PRECURSOR ION FOR ISOMERIC DIFFERENTIATION**
Michela Begala (Università degli Studi di Cagliari)
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