

## I POSTER SESSION

SEPTEMBER 06, 2021

### OMIC SCIENCES AND BIOMARKER DISCOVERY

P01 Alterations in the Metabolome of *Leishmania donovani*-Infected Human Macrophages Unveiled by Multiplatform Mass Spectrometry, M. Fernández-García, San Pablo-CEU University, Madrid, Spain

P02 Inclusion Of CCS To Enhance The Confidence Level Of Annotations In CEU Mass Mediator, A. Cortellucci, San Pablo-CEU University, Madrid, Spain

P03 DI-FT-ICR for rapid untargeted profiling, Pros and cons: A case study on the metabolic changes induced by SP6 peptide in a High fat diet Apo<sup>-/-</sup> model, E. Sommella, University of Salerno, Italy

P04 Quantitative Proteomic Approaches To Study Drug Mechanism Of Action, S. Castelli, University of Milan, Italy

P05 Proteomic contribution to the omic path for the identification of novel drugs overcoming resistance in *Leishmaniasis*, L. Tagliazucchi, University of Modena and Reggio Emilia, Italy

P06 Evaluation of common lipid extraction methods and cell disruption methods for untargeted lipidomic study in platelets, F. Xiaoqing, University of Tübingen, Germany

P07 A $\beta$ <sub>42</sub> peptide toxicity on neuronal cells: a lipidomic study in view of Alzheimer's Disease drug discovery, L. Davani, Alma Mater Studiorum University of Bologna, Italy

P08 Integratomics of human dermal fibroblasts treated with low-molecular weight hyaluronic acid, S. Radrezza, University of Milan, Italy

### ANALYSIS OF BIOMOLECULES

P09 Process intensification of the polishing step of a bioactive peptide through Multicolumn Countercurrent Solvent Gradient Purification, C. De Luca, University of Ferrara, Italy

P10 Development of papain-IMERs for the structural characterization of monoclonal antibodies, F. Rinaldi, University of Pavia, Italy

P11 Comparing mixed-mode and hydrophobic stationary phases for the purification of a large therapeutic peptide, G. Lievore, University of Ferrara, Italy

P12 Purification of target peptides from their epimers via liquid chromatography: a fundamental study, D. Bozza, University of Ferrara, Italy

P13 Spectroscopic studies of albumin-based nanoparticles containing chlorambucil, M. Maciążek-Jurczyk, Medical University of Silesi, Poland

P14 Selected antibiotics as potential modulators of HSA antioxidant activity, M. Maciążek-Jurczyk, Medical University of Silesia, Poland

P15 Changes in losartan affinity towards glycosylated plasma albumin in the presence of fatty acids, M. Maciążek-Jurczyk, Medical University of Silesia, Poland

P16 Enzyme Stability in Nanoparticle Preparations: Tween®-enzyme formulation and characterization, J.T. Duskey, University of Modena and Reggio Emilia, Italy

P17 Carnosine and its derivatives promote protein decarboxylation, I. Sanz, University of Milan, Italy

P18 Antiinflammatory and anti-amyloid activity of compounds based on the curcumin scaffold, C. Contardi, University of Pavia, Italy

P19 Characterization of serum albumin binding properties in patients with cirrhosis by surface plasmon resonance, M. Nugnes, Alma Mater Studiorum University of Bologna, Italy

P20 Investigation of the Chromatographic Behavior at Different Mobile Phase pH Values as Support to Ambiguous LC-MS/MS Structural Characterization, S. Tengattini, University of Pavia, Italy

## **DRUG ANALYSIS**

P21 Quantitative stereochemical process monitoring by microwave spectroscopy, L. Evangelisti, Alma Mater Studiorum University of Bologna, Italy

P22 Development of a voltammetric screening method for pharmaceutical pollution in waters, P. Inaudi, University of Turin, Italy

P23 Rapid and Sensitive Simultaneous Separation and Detection of Tetracaine Hydrochloride and Oxymetazoline Hydrochloride in Pharmaceutical Formulations via Reversed-phase Liquid Chromatography with Electrochemical Detection, H. Alghamdi, University College Cork, Ireland

P24 Dehydroepiandrosterone Sulfate, Dehydroepiandrosterone, 5 $\alpha$ -Dihydroprogesterone and Pregnenolone: Serum Analysis and Correlation Between Migraine and Non-headache Control Females, C. Rustichelli, University of Modena and Reggio Emilia, Italy

P25 BIOPHYSICAL STUDIES ON BINDING AND COOPERATIVITY OF FATTY ACID BINDING PROTEIN-6 (FABP-6) LIGANDS, E. Bianconi, University of Perugia, Italy

P26 How To Quantify Endogenous Steroids With A One-Point Internal Calibration Methodology?, G. Visconti, University of Geneva, Switzerland

P27 Microfluidic vs Nanoprecipitation protocols to obtain Hybrid Nanoparticles: preformulative studies, I. Ottonelli, University of Modena and Reggio Emilia, Italy

P28 T3 Polymeric, Ibuprofen And Ibuprofen-Paracetamol Conjugate Polymeric Nanoparticles For Spinal Injury Treatment, I. Parmeggiani, University of Modena and Reggio Emilia, Italy

P29 Microanalytical systems for the tailor-made assessment of CNS drugs for TDM purposes, C. Marasca, Alma Mater Studiorum University of Bologna, Italy

P30 Microsampling and polyimide-based extraction for the analysis of methadone, M. Cirrincione, Alma Mater Studiorum University of Bologna, Italy

P31 Stability study of letrozole by MCR-ALS analysis and binding capability of the degradation products to aromatase by molecular docking, M.A. Occhiuzzi, University of Calabria, Italy

P32 Near Infrared Spectroscopy Investigation of Self-Emulsifying Drug Delivery Systems, N. Pinna, University of Perugia, Italy

P33 Tackling polypharmacology and drug repurposing with the LigAdvisor webserver, L. Pinzi, University of Modena and Reggio Emilia

P34 Preparation of Polythiol-functionalized Silica Particles with adjustable Sulfhydryl Content and their subsequent Modification for Silver Ion Chromatography and Enantioselective High Performance Liquid Chromatography, M. Wolter, University of Tübingen, Germany

P35 Administration Of Ceftazidime Over 24 Hours Via Portable Elastomeric Infusion Pumps For Outpatient Parenteral Antimicrobial Therapy, T. Nguyen, KU Leuven, Belgium

P36 Stability Of Piperacillin/Tazobactam In Elastomeric Infusion Pumps, T. Nguyen, KU Leuven, Belgium

P37 Polar-ionic based enantioseparation of aromatic  $\alpha$ -hydroxy acids with *Cinchona* alkaloid derivative zwitterionic stationary phases, I. Varfaj, University of Perugia, Italy

P38 Evaluation of stability in plasma samples of several anti-inflammatory drugs with gofa and tyrosol, V. Ferrone, University of Perugia, Italy

P39 Development of a capillary electrophoresis method for the simultaneous determination of CDK 4/6 and aromatase inhibitors, L. Turković, University of Zagreb, Croatia