62° CONGRESS SIB

Firenze, 7-9 September 2023

POSTER PROGRAMME

POSTER SESSION – Friday, September 8th, 2023 from 13.00 to 15.00

POSTER BOARD N.	TITLE	AUTHORS	CATEGORY
1	Design Of Experiments (DOE) approach to obtain biotechnological products exploiting buffalo whey: a biorefinery for food, nutraceutical and cosmeceutical applications.	Alberto Alfano, Darshankumar Parecha, Chiara Schiraldi	Biotechnology
2	Sustainable and Green Production of Nanostructured Cellulose by a 2-Step Mechano-Enzymatic Process	Martina Aulitto, Rachele Castaldo, Roberto Avolio, Maria Emanuela Errico, Yong-Quan Xu, Gennaro Gentile, Patrizia Contursi	Biotechnology
3	Advanced biomaterials engineered for the production of sustainable compound.	Elena Bernasconi, Luca Giannini, Immacolata Serra, Paola Branduardi	Biotechnology
4	Therapeutic Potential of Antarctic fungal extract in dampening the aggregation propensity of α-Synuclein	Laura Bertini, Ilenia Inciardi, Elena Rizzotto, Silvia Proietti, Carla Caruso, Patrizia Polverino de Laureto	Biotechnology
6	A critical balance between conductivity and osmolarity in buffer for CTCs isolation in Dielectrophoretic Experiments	Paolo Giuseppe Bonacci, Samuele Moscato, Massimo Camarda, Andrea Ballo, Salvatore Petralia, Ludovica Maugeri, Stefania Stefani, Nicolò Musso	Biotechnology
7	Design of Nanodiamonds – DAAO nanosystems for potential antitumor applications: studies of activity, citotoxicity and biocompatibility	Marta Boreggio, Elena Rosini, Katerina Polakova, Loredano Pollegioni and Elisa Fasoli	Biotechnology
8	Natural compounds modulate inflammatory state in in-vitro model of Preeclampsia	Mariarita Brancaccio, Assunta Maria Iazzetta, Elena De Marino, Tiziana Angrisano	Biotechnology
9	Blockade of BAG3 protein impairs adverse remodeling after myocardial injury	Margot De Marco, Michele Ciccarelli, Anna Lisa Cammarota, Paola Di Pietro, Carmine Vecchione,	Biotechnology

POSTER BOARD N.	TITLE	AUTHORS	CATEGORY
		Anna Basile, Vincenzo De Laurenzi, Maria Caterina Turco, Alessandra Rosati, Liberato Marzullo	
10	Transcriptomic analysis of the left and right ventricles in a rat model of pulmonary hypertension	Alessia Caputo, Francesco Paolo Lo Muzio, Rosario Statello, Stefano Rossi, Mirko Hu, Lorenzo Fassina, Marco Morselli, Michele Miragoli, Barbara Montanini	Biotechnology
11	Biochemical characterization of three bacterial glucuronoyl esterases from Dyadobacter fermentans NS114	Miriam Carbonaro, Scott Mazurkewich, Gabriella Fiorentino, Johan Larsbrink	Biotechnology
12	RNAi-Mediated Reduction of the Transcription Factor Nrf-2 Blocks the Positive Effects of Dimethyl Fumarate on Metabolic Stress-Induced Cell Death	Marika Lanza, Rossella Basilotta, Salvatore Cuzzocrea, Salvatore Oddo, Emanuela Esposito, Giovanna Casili	Biotechnology
13	Design of human lactate dehydrogenase (hLDH-A) based biosensors for the potential screening of anticancer drugs	Clarissa Cocuzza, Elena Antoniono, Carminna Ottone, Valentina Cauda, Marco Piumetti	Biotechnology
14	The interplay between uremic toxicity and vascular calcification in Chronic Kidney Disease: role of lanthionine, as a novel uremic toxin.	Annapaola Coppola, Anna Iervolino, Elvira Mazzella, Patrizia Lombari, Alessandra F. Perna, Diego Ingrosso, Margherita Borriello	Biotechnology
15	Renewable biopolymers SEC-TDA hydrodynamic characterization as a powerful tool towards the optimization of their biomedical application.	Sabrina Cuomo, Azza Dabous, Rosario Finamore, Elisabetta Cassese, Chiara Schiraldi, Annalisa La Gatta	Biotechnology
16	Novel probiotic formula containing hydroxyectoine for preserving the viability and enhance the biological activity of probiotics on enterocyte based in vitro model	Azza Dabous, Antonietta Stellavato, Chiara Schiraldi	Biotechnology
17	Bacterial biofilms from Staphylococcus sp. trigger activation of coagulation: a possible link between infections and cardiovascular diseases	Elena Cavedon, Laura Acquasaliente, Giulia Bernabè, Alessia Dei Rossi, Anna Pagotto, Andrea Pierangelini, Ignazio Castagliuolo, Vincenzo De Filippis	Biotechnology
18	SARS-CoV-2 Main protease (Mpro) activates blood coagulation: a possible link between viral infection and thrombotic complications in COVID-19	Anna Pagotto, Federico Uliana, Laura Acquasaliente, Giulia Nordio, Maria Ludovica Macchia, Massimo Bellanda, Barbara Gatto, Vincenzo De Filippis	Biotechnology
19	Engineering PET-hydrolysing enzymes for display on E. coli outer membrane: a promising approach for plastic waste management	Carmen Ercolano, Andrea Strazzulli, Roberta Iacono, Rosa Merlo, Rosanna Culurciello, Elio Pizzo, Giuseppe Perugino, Marco Moracci	Biotechnology
20	SERPINA3/SerpinA3n in prion diseases: a novel clearance mechanism	Chiara Ferracin, Tihana Lenac Rovis, Giuseppe Legname	Biotechnology
21	Biochemical characterization of an extract from the macroalga Chaetomorpha linum	Michela Geminiani, Luisa Frusciante, Elena Dreassi, Daniela Braconi, Giulia Bernardini, Annalisa Santucci	Biotechnology
22	Clove Essential Oil Encapsulated by Chitosan-Based Systems: A Future Outlook	Sondos Hejazi, Valeria Scala, Nicoletta Pucci, Mohammed Sabbah, Marika Avitabile, Loredana Mariniello, C. Valeria L. Giosafatto	Biotechnology

POSTER BOARD N.	TITLE	AUTHORS	CATEGORY
23	Gaining insights into biotechnological applications of antimicrobial peptides as emerging therapeutics agents	Esther Imperlini, Federica Massaro, Irene Paris, Fernando Porcelli, Stefano Borocci, Francesca Bugli, Rosanna Papa, Francesco Buonocore	Biotechnology
24	Regenerative medicine approach in the treatment of chronic skin wounds	Francesco La Monica, Francesco Carfì Pavia, Simona Campora, Camilla Carbone, Alessandra Lo Cicero, Matilda Iemmolo, Gabriele Lo Buglio, Vincenzo La Carrubba, Valerio Brucato, Giulio Ghersi	Biotechnology
25	Traumatic Brain Injury Alters Cerebral Concentrations and Redox States of Coenzymes Q9 and Q10 in the Rat	Renata Mangione, Giacomo Lazzarino, Andrea Graziani, Miriam Wissam Saab, Alessandra Pittalà, Stefano Signoretti, Valentina Di Pietro, Angela Maria Amorini, Giuseppe Lazzarino, Barbara Tavazzi	Biotechnology
26	One-step conversion of citrus waste into lactic acid using the thermophilic biocatalyst Weizmannia coagulansMA-13	Emanuela Maresca, Martina Aulitto, Alberto Alfano, Donatella Cimini, Francesco Donsi, Annachiara Pirozzi, Maria Emanuela Errico, Roberto Avolio, Gennaro Gentile, Maria Monti, Flora Cozzolino, Chiara Schiraldi, Patrizia Contursi	Biotechnology
27	Novel amylose-based bioplastics containing argan byproducts derived proteins modified by the means of transglutaminase	Michela Famiglietti, Domenico Zannini, Rosa Turco, Fatemeh Mirpoor, Andreas Blennow, Loredana Mariniello	Biotechnology
28	Characterization of Trematocine derived antimicrobial peptides with enhanced antimicrobial activity againstantibiotics resistant bacteria.	Federica Massaro, Fernando Porcelli, Stefano Borocci, Francesca Bugli, Maurizio Sanguinetti, Damiano Squitieri, Esther Imperlini, Francesco Buonocore	Biotechnology
29	New human ATM variants are able to regain ATM functions in Ataxia Telangiectasia disease.	Anastasia Ricci, Federica Biancucci, Gianluca Morganti, Mauro Magnani, Michele Menotta	Biotechnology
30	Fusion constructs for outer membrane vesicles (OMVs) surface functionalization with antibody portions. Single Chain Fragment Variable (scFv) vs. Heavy Chain Variable (VHH) domains.	Francesca Mensitieri, Giulia Gaudino, Luca Ricciardi, Cristiana Stellato, Fabrizio Dal Piaz, Viviana Izzo	Biotechnology
31	Identification and characterization of antibacterial compounds targeting the DNA polymerase III holoenzyme	Alessia Caputo, Elisabetta Levati, Sara Sartini, Giulia Barotti, Gian Marco Elisi, Jerome Wagner, Dominique Burnouf, Simone Ottonello, Silvia Rivara, Barbara Montanini	Biotechnology
32	Preliminary investigation of antiproliferative activity of Astragalus spuneri growing in Albania.	Edlira Pajenga, Rejan Serica, Blerina Pupuleku	Biotechnology
33	Immuno-HUB: development of new, effective glycoconjugate vaccines for tuberculosis	Luciano Piubelli, Sara Tengattini, Teodora Bavaro, Caterina Temporini, Enrica Calleri, Gabriella Massolini, Marco Terreni, Loredano Pollegioni	Biotechnology
34	Biotechnological production of melanin by Streptomyces nashvillensis by using carob pods as	Odile Francesca Restaino, Marika Avitabile, C.	Biotechnology

POSTER BOARD N.	TITLE	AUTHORS	CATEGORY
	substrates	Valeria L. Giosafatto, Loredana Mariniello, Raffale Porta	
35	Spike-mediated viral membrane fusion is inhibited by a specific anti-IFITM2 monoclonal antibody.	Anna Basile, Carla Zannella, Margot De Marco, Giuseppina Sanna, Gianluigi Franci, Massimiliano Galdiero, Aldo Manzin, Vincenzo De Laurenzi, Massimiliano Chetta, Alessandra Rosati, Maria Caterina Turco, Liberato Marzullo	Biotechnology
36	Systems Biocatalysis for renewable biomasses valorization: dream and/or reality?	Elena Rosini, Filippo Molinari, Davide Miani, Loredano Pollegioni	Biotechnology
37	Characterization of a novel thermophilic xylanase from Alicyclobacillus mali FL18 and its heterologous expression in Sulfolobus acidocaldarius	Flora Salzano, Martina Aulitto, Yifei Xu, Eveline Peeters, Danila Limauro	Biotechnology
38	Engineered Saccharomyces cerevisiae for the upcycling of polyethylene terephthalate (PET) monomers	Immacolata Serra, Vittorio Senatore, Letizia Maestroni, Riccardo Milanesi, Ciro Cannavacciuolo, Paola Branduardi	Biotechnology
39	Ferritin nanocages loaded with Indocyanine Green-Loaded for fluorescence-guided detection of cancer tissues	Marta Sevieri, Serena Mazzucchelli, Fabio Corsi	Biotechnology
40	Age-Associated Alterations in Sialylation Affect Nav1.5 Channel Function and Contribute to Cardiac Dysfunction	Adriana tarantino, Andrea Ghiroldi, Dario Melgari, Marco Piccoli, serena calamaio, Giuseppe Ciconte, Carlo Pappone, luigi anastasia	Biotechnology
41	Combined Treatment of Cancer Cells Using Allyl Palladium Complexes Bearing Purine-Based NHC Ligands and Molecules Targeting MicroRNAs miR-221-3p and miR-222-3p: Synergistic Effects on Apoptosis	Chiara Tupini, Matteo Zurlo, Jessica Gasparello, Irene Lodi, Alessia Finotti, Thomas Scattolin, Fabiano Visentin, Roberto Gambari, Ilaria Lampronti	Biotechnology
42	Development of new biological drugs for the treatment of fungal infections	Tania Vanzolini, Tomas Di Mambro, Gianluca Morroni, Simona Fioriti, Francesco Barchiesi, Mauro Magnani	Biotechnology
43	Development of new "lab-on-a-chip" devices for the evaluation of CKD progression markers by the analysis uremic toxins and inflammatory markers in biological matrices	Angela Vastante, Mario Barra, Pasquale D'Angelo, Giuseppe Tarabella, Bartolomeo Della Ventura, Alessandra Perna, Diego Ingrosso, Margherita Borriello	Biotechnology
44	Big-data-driven computational study of type-1 and -2 Cannabinoid Receptors SNPs among 730.000 samples of exome and genome sequences	Alessandro Berghella, Annalaura Sabatucci, Beatrice Dufrusine, Alexander S. Hauser, Enrico Dainese	Computational and Systems Biology
45	PhD-SNPg: updated tool for predicting pathogenic variants in coding and noncoding regions.	Emidio Capriotti, Piero Fariselli	Computational and Systems Biology
46	PathLay: a novel graphical server for -omics integration and interpretation	Lorenzo Casbarra, Matteo Ramazzotti	Computational and Systems Biology
47	Computational estimation of the effects of amino acid mutations on protein-ligand interactions using Alphafold and Molecular Dynamics Simulation	Martina Cirinciani, Giang Pham, Eleonora Da Pozzo, Claudia Martini, Paolo Milazzo	Computational and Systems Biology

POSTER BOARD N.	TITLE	AUTHORS	CATEGORY
48	Hybrid computing approach to estimate the impact of amino acid mutations on protein-ligand interactions.	Martina Cirinciani, Lorenzo Ceccarelli, Giang Pham, Nadia Pisanti, Sandro Cosconati, Eleonora Da Pozzo	Computational and Systems Biology
49	METABOLIC AND PHYSIOLOGICAL REARRANGEMENTS IN BLADDER CANCER CELLS TRANSITIONING FROM ADHERENT TO SPHEROID CULTURES	Giacomo Ducci, Valentina Pasquale, Gloria Campioni, Francesca Servidio, Marcella Bonanomi, Giorgia Ciufolini, Greta Petrella, Bruno Galuzzi, Rocco Piazza, Daniel Cicero, Daniela Gaglio, Chiara Damiani, Elena Sacco, Marco Vanoni	Computational and Systems Biology
50	Multi-Omics Analysis Reveals the Metabolic and Polygenic Basis of Brugada Syndrome	Carlo Pappone, Giuseppe Ciconte, Andrea Ghiroldi, Vladimir Espinosa Angarica, Emanuele Micaglio, Pasquale Creo, Adriana Tarantino, Michelle Monasky, Marco Piccoli, Flavio Mastrocinque, Sara D'Imperio, Federica Cirillo, Zarko Calovic, Lorenzo Menicanti, Gabriele Vicedomini, Vincenzo Santinelli, Enrico Petretto, Luigi Anastasia	Computational and Systems Biology
51	ISPRED-SEQ: Deep Neural Networks and Embeddings for Predicting Interaction Sites in Protein Sequences	Matteo Manfredi, Castrense Savojardo, Pier Luigi Martelli, Rita Casadio	Computational and Systems Biology
52	CoCoNat: computational prediction of coiled-coiled regions from sequence using protein language models	Giovanni Madeo, Castrense Savojardo, Matteo Manfredi, Pier Luigi Martelli, Rita Casadio	Computational and Systems Biology
53	A new computational strategy to predict crystallizable mutants of proteins recalcitrant to crystallization	Alfonso Trezza, Chiara Motta, Ottavia Spiga, Annalisa Santucci	Computational and Systems Biology
54	SUPPORTING MACHINE LEARNING MODEL IN THE CANNABIS THERAPEUTIC PROCESS	Anna Visibelli, Luana Peruzzi, Paolo Poli, Ottavia Spiga, Annalisa Santucci	Computational and Systems Biology
55	Where Do We Come From? What Are We? Where Are We Going? - A portrait of the SIB Education Community	Anna Marabotti, Maria Luisa Genova, Francesco Malatesta	Education
56	Identification of a N-terminal-cleaved form of Cyclophilin D: a new player in an old game?	Gabriele Coluccino, Camilla Bean, Alessandro Negro, Antonio Filippi, Diana Canetti, Valentina Pia Muraca, Michela Carraro, Paolo Bernardi, Alessandra Corazza, Giovanna Lippe	Membranes
57	Glucose-derived glutamate drives neuronal differentiation	Laura D'Andrea, Matteo Audano, Silvia Pedretti, Miriana Braghin, Gabriele Imperato, Giulia De Cesare, Clara Cambria, Marine H. Laporte, Nicola Zamboni, Flavia Antonucci, Monica Di Luca, Elena Marcello, Nico Mitro	Membranes
58	Analyses of frequent and conserved intron positions shed light on the evolution of the mitochondrial carrier family SLC25	Magnus Monné, Antonia Cianciulli, Maria A. Panaro, Rosa Calvello, Anna De Grassi, Luigi Palmieri, Vincenzo Mitolo, Ferdinando Palmieri	Membranes
59	The antiapoptotic URG7 protein increase the prosurvival re-sponse to tunicamicin er stressed of the human neuroblastoma cell line SH-SY5Y	Ilaria Nigro, Rocchina Miglionico, Andrea Gerbino, Monica Carmosino, Faustino Bisaccia, Maria	Membranes

POSTER BOARD N.	TITLE	AUTHORS	CATEGORY
		Francesca Armentano	
60	Mutations in RFVT2 and their biochemical consequences in experimental models from a RTD2 patient	Maria Tolomeo, Lara Console, Valentina Magliocca, Tiziana Persichini, Claudia Compagnucci, Roberto Barbaro, Matilde Colella, Enrico Bertini, Keith Massey, Cesare Indiveri, Maria Barile	Membranes
61	Analysis and biochemical impact of the alteration of miRNA expression involved in different Disorders of Consciousness by digital PCR.	Paolo Bonacci, Dalida Bivona, Carmelo Bonomo, Maria Enza D'Ippolito, Cristina Boccagni, Francesca Rubino, Antonio De Tanti, Lucia Francesca Lucca, Valeria Pingue, Valentina Colombo, Anna Estraneo, Maria Andriolo, Stefania Stefani, Nicolò Musso	Nucleic Acids
62	Small Non-coding RNA in Plants: From Basic Science to Innovative Applications	Giulia Tarquini, Erika Cione	Nucleic Acids
63	Impaired formation of a stable RPA/RNAseH1 complex in senescent cells leads to uncontrolled processing of R-loops and unsuccessful DNA repair	Ylenia Cortolezzis, Vanessa Tolotto, Gabriele Magris, Luigi E. Xodo, Eros Di Giorgio	Nucleic Acids
64	Inflammatory and immunological basis of obsessive-compulsive disorder	Martina Di Bartolomeo, Antonio Girella, Annalaura Sabatucci, Isobel Blacksell, Fabio Bellia, Matteo Vismara, Beatrice Benatti, Enrico Dainese, Enrico Dainese, Fulvio D'Acquisto, Bernardo Dell'Osso, Claudio D'Addario	Nucleic Acids
65	Metabolism and DNA repair: clues from the role of human serine hydroxymethyltransferase	Federica Di Fonzo, Sharon Spizzichino, Dalila Boi, Alessia Parroni, Richard Iszrael, Francesca Romana Liberati, Sara Di Russo, Angela Tramonti, Giovanna Boumis, Alessandro Paiardini, Giorgio Giardina, Serena Rinaldo, Alessio Paone, Beata Vertessy, Francesca Cutruzzolà	Nucleic Acids
66	Antisense Peptide Nucleic Acids (PNAs) targeting the -1 programmed ribosomal frameshift of SARS-COV-2: effects on SARS-CoV-2 infection and expression of pro-inflammatory genes in bronchial epithelial Calu-3 cells	Jessica Gasparello, Sabrina Capodaglio, Valentina Gentili, Roberta Rizzo, Chiara Papi, Matteo Ferrarini, Alessia Finotti, Roberto Corradini, Roberto Gambari	Nucleic Acids
67	Differentially expressed microRNAs in lipedema tissue: data from microarray analysis	Diana Marisol Abrego Guandique, Sandro Michelini, Roberto Cannataro, Nicola Vaia, Serena Michelini, Valeria Puleo, Maria Cristina Caroleo, Erika Cione	Nucleic Acids
68	Role of miR-15b-5p/SIRT4 axis in endothelial dysfunction under in vitro septic conditions	Elisa Martino, Camilla Anastasio, Antonino Colloca, Martina Aquino, Francesca Aragona, Nunzia D'Onofrio, Maria Luisa Balestrieri	Nucleic Acids
69	Evaluation of the neuroprotective potential of Indicaxanthin from Opuntia ficus indica fruit against dysmetabolism-related neurodegeneration in high-fat, diet-fed mice.	Mario Allegra, Simona Terzo, Ilenia Concetta Giardina, Antonella Amato, Alessandro Massaro, Pasquale Calvi, Alessandro Attanzio, Ignazio Restivo, Flavia Mulè, Antonella D'Anneo, Luisa Tesoriere	Nutrition and Environment

POSTER BOARD N.	TITLE	AUTHORS	CATEGORY
70	The oxidation of oleocanthal in oleocanthalic acid during extra virgin olive oil (EVOO) storage is crucial for the loss of its anti-neuroinflammatory activity	Maria Cristina Barbalace, Michela Freschi, Irene Rinaldi, Marco Malaguti, Maria Digiacomo, Lorenzo Zallocco, Laura Giusti, Antonio Lucacchini, Cristina Angeloni, Silvana Hrelia	Nutrition and Environment
71	TRPM2 is fundamental for adipose tissue and liver thermogenic response promotion during cold exposure	Andrea Benzi, Markus Heine, Sonia Spinelli, Annalisa Salis, Adela Memushaj, Laura Sturla, Gianluca Damonte, Alexander W. Fischer, Friedrich Koch-Nolte, Hans-Willi Mittrücker, Andreas H. Guse, Antonio De Flora, Joerg Heeren, Santina Bruzzone	Nutrition and Environment
72	In vitro digested fractions of Phaseolus vulgaris protect colon cells from inflammation and oxidative stress	Clizia Bernardi, Federica Finetti, Lorenza Trabalzini	Nutrition and Environment
73	Nutraceuticals on heart failure: molecular mechanisms in iPSC-derived cardiac organoids	Irene Bissoli, Stefania D'Adamo, Francesco Alabisio, Carla Pignatti, Giulio Agnetti, Flavio Flamigni, Silvia Cetrullo	Nutrition and Environment
74	Micro and nano plastics induce metabolic rewiring and signal transduction alteration in normal human colon cells: a risk factor for human health	Marcella Bonanomi, Sara Mallia, Alessia Lo Dico, Tecla Aramini, Sofia Remedia, Danilo Porro, Daniela Gaglio	Nutrition and Environment
75	Sprouted bean flour as a novel functional ingredient for the formulation of bakery products	Sara Margherita Borgonovi, Stefania Iametti, Alessandra Marti, Alessio Sergiacomo, Mattia Di Nunzio	Nutrition and Environment
76	The power of MALDI-TOF mass spectrometry in the exploration of lentil bioactive peptides.	Chiara Cattaneo, Annalisa Givonetti, Fabrizio Rivardo, Marco Arlorio, Jean Daniel Coisson, Maria Cavaletto	Nutrition and Environment
77	Effect of sustainable feeding strategy with olive oil pomace in Holstein lactating cows on bioactive peptides derived from milk proteins.	Costanza Cicchi, Simone Luti, Paolo Paoli, Luigia Pazzagli	Nutrition and Environment
78	Dysfunction of cellular proteostasis in human primary chondrocytes.	Stefania D'Adamo, Veronica Panichi, Paolo Dolzani, Francesco Alabiso, Irene Bissoli, Silvia Cetrullo, Flavio Flamigni, Rosa Maria Borzì	Nutrition and Environment
79	Interplay between Wnt/β-catenin and Nrf2/HO-1 pathways in renal ischemia/reperfusion injury in diabetic mice	Ramona D'Amico, Roberta Fusco, Salvatore Cuzzocrea, Rosanna Di Paola	Nutrition and Environment
80	Extra Virgin Olive Oil polyphenols exert antioxidant and anti-inflammatory effects on peripheral blood mononuclear cells of rheumatoid arthritis patients.	Diana Di Liberto, Giovanni Pratelli, Bartolo Tamburini, Daniela Carlisi, Antonella D'Anneo, Giuliana Guggino, Marianna Lauricella	Nutrition and Environment
81	In vitro and in silico methods to assess modulation of digestive proteases by food-derived phenolics	Sara Margherita Borgonovi, Florinda Perugino, Lorenzo Pedroni, Andrea Pinto, Sabrina Dallavalle, Stefania Iametti, Luca Dellafiora, Gianni Galaverna, Mattia Di Nunzio	Nutrition and Environment

POSTER BOARD N.	TITLE	AUTHORS	CATEGORY
82	ADHERENCE TO MEDITERRANEAN DIET AS AN ANTIOXIDANT: THE IMPACT ON NEURODEGENERATIVE DISEASES	Alice Di Paolo, Valentina Membrino, Sonila Alia, Alessandro Veccia, Giulio Papiri, Simona Luzzi, Arianna Vignini	Nutrition and Environment
83	Understanding the influence of clinical variables on neonatal metabolic profiling for an improved interpretation of newborn screening results	Maria Lucia Tommolini, Maria Concetta Cufaro, Ilaria Cicalini, Mirco Zucchelli, Silvia Valentinuzzi, Ines Bucci, Vincenzo De Laurenzi, Damiana Pieragostino, Luca Federici, Claudia Rossi	Nutrition and Environment
84	EFFECTS OF COMBINED PHYSICAL EXERCISE ON FUNCTIONALITY OF HIGH DENSITY LIPOPROTEIN IN OBESE SUBJECTS	Gianna Ferretti, Tiziana Bacchetti, Camilla Morresi, Michael Svensson	Nutrition and Environment
85	Identification and characterization of the allergen Arginine Kinase from the edible insect Hermetia illucens	Danila Delfino, Barbara Prandi, Erminia Ridolo, Luca Dellafiora, Davide Cavazzini, Stefano Sforza, Tullia Tedeschi, Claudia Folli	Nutrition and Environment
86	Immunomodulatory effect of environmental disruptors exposure on myocarditis	Gianluca Antonio Franco, Livia Interdonato, Alessia Arangia, Salvatore Cuzzocrea, Roberta Fusco, Rosanna Di Paola	Nutrition and Environment
87	The RNA cargo in small extracellular vesicles from chicken eggs are bioavailable in humans and contribute toward spatial learning and memory in mice	Deborah Fratantonio, Javaria Munir, Juan Cui, Janos Zempleni	Nutrition and Environment
88	Environmental stress and food chain: proteomic evaluation of biotic and abiotic stress effects on beebread, a potential long term surveillance matrix	Francesca Grassi Scalvini, , Simona Nonnis, Elisa Maffioli, Armando Negri, Michele Mortarino, Gabriella Tedeschi	Nutrition and Environment
89	Callus cultures from the pulp of Malus domestica 'Mela Annurca Campana': first chemical characterization and biological properties investigation	Federica Gubitosa, Daniele Fraternale, Leila Benayada, Roberta De Bellis, Andrea Gorassini, Roberta Saltarelli, Lucia Potenza	Nutrition and Environment
90	Estrogens-dependent TRX2 activation reverts oxidative stress and subsequent non-alcoholic fatty liver disease	Alfredo Smiriglia, Nicla Lorito, Angela Subbini, Marina Bacci, Francesca Bonechi, Andrea Perra, Andrea Morandi	Nutrition and Environment
91	Mechanism of Action of Natural Compounds in Peripheral Multiorgan Dysfunction and Hippocampal Neuroinflammation Induced by Sepsis	Ylenia Marino, Livia Interdonato, Alessia Arangia, Salvatore Cuzzocrea, Roberta Fusco, Rosanna Di Paola	Nutrition and Environment
92	Taste sensitivity and saliva antioxidants in anorexia nervosa adolescent female patients at onset and after 6 months of integrated therapy	Valentina Membrino, Alice Di Paolo, Sonila Alia, Tiziana Di Crescenzo, Laura Nanetti, Lucia Emanuela Svarca, David Mazzoni, Michele Severini, Arianna Vignini	Nutrition and Environment
93	Toxic Effects of Endocrine Disruptor Exposure on the immune system	Francesco Molinari, Ylenia Marino, Alessia Arangia, Livia Interdonato, Gianluca Antonio Franco, Roberta Fusco, Rosanna Di Paola, Salvatore Cuzzocrea	Nutrition and Environment
94	Proteomic changes driven by water pollution in the unicellular microalga Chlamydomonas reinhardtii	Simona Nonnis, Francesca Grassi Scalvini, Elisa Maffioli, Maria Chiara Lionetti, Caterina La Porta,	Nutrition and Environment

POSTER BOARD N.	TITLE	AUTHORS	CATEGORY
		Armando Negri, Gabriella Tedeschi	
95	Mercury Chloride Affects Band 3 Protein-Mediated Anionic Transport in Red Blood Cells: Role of Oxidative Stress and Protective Effect of Olive Oil Polyphenols	Pasquale Perrone, Rosaria Notariale, Sara Spinelli, Gianluca Mantegna, Elisabetta Straface, Angela Marino, Alessia Remigante, Rossana Morabito, Caterina Manna	Nutrition and Environment
96	POTENTIAL EFFECTS OF DIFFERENT ANTIOXIDANTS IN THE CO-TREATMENT OF DUCHENNE MUSCULAR DYSTROPHY	Cecilia Prata, Luca Pincigher, Maria Cristina Barbalace, Silvia Zecchini, Roberta Ottria, Harcel Djaya Mbissam, Marco Malaguti, Clara De Palma, Emilio Clementi, Cristiana Perrotta, Silvana Hrelia	Nutrition and Environment
97	Characterisation of Nero Antico di Pretalucente Wine: An Expression of Abruzzo Region Cultivar Heritage	Marta Pulcini, Beatrice Dufrusine, Giorgia Perpetuini, Alessio Pio Rossetti, Rosanna Tofalo, Enrico Dainese	Nutrition and Environment
98	Phytochemical Indicaxanthin from Opuntia ficus-indica (L. Mill) fruit at nutritional relevant plasma concentration inhibits eryptosis induced by cigarette smoke extract	Ignazio Restivo, Ilenia Concetta Giardina, Alessandro Massaro, Stefano Burgio, Adelaide Carista, Mario Allegra, Alessandro Attanzio, Luisa Tesoriere	Nutrition and Environment
99	CD300e as a novel biomarker in obesity: crosstalk between immune system and adipose tissue.	Michela Signo, Sara Coletta, Gaia Codolo, Marina de Bernard	Nutrition and Environment
100	Up-cycling of agricultural food waste: pomegranate peels and tomato skin extracts to counteract oxidative stress, inflammation, and bacteria in the oral mucosa	Alessia Silla, Angela Punzo, Francesca Bonvicini, Cristiana Caliceti, Silvana Hrelia	Nutrition and Environment
101	Snail Extracted Mucus and Cosmeceutical Applications: Strategies To Increase Its Beneficial Effects	Valeria Sorrenti, Valeria Consoli, Maria Gulisano, Salvatore Petralia, Ludovica Maugeri, Angela Castellano, Luca Vanella	Nutrition and Environment
102	A green path to the recovery of bioactive molecules from buckwheat husk	Anna Ramona Speranza, Giuditta Heinzl, Alessio Scarafoni, Sara Limbo, Alberto Giuseppe Barbiroli, Stefania Iametti	Nutrition and Environment
103	Protective effect of astaxanthin on Olfactory Ensheathing Cells exposed to amyloid-β: biological and molecular investigation	Giovanni Sposito, Rosalia Pellitteri, Rosaria Grasso, Julia Bisicchia, Michela Spatuzza, Giuseppina Raciti, Agata Scordino, Agata Campisi	Nutrition and Environment
104	Perfluorinated compounds impact bone cells homeostasis in a zebrafish model for dominant osteogenesis imperfecta	Francesca Tonelli, Cecilia Masiero, Carla Aresi, Eleonora Riva, Antonella Forlino	Nutrition and Environment
105	Enzymatic properties and interaction network of the Mycobacterium tubercolosis rhodanese-like protein SseA	alvatoreS Adinolfi, Mauro Marengo, Alex Fissore, Edoardo Salladini, Simona Oliaro-Bosso, Giulia Di Napoli	Proteins
106	Proteome alterations contributing to microglial dysfunction in Alzheimer Disease	Marta Lualdi, Luisa Pieroni, Lucia Scipioni, Daniel Tortolani, Francesca Ciaramellano, Roberto Coccurello, Debora Cutoli, Fabio Ferlazzo, Laura	Proteins

POSTER BOARD N.	TITLE	AUTHORS	CATEGORY
		Petrosini, Sergio Oddi, Mauro Maccarrone, Tiziana Alberio	
107	Fighting antibiotic tolerance by targeting the H2S-producing enzymes in the superbug Pseudomonas aeruginosa	Marco Pedretti, Carolina Conter, Carmen Fernandez-Rodriguez, Paola Dominici, Luis-Alfonso Martinez-Cruz, Alessandra Astegno	Proteins
108	FAD synthase as a target for cancer therapy	Piero Leone, Alessia Nisco, Tiago Carvalho, Angela Primavera, Maria Tolomeo, Michele Galluccio, Cesare Indiveri, Rosa Angela Cardone, Maria Barile	Proteins
109	Evaluation of the residence time of new 4-HPPD inhibitors as starting point to provide novel strategies for AKU treatment	Giulia Bernardini, Alfonso Trezza, Giulia Romagnoli, Elena Petricci, Annalisa Santucci	Proteins
110	Evaluation of peripheral compensatory mechanism in SARS-CoV-2 infection: 2,3-bisphosphoglycerate accumulation in RBCs of COVID-19 patients.	Maria Sofia Bertilacchi, Chiara Giacomelli, Rebecca Piccarducci, Lorenzo Germelli, Martina De Felice, Chiara Romei, Laura Marchetti, Claudia Martini	Proteins
111	Enzymatic characterization of human succinic semialdehyde dehydrogenase, a NAD+ dependent enzyme involved in a neurodevelopmental rare disorder	Cesaro S, Bettin I, Carmona Carmona C, Bianconi S, Bertoldi M	Proteins
112	Traditional Cigarette Smoke Condensate induces phenotypic switch in smooth muscle cells: a Holistic Overview	Stefano Bellosta, Isabella Damiani, Silvia Castiglioni, Alfonso Carleo, Rossana De Salvo, Clara Rossi, Alberto Corsini, Laura Bianchi	Proteins
113	Novel promising CSF biomarkers of Alzheimer's disease based on protein misfolding, protein aggregation and proteotoxicity	Alessandra Bigi, Giulia Fani, Valentina Bessi, Liliana Napolitano, Lorenzo Neri, Roberta Cascella, Paolo Matteini, Cristina Cecchi, Fabrizio Chiti	Proteins
114	Identification of a hypofunctional phosphoserine phosphatase variant in the brain of Alzheimer's disease patients	Valeria Buoli Comani, Francesco Marchesani, Ivan Arisi, Alessio Peracchi, Stefano Bruno, Andrea Mozzarelli, Loredano Pollegioni, Barbara Campanini	Proteins
115	Biochemical characterization of bacterial Tdm for the detection of TMAO in solution produced by human FMO3	Gianluca Catucci, Federico Cappa, Daniele Giuriato, Danilo Correddu, Gianfranco Gilardi, Sheila J. Sadeghi	Proteins
116	In silico and in vitro investigation of interactions between active compounds and target proteins	Irene Cipollone, Ilaria Iacobucci, Flora Cozzolino, Stefano Morasso, Paola Storici, Daniela Iaconis, Carmine Talarico, Candida Manelfi, Andrea Beccari, Maria Monti	Proteins
117	Pharmacological activation of the HIF-1α pathway regulates satellite cells' fate in adult mice through histone lactylation	Federica Cirillo, Laura Mangiavini, Paolo La Rocca, Marco Piccoli, Andrea Ghiroldi, Paola Rota, Giuseppe Maria Peretti, Luigi Anastasia	Proteins
118	AMYLOTHROMBOSIS AS A NOVEL PATHOGENIC MECHANISM OF THROMBOTIC COMPLICATIONS IN AMYLOIDOSIS: THE CASE OF TRANSTHYRETIN (HTTR)	Alessia Dei Rossi, Laura Acquasaliente, Daniele Peterle, Nicol Berti, Alessandro Negro, Guglielmo Verona, Serena Toffanin, Raimondo De Cristofaro, Francesco Cappelli, Federico Perfetto, Paolo	Proteins

POSTER BOARD N.	TITLE	AUTHORS	CATEGORY
		Simioni, Vittorio Bellotti, Vincenzo De Filippis	
119	Hydrogen-Deuterium Exchange Mass Spectrometry (HDX-MS): an Emerging Tool in Structural Biology	Andrea Pierangelini, Anna Pagotto, Daniele Peterle, Alessia Dei Rossi, Elena Cavedon, Laura Acquasaliente, Vincenzo De Filippis	Proteins
120	Krabbe disease carriers: emerging evidence for an increased risk in neurodegeneration	Rossana De Salvo, Lorenza Vantaggiato, Alfonso Carleo, Enxhi Shaba, Daiana Bezzini, Giovanna Pannuzzo, Alice Luddi, Paola Piomboni, Luca Bini, Laura Bianchi	Proteins
121	A potential and dynamic active Gal-3 inhibitor DHI derivative	sonia di gaetano, Luciano Pirone, Rita Russo, Martina Filocaso, Emanuele Carrella, Alfonso Iadonisi, Alessandro Pezzella, Domenica Capasso, Emilia Pedone	Proteins
122	Correlation between iron dyshomeostasis and 5-lipoxygenase post-transductional activation	Beatrice Dufrusine, Silvia Valentinuzzi, Alessandro Berghella, Damiana Pieragostino, Jacopo Vecchiet, De Laurenzi Vincenzo, Enrico Dainese	Proteins
123	Comparison of heme extraction from human hemoglobin by Staphylococcus aureus hemophores IsdB and IsdH	Valeria Buoli Comani, Monica Cozzi, Omar De Bei, Francesco Marchesani, Marialaura Marchetti, Luca Ronda, Serena Faggiano, Barbara Campanini, Stefano Bettati	Proteins
124	Effects of Non-Immunosuppressant Cyclosporin A Analogues on Toxoplasma gondii Cyclophilins	Filippo Favretto, Carolina Conter, Nicola Masè, Marco Pedretti, Paola Dominici, Alessandra Astegno	Proteins
125	Influence of Tylotoin peptide on human skeletal muscle degeneration in an in vitro model of sarcopenia	Francesca Felice, Roberta Moschini, Giovanni Signore, Francesco Balestri, Mario Cappiello, Antonella Del Corso	Proteins
126	The AlphaFold and crystal structures of human hydroxyproline dehydratase reveal a regulatory catalytic mechanism	Eugenio Ferrario, Riccardo Miggiano, Menico Rizzi, Davide Maria Ferraris	Proteins
127	Biochemical and Bioinformatic Studies of Mutations of Residues at the Monomer-Monomer Interface of Human Ornithine Aminotransferase Leading to Gyrate Atrophy of Choroid and Retina	Fulvio Floriani, Carla Borri Voltattorni, Barbara Cellini, Riccardo Montioli	Proteins
128	Targeting human aldehyde dehydrogenase 1A3 for new drugs and diagnostics tools development against solid tumours	Silvia Garavaglia, Concettina La Motta, Alberto Minassi, Laura Moro, Giulia Pinton	Proteins
129	Development of new dual VGFR2/MTA inhibitors for treatment of drug refractory/metastatic cancer forms	Massimo Genovese, Ilenia Lupinu, Roberta Ibba, Simona Sestito, Anna Caselli, Federico Riu, Sandra Piras, Paolo Paoli, Antonio Carta, Giovanni Raugei	Proteins
130	Cryo-EM-based structural investigation of Mycobacterium tuberculosis Nucleotide Excision Repair pathway.	Marianna Genta, Antonio Chaves, Martino Bolognesi, Franca Rossi, Menico Rizzi, Riccardo Miggiano	Proteins

POSTER BOARD N.	TITLE	AUTHORS	CATEGORY
131	Structural insights into mutations of myelin protein zero linked to Charcot-Marie-Tooth disease.	Teresa Grande, Andrea Carlotta Conti, Tommaso Staderini, Silvia Errico, Francesco Bemporad, Fabrizio Chiti	Proteins
132	STRUCTURAL CHARACTERIZATION OF ALPHA SYNUCLEIN FIBRILS FROM PATIENTS AFFECTED BY MSA AND PARKINSON'S DISEASE	Ilaria Iacobucci, Ludovica Zaccagnini, Irene Cipollone, Tim Bartels, Maria Monti	Proteins
133	Pharmacological Allosteric Chaperones for Pompe Disease: N-acetylcysteine and Carnitine as Enhancers of Human Lysosomal α-Glucosidase	Roberta Iacono, Nadia Minopoli, Beatrice Cobucci-Ponzano, Carla Damiani, Antonietta Tarallo, Giancarlo Parenti, Marco Moracci	Proteins
134	Catechol-induced covalent modifications modulate the aggregation tendency of α-synuclein: an in-solution and in-silico study	Ilenia Inciardi, Elena Rizzotto, Francesco Gregoris, Giovanni Minervini, Patrizia Polverino de Laureto	Proteins
135	TMEM65 controls mitochondrial activity through respiratory complex I assembly and calcium homeostasis	Luisa Iommarini, Iacopo Gherardi, Massimo Vetralla, Luigi D'Angelo, Erika Fernandez-Vizarra, Ivana Kurelac, Giuseppe Gasparre, Diego De Stefani, Anna Maria Porcelli	Proteins
136	PF-04691502, a PI3K/mTOR dual inhibitor, improves learning deficits in APP/PS1 mice.	Marika Lanza, Giovanna Casili, Salvatore Oddo, Salvatore Cuzzocrea, Emanuela Esposito	Proteins
137	A multi-layered approach for the identification of EIF2A as protein target of cannabidiolic acid in glioblastoma cell line	Maria Laura Bellone, Rosa Maria Vitale, Azmal Ali Syed, Federica Pollastro, Giovanni Appendino, Nunziatina De Tommasi, Jeroen Krijgsveld, Fabrizio Dal Piaz	Proteins
138	Deletion of VDAC1 in HAP1 cells affects mitochondrial respiration impacting on complex I activity	Cristiana Lucia Rita Lipari, Giuseppe Battiato, Salvatore A.M. Cubisino, Stefano Conti Nibali, Andrea Magrì, Vito De Pinto, Angela Messina	Proteins
139	The importance of improving the FAIRness of structural data: a case report about spike analysis	Nancy D'Arminio, Deborah Giordano, Bernardina Scafuri, Angelo Facchiano, Anna Marabotti	Proteins
140	Understanding the cross-talk between iron acquisition and energetic metabolism in Staphylococcus aureus	Francesco Marchesani, Monica Cozzi, Marialaura Marchetti, Omar De Bei, Luca Ronda, Stefano Bettati, Barbara Campanini	Proteins
141	Influence of female sex hormones on salivary protein secretion and brain-heart interplay in test anxiety	Lorenzo Zallocco, Laura Sebastiani, Maurizio Ronci, Antonio Lucacchini, Vincenzo Catrambrone, Gaetano Valenza, Maria Rosa Mazzoni, Laura Giusti	Proteins
142	Structural and functional effect of hPHGDH pathological SNPs on L-serine synthesis by the phosphorylated pathway	Giulia Murtas, Elena Zerbini, Valentina Rabattoni, Zoraide Motta, Laura Caldinelli, Marco Orlando, Francesco Marchesani, Barbara Campanini, Silvia Sacchi, Loredano Pollegioni	Proteins
143	Modelling the hyperexcitability preceding Alzheimer’s disease by treating neuronal cells with sub-threshold concentrations of amyloid-β oligomers and glutamate	Lorenzo Neri, Giulia Fani, Fabrizio Chiti	Proteins

POSTER BOARD N.	TITLE	AUTHORS	CATEGORY
144	THE ROLE OF SIALIC ACID IN THE BIOLOGICAL ACTIVITY OF LACTOFERRIN	Antonella Niro, Giusi Ianiro, Luigi Rosa, Piera Valenti, Giovanni Musci, Antimo Cutone	Proteins
145	A multi-omics integrated analysis of serine metabolism in astrocytes differentiation and in Alzheimer's disease	Elisa Maffioli, Farida Tripodi, Simona Nonnis, Giulia Murtas, Francesca Grassi Scalvini, Zoraide Motta, Armando Negri, Silvia Sacchi, Paola Coccetti, Loredano Pollegioni, Gabriella Tedeschi	Proteins
146	Evaluation of flavone C-glycoside vicenin-2 biological functions and potentialities.	Giuseppe Tancredi Patané, Antonella Calderaro, Davide Barreca, Ester Tellone, Giuseppina Laganà, Silvana Ficarra	Proteins
147	Molecular studies toward the comprehension of the role of the polyalanine expansion in the aggregation of PHOX2B: a significant contribution by NMR structural characterization	Luciano Pirone, Sonia Di Gaetano, Luigi Russo, Donatella Diana, Gaetano Malgieri, Roberto Fattorusso, Laura Caldinelli, Simona Di Lascio, Loredano Pollegioni, Diego Fornasari, Roberta Benfante, Emilia Pedone	Proteins
148	Identification of selective AKR1B10 inhibitors in Zolfino bean extracts	Lucia Piazza, Francesco Balestri, Giovanni Signore, Mario Cappiello, Roberta Moschini, Francesca Felice, Antonella Del Corso	Proteins
149	The emerging cardioprotective role of sialidase Neu3 against Ischemia and Reperfusion Injury	Marco Piccoli, Ivana Lavota, Andrea Ghiroldi, Paola Rota, Federica Cirillo, Carlo Pappone, Luigi Anastasia	Proteins
150	New pharmacological targets for the treatment of cardiovascular diseases, from hypertension to ischemia-reperfusion injury	Todisco S, Musio B, Pesce V, Cavalluzzi MM, Petrosillo G, La Piana G, Sgobba MN, Schlosserová N, Cafferati Beltrame L, Di Lorenzo R, Tragni V, Marzulli D, Guerra L, De Grassi A, Gallo V, Volpicella M, Palese LL, Lentini G, Pierri CL.	Proteins
151	The serinosome: a novel human multienzyme metabolic assembly for L-serine biosynthesis	Loredano Pollegioni, Valentina Rabattoni, Francesco Marchesani, Giulia Murtas, Silvia Sacchi, Andrea Mozzarelli, Stefano Bruno, Alessio Peracchi, Barbara Campanini	Proteins
152	Proteins playing fundamental roles in plant-microbe interactions: tomato-Beauveria bassianaas a case study	Silvia Proietti, Laura Bertini, Gaia Salvatore Falconieri, Alberto Pascale, Elisabetta Bizzarri, Carla Caruso	Proteins
153	Completely human antibodies as potential vaccines against Staphylococcus aureus infections	Elisa Restivo, Federico Bertoglio, Srishtee Arora, Mattia Pedotti, Luca Simonelli, Magnus Höök, Luca Varani, Michael Hust, Livia Visai	Proteins
154	Deciphering the mtDNA replication machinery through the identification of novel regulatory factors by BioID2 proximity labelling approach	Francesca Rizzo, Jelena Misic, Dusanka Milenkovic, Nils-Goran Larsson, Paola Loguercio Polosa	Proteins
155	The catechol 3,4-Dihydroxyphenylacetic acid affects the aggregation and the lipid-binding properties of α-synuclein and its mutant E46K at different extent: a biophysical study	Elena Rizzotto, Andrea Pierangelini, Ilenia Inciardi, Laura Acquasaliente, Vincenzo De Filippis, Patrizia	Proteins

POSTER BOARD N.	TITLE	AUTHORS	CATEGORY
		Polverino de Laureto	
156	Characterisation of ADAMTS9 proteoglycanase activity	Gemma Sardelli, Alexander Minns, Tina Burkhard, Roberta Moschini, Antonella Del Corso, Salvatore Santamaria	Proteins
157	Fatty Acid Amide Hydrolase (FAAH) Inhibition downregulates Aβ42 Production in Tg2576 Primary Neurons	Lucia Scipioni, Francesca Ciaramellano, Daniel Tortolani, Sergio Oddi, Mauro Maccarrone	Proteins
158	The zinc finger couple ZNF639/ZBTB2 recruits chromatin remodelling multiprotein complexes to targeted genomic loci	Domenico Sgambati, Veronica Russo, Martina Slapakova, Mariangela Valletta, Rosita Russo, Angela Chambery, Paolo V. Pedone, Ilaria Baglivo	Proteins
159	MucR/Ros family of nucleoid-associated proteins from α-proteobacteria	Martina Slapakova, Domenico Sgambati, Veronica Russo, Mariangela Valletta, Rosita Russo, Luciano Pirone, Emilia M. Pedone, Antonio Chaves-Sanjuan, Angela Chambery, Martino Bolognesi, Marco Nardini, Paolo V. Pedone, Ilaria Baglivo	Proteins
160	The ABA/LANCL1-2 hormone receptors system controls ROS production in cardiomyocytes through ERRα	Sonia Spinelli, Lucrezia Guida, Mario Passalacqua, Mirko Magnone, Bujar Caushi, Elena Zocchi, Laura Sturla	Proteins
161	Characterization of zebrafish Tgds protein, a model to study the pathogenesis of Catel-Manzke syndrome.	Maria Rosaria Coppola, Deianira Bellitto, Matteo Bozzo, Simona Candiani, Michela Tonetti	Proteins
162	Multi-omic analyses of hiPSC-derived astrocytes during differentiation	Farida Tripodi, Zoraide Motta, Giulia Murtas, Valentina Rabattoni, Simona Nonnis, Francesca Grassi Scalvini, Anna Maria Rinaldi, Roberto Rizzi, Claudia Bearzi, Silvia Sacchi, Gabriella Tedeschi, Paola Coccetti, Elisa Maffioli, Loredano Pollegioni	Proteins
163	Characterization of lymphocytes protein cargo in Covid-19: unveiling the impaired coagulation	Silvia Valentinuzzi, Giulia Catitti, Ilaria Cicalini, Maria Lucia Tommolini, Maria Concetta Cufaro, Paola Lanuti, Pasquale Simeone, Verena Damiani, Vincenzo De Laurenzi, Luca Federici, Piero Del Boccio, Damiana Pieragostino	Proteins
164	NAD(P)H regeneration via renewable hydrogen: here comes a robust [FeFe]-hydrogenase (with a little help from redox friends).	Francesca Valetti, Francisco Gasteazoro, Gianluca Catucci, Lisa Barbieri, Alessandro Dalla Costa, Gianfranco Gilardi	Proteins
165	New selective N-acylethanolamine-hydrolyzing acid amidase inhibitors: design, synthesis, and biological effects.	Ornella Xynomilakis, Alessandra Mingione, Silvana Casati, Paola Signorelli, Pierangela Ciuffreda, Roberta Ottria	Proteins
166	Exploring the molecular evolution of ovothiol biosynthesis	Annalisa Zuccarotto, Marco Sollitto, Serena Leone, Marco Gerdol, Imma Castellano	Proteins

POSTER BOARD N.	TITLE	AUTHORS	CATEGORY
167	Fibroblast Growth Factor Receptor (FGFR) signalling promotes resistance to KRASG12C inhibitor Sotorasib (AMG510) in Non-Small cell lung cancer.	Claudia Maria Ascione, Paola Ciciola, Alberto Servetto, Stefania Belli, Daniela Esposito, Luigi Formisano, Robeto Bianco	Tumor Biochemistry
168	ROLE OF DIACYLGLYCEROL KINASES IN ACUTE MYELOID LEUKEMIA	Teresa Gravina, Chiara Maria Teresa Boggio, Elisa Gorla, Silvia Polidoro, Sara Centonze, Daniela Ferrante, Monia Lunghi, Andrea Graziani, Davide Corà, Gianluca Baldanzi	Tumor Biochemistry
169	IF1, the endogenous regulator of ATP synthase, does not inhibit oxidative phosphorylation in cancer cells and promotes proliferation after anoxia-mimicking stress conditions.	Valentina Del Dotto, Gianluca Sgarbi, Riccardo Righetti, Silvia Grillini, Claudia Zanna, Giancarlo Solaini, Alessandra Baracca	Tumor Biochemistry
170	The protein corona changes the biological effect of gold nanoparticles in breast cancer cells	Nora Bloise, Silvia Strada, Marina La Chimia, Lorenzo Fassina, Domenica Scumaci, Livia Visai	Tumor Biochemistry
171	The naturally occurring estrogen receptor-activating mutation ESR1Y537S revealed enhanced susceptibility to ferroptosis induction in breast cancer cells with acquired resistance to estrogen deprivation	Francesca Bonechi, Marina Bacci, Nicla Lorito, Angela Subbiani, Alfredo Smiriglia, Icro Meattini, Paola Chiarugi, Marco Fiorillo, Andrea Morandi	Tumor Biochemistry
172	Linking epithelial-mesenchymal transition and hexosamine synthesis pathway in pancreatic adenocarcinoma	Virginia Brancato, Barbara Zerbato, Jessica Calviello, Elisa Domaneschi, Ferdinando Chiaradonna	Tumor Biochemistry
173	Ribosomal protein uL3 status affects translation efficiency in colorectal cancer cells	Chiara Brignola, Annalisa Pecoraro, Camilla Danisi, Giulia Russo, Annapina Russo	Tumor Biochemistry
174	Sirtuin 6 inhibition as a pharmacological approach in cutaneous Squamous Cell Carcinoma	Elena Abbotto, Caterina Miro, Francesco Piacente, Annalisa Salis, Enrico Millo, Eleonora Russo, Elena Cichero, Laura Sturla, Alessio Nencioni, Monica Dentice, Santina Bruzzone	Tumor Biochemistry
175	Bile acids in the onset of colorectal cancer: the possible role of Notch signalling	Angela Punzo, Alessia Silla, Rossana Comito, Emanuele Porru, Silvana Hrelia, Cristiana Caliceti	Tumor Biochemistry
176	EXPLORING THE ROLE OF PARAOXONASE-2 IN HUMAN CLEAR CELL RENAL CELL CARCINOMA: IN VITRO EFFECT OF SHRNA-MEDIATED GENE SILENCING ON CELL PROLIFERATION AND CHEMOSENSITIVITY	Roberto Campagna, Valentina Schiavoni, Valentina Pozzi, Davide Sartini, Giulio Milanese, Andrea Benedetto Galosi, Monica Emanuelli, Eleonora Salvolini	Tumor Biochemistry
177	Smart functionalized polyvinylpyrrolidone nanogels for drug and siRNA delivery in solid tumours	Simona Campora, Alessandra Lo Cicero, Gabriele Lo Buglio, Federica Seidita, Matilda Iemmolo, Francesco La Monica, Clelia Dispenza, Giulio Ghersi	Tumor Biochemistry
178	Essential oil from Sicilian Origanum vulgare (L.) induces cytotoxic effects in Breast Cancer cells	Giovanni Affronte, Giovanni Pratelli, Anna De Blasio, Marianna Lauricella, Antonella D'Anneo, Marzia Franzò, Giuseppe Calvaruso, Daniela Carlisi	Tumor Biochemistry
179	NME4-driven mitochondrial reshape signals to the nucleus and promotes pancreatic carcinogenesis	Alessandro Carrer, Carlotta Paoli	Tumor Biochemistry

POSTER BOARD N.	TITLE	AUTHORS	CATEGORY
180	Mutant p53 stimulates mitochondrial fragmentation in pancreatic ductal adenocarcinoma (PDAC)	Chiara Mortali, Raffaella Pacchiana, Adriana Celesia, Alessandra Fiore, Federica Danzi, Barbara Cisterna, Massimo Donadelli	Tumor Biochemistry
181	Functional multi-omics investigation reveals potential molecular mechanisms involved in chemoradiotherapy response prediction in locally advanced rectal cancer	Ilaria Cicalini, Silvia Valentinuzzi, Andrea Delli Pizzi, Piero Chiacchiaretta, Vincenzo De Laurenzi, Damiana Pieragostino, Luca Federici, Piero Del Boccio	Tumor Biochemistry
182	Aptamer-Based Therapeutic Targeting for Glioblastoma: suicide gene therapy and Aptamer-Chimera	Martina Colasante, Luana Di Leandro, Francesco Giansanti, Rodolfo Ippoliti	Tumor Biochemistry
183	Heme oxygenase dictates ferroptosis sensitivity in breast cancer cells	Valeria Consoli, Valeria Sorrenti, Antonino Nicolò Fallica, Valeria Pittalà, Sebastiano Intagliata, Luca Vanella	Tumor Biochemistry
184	Orobanche crenata extracts exerts antitumor activity “in vitro”	Floriana D'Angeli, Carlo Genovese, Debora Lo Furno, Giuliana Mannino, Carmelina Daniela Anfuso, Fiorella Guadagni, Giovanni Giurdanella	Tumor Biochemistry
185	FLASH irradiation spares bronchial epithelial cells, limits fibrotic marker, and increases the mortality of lung adenocarcinoma cells.	Francesca Del Debbio, Maria Sofia Bertilacchi, Giovanni Gadducci, Noemi Giannini, Fabiola Paiar, Simone Capaccioli, Fabio Di Martino, Claudia Martini, Barbara Costa, Eleonora Da Pozzo	Tumor Biochemistry
186	IRAK1: a novel target to overcome the chemo-immuno-resistance in NSCLC	Sabrina Digiovanni, Paolo Bironzo, Francesca Napoli, Valeria Ramundo, Joanna Kopecka, Luisella Righi, Silvia Novello, Giorgio Vittorio Scagliotti, Chiara Riganti, Iris Chiara Salaroglio	Tumor Biochemistry
187	Mutant p53 (mutp53)-driven HMGA1 secretion promotes pancreatic ductal adenocarcinoma (PDAC) proliferation and chemoresistance	Federica Danzi, Alessandra Fiore, Simone Augello, Adriana Celesia, Chiara Mortali, Raffaella Pacchiana, Jessica Brandi, Daniela Cecconi, Massimo Donadelli	Tumor Biochemistry
188	The epi-drug ITF2357 (Givinostat) affects nuclear BRAF and oncogenic p53 interaction in melanoma cells	Adriana Celesia, Marzia Franzò, Diana Di Liberto, Antonietta Notaro, Federica Affranchi, Michela Giuliano, Sonia Emanuele	Tumor Biochemistry
189	Mitochondrial citrate carrier (SLC25A1) is NOT essential for KRAS-mutated pancreatic ductal adenocarcinoma (PDAC) cell growth	Marco Fiorillo, Federica Marra, Luca Frattaruolo, Erika Cione, Anna Rita Cappello, Giuseppe Fiermonte, Vincenza Dolce	Tumor Biochemistry
190	Lactate accumulation reshapes the myelofibrotic microenvironment metabolic profile	Sebastiano Giallongo, Mariarita Spampinato, Cesarina Giallongo, Enrico La Spina, Laura Orlando, Lucia Longhitano, Mariangela Amorini, Giuseppe Lazzarino, Giuseppe Alberto Maria Palumbo, Giovanni Li Volti, Daniele Tibullo	Tumor Biochemistry

POSTER BOARD N.	TITLE	AUTHORS	CATEGORY
191	SELECTIVE ANTICANCER EFFECT OF S-ADENOSYLMETHIONINE ON HUMAN GLIOBLASTOMA CELL LINES VIA CELL CYCLE ARREST, MITOTIC CATASTROPHE, APOPTOSIS AND INHIBITION OF DNA REPAIR	Roberta Grillo, Roberta Veglia Tranchese, Roberta Arpino, Francesca Cadoni, Cristina Pagano, Giovanna Navarra, Laura Mosca, Giovanna Cacciapuoti, Marina Porcelli	Tumor Biochemistry
192	Metabolic-driven immune changes in melanoma in a gender-dependent manner	Marta Iozzo, Giuseppina Comito, Luigi Ippolito, Giada Sandrini, Elisa Pardella, Carlo Catapano, Paola Chiarugi, Elisa Giannoni	Tumor Biochemistry
193	Stromal lactate sustains a tumor cell-derived collagen signature through the activation of P4HA1-DDR1 axis in prostate cancer cells	Luigi Ippolito, Assia Duatti, Marta Iozzo, Giuseppina Comito, Elisa Pardella, Erica Pranzini, Giada Sandrini, Carlo Catapano, Andrea Morandi, Elisa Giannoni, Paola Chiarugi	Tumor Biochemistry
194	Isolation of rat primary breast carcinoma cells to study the synergic action of nano-constructs on the microenvironment and antitumor efficiency	Alessandra Lo Cicero, Simona Campora, Gabriele Lo Buglio, Matilda Iemmolo, Francesco La Monica, Giulio Ghersi	Tumor Biochemistry
195	FADS1/2-mediated lipid metabolic reprogramming drives ferroptosis sensitivity in metastatic triple-negative breast cancer	Nicla Lorito, Angela Subbiani, Alfredo Smiriglia, Marina Bacci, Icro Meattini, Paola Chiarugi, Alexandra Avgustinova, Dario Livio Longo, Angela Bachi, Andrea Morandi	Tumor Biochemistry
196	Proteomics functional characterization of growth hormone–secreting and non-functional pituitary adenomas	Vincenzo Macaione, Concetta Saoca, Laura Bianchi, Rossana De Salvo, Lorenza Vantaggiato, Laura Licitri, Loredana Grasso, Francesco Ferraù, Enxhi Shaba, Luca Bini, Salvatore Cannavò, M'hammed Aguennouz	Tumor Biochemistry
197	PDL-1 promotes proliferation of glioblastoma cells	Chiara Malasomma, Andrea Cerullo, Simona Urzini, Valeria Di Giacomo, Maria Paola Gammella, Laura Marrone, Simona Romano, Maria Fiammetta Romano	Tumor Biochemistry
198	PHGDH heterogeneity is a key driver of 5-Fluorouracil resistance in colorectal cancer	Caterina Mancini, Giulia Lori, Marta Iozzo, Fabio Cianchi, Giovanni Raugei, Erica Pranzini, Maria Letizia Taddei	Tumor Biochemistry
199	Circulating tumor cells detection by Raman spectroscopy	Maria Mangini, Maria Antonietta Ferrara, Gianluigi Zito, Stefano Managò, Alberto Luini, Giuseppe Coppola, Anna Chiara De Luca	Tumor Biochemistry
200	Insights into the mechanisms of alternative macrophage polarization to circumvent cancer immunotherapy resistance	Laura Marrone, Valeria Di Giacomo, Simona Urzini, Mariapaola Gammella, Marialuisa Alessandra Vecchione, Chiara Malasomma, Andrea Cerullo, Maria Fiammetta Romano, Simona Romano	Tumor Biochemistry

POSTER BOARD N.	TITLE	AUTHORS	CATEGORY
201	Human ABCC6 protein comes into play in mechanisms which control the aggressiveness of hepatocarcinoma cells	Ilenia Matera, Maria Antonietta Castiglione Morelli, Rocco Zaccagnino, Alessandro Pistone, Faustino Bisaccia, Angela Ostuni	Tumor Biochemistry
202	Molecular pathways involved in the biological effect of lemon essential oil in an in vitro experimental model of resistant human acute lymphoblastic leukaemia	Alessandro Maugeri, Sara Abdelfatah, Thomas Efferth, Michele Navarra	Tumor Biochemistry
203	Development of an oral mucosa model useful to characterize drug delivery systems for the Oral Lichen Planus treatment	Elena Mazzinelli, Ilaria Favuzzi, Giorgia Fratocchi, Giuseppina Nocca, Carlo Lajolo, Valerio Papa, Marianna Messina, Ilaria Cacciotti	Tumor Biochemistry
204	Inactive mutated VEGFR2 promotes tumor growth interacting with wild-type receptor	Elisabetta Grillo, Cosetta Ravelli, Michela Corsini, Roberto Bresciani and Stefania Mitola	Tumor Biochemistry
205	Patterns of immunoproteasome subunit expression and assembly into proteolytic particles in gastric cancer cells with different histotypes: implications for cancer metastasis	Francesca Monittola, Marzia Bianchi, Maria Gemma Nasoni, Francesca Luchetti, Anastasia Ricci, Michele Menotta, Mauro Magnani, Rita Crinelli	Tumor Biochemistry
206	Natural compounds against tumor dormancy, a potential therapeutic target in tumor recurrence and metastasis prevention	Maria Mosaico, Elena Butturini, Alessandra Carcereri de Prati, Sofia Mariotto	Tumor Biochemistry
207	Gene-expression variation and analogies with 5-Fluorouracil of two novel ethylene heteroaryl compounds	Paolo Bonacci, Carmela Bonaccorso, Giuseppe Consiglio, Cosimo Fortuna, Stefania Stefani, Nicolò Musso	Tumor Biochemistry
208	Role of BPGM in regulating cell proliferation	ILARIA NESI, ALICE SANTI, PAOLO PAOLI, ANNA CASELLI, PAOLO CIRRI	Tumor Biochemistry
209	FAD synthesis and delivery to lysine demethylase 1: a crucial step in cancer epigenetics	Alessia Nisco, Maria Tolomeo, Lucia Maisto, Daria Di Molfetta, Rosa Angela Cardone, Katia Zanier, Maria Barile	Tumor Biochemistry
210	A HYDROALCOHOLIC EXTRACT FROM SICILIAN GRAPE POMACE AS MODULATOR OF CANCER CELL DEATH	Federica Affranchi, Sonia Emanuele, Adriana Celesia, Anna De Blasio, Giuseppe Calvaruso, Michela Giuliano, Antonietta Notaro	Tumor Biochemistry
211	New analogues of marine alkaloid Nortopsentin with antitumoral activity on breast cancer cells	Sara Novi, Mario Felice Tecce, Vincenzo Vestuto, Pietro Campiglia, Carmine Ostacolo	Tumor Biochemistry
212	Overcoming drug-resistance in advanced prostate cancer by bifunctional inhibitors	Simonetta Oliaro-Bosso, Donatella Boschi, Marco Lucio Lolli, Francesca Spyrakis, Agnese chiara Pippione, Tomasz Wrobel, Amit Pandey, Chiara Vigato, Stefano Sainas, Gaia Vanzetti, Edoardo Salladini, Mauro Marengo, Salvatore Adinolfi	Tumor Biochemistry
213	New evidence on KRIT1 role in tumor biology and therapy	Lucrezia Paradisi, Federica Finetti, Lorenza Trabalzini	Tumor Biochemistry
214	Lactic acid secreted by cancer associated fibroblasts supports ferroptosis resistance in prostate carcinoma	Elisa Pardella, Erica Pranzini, Luigi Ippolito, Marta Iozzo, Giovanna Sgrignani, Alessio Nocentini, Giada Sandrini, Carlo V. Catapano, Claudiu T. Supuran,	Tumor Biochemistry

POSTER BOARD N.	TITLE	AUTHORS	CATEGORY
		Andrea Morandi, Elisa Giannoni, Giuseppina Comito, Paola Chiarugi	
215	Tissue metabolite composition drives metastatic organotropism in prostate cancer	Erica Pranzini, Luigi Ippolito, Alice Santi, Giulia Gangarossa, Elisa Pardella, Marta Iozzo, Giovanna Sgrignani, Andrea Morandi, Giuseppina Comito, Elisa Giannoni, Paola Chiarugi	Tumor Biochemistry
216	METHIONINE GAMMA-LYASE: AN ENZYME FOR NUTRIENT STARVATION IN CANCER THERAPY. Addressing challenges through molecular mechanistic studies and a novel delivery strategy.	Samanta Raboni, Serena Montalbano, Annamaria Buschini, Stefano Bettati, Andrea Mozzarelli, Patrizia Cioni, Edi Gabellieri, Simone Sidoli, Mario d'Acunto, Francesco Fumagalli, Giacomo Ceccone	Tumor Biochemistry
217	4-Methyl umbelliferone effects on cell proliferation in human glioma cells.	Concetta Saoca, Francesca Polito, Laura Licitri, Vincenzo Macaione, Filippo Flavio Angileri, Salvatore Cardali, Loredana Grasso, Mohammed Aguennouz	Tumor Biochemistry
218	Mitochondrial impairment induced by new tamoxifen-derived metal complexes in breast cancer cells	Valeria Scalcon, Riccardo Bonsignore, Jana Aupic, Sophie R. Thomas, Alessandra Folda, Alessandra Magistrato, Angela Casini, Maria Pia Rigobello	Tumor Biochemistry
219	ENHANCED EXPRESSION OF NICOTINAMIDE N-METHYLTRANSFERASE IN HUMAN OSTEOSARCOMA: POTENTIAL ROLE IN TUMOR GROWTH AND CHEMORESISTANCE	Emma Nicol Serritelli, Valentina Pozzi, Roberto Campagna, Davide Sartini, Eleonora Salvolini, Corrado Rubini, Gaia Goteri, Monica Emanuelli	Tumor Biochemistry
220	Stromal-derived lactate activates amoeboid motility by engaging the Endocannabinoid receptor GPR55 in a prostate cancer model	Giovanna Sgrignani, Lara Di Leonardo, Marta Iozzo, Elisa Pardella, Luigi Ippolito, Erica Pranzini, Giulia Gangarossa, Andrea Morandi, Giuseppina Comito, Elisa Giannoni, Paola Chiarugi	Tumor Biochemistry
221	Biochemical analysis of a selective compound library for aldehydes dehydrogenase1A3	Sonia Siragusa	Tumor Biochemistry
222	ADAPTIVE MECHANISMS TRIGGERED BY PHARMACOLOGICAL COMPLEX I INHIBITION IN OVARIAN CANCER	Manuela Sollazzo, Sara Milioni, Monica De Luise, Stefano Miglietta, Ilaria Gligora, Ivana Kurelac, Luisa Iommarini, Giuseppe Gasparre, Anna Maria Porcelli	Tumor Biochemistry
223	Identification of metabolic vulnerabilities in ER+ breast cancer cells resistant to estrogen deprivation using RNA interference screening.	Angela Subbiani, Marina Bacci, Nicla Lorito, Alfredo Smiriglia, Francesca Bonechi, Icro Meattini, Paola Chiarugi, Matteo Ramazzotti, Paola Francica, Andrea Morandi	Tumor Biochemistry
224	NAMPT in melanoma: linking NAMPT-dependent metabolic reprogramming and immune regulation.	Irene Fiorilla, Alberto Maria Todesco, Enrico Moiso, Luca Ponzone, Ponzano Alessia, Rossana Piraino, Sara Sdelci, Marcello Manfredi, Vincenzo Calautti, Valentina Audrito	Tumor Biochemistry
225	Interaction of lipid metabolism and ferroptosis in myeloid leukemia cells over-expressing the	Silvia Trombetti, Raffaele Sessa, Rosa Catapano,	Tumor Biochemistry

POSTER BOARD N.	TITLE	AUTHORS	CATEGORY
	short isoform of GATA-1 (GATA-1S)	Stelina Luka, Mayank Mishra, Francesco Bruno, Paola Izzo, Sante Roperto, Pietro Zoppoli, Michela Grosso	
226	Effect of Curcumin on Prostate Cancer Prevention and Treatment: Molecular and Metabolic Mechanisms	Emilia Bevacqua, Giuseppe Cirillo, Luca Frattaruolo, Anna Rita Cappello, Paola Tucci	Tumor Biochemistry
227	PGM3 inhibition shows cooperative effects with erastin inducing pancreatic cancer cell death via activation of the unfolded protein response.	Barbara Zerbato, Maximilian Gobbi, Tobias Ludwig, Virginia Brancato, Alex Pessina, Luca Brambilla, Andre Wegner, Ferdinando Chiaradonna	Tumor Biochemistry
256	Immunological targeting of tumor cells: a novel approach	Alice Santi, Ilaria Nesi, Chiara Della Bella, Maria Letizia Taddei, Erica Pranzini, Paolo Paoli, Mario Milco D'Elios, Matteo Ramazzotti, Massimo Genovese, Anna Caselli & Paolo Cirri	Tumore Biochemistry
228	Evidence for autologous cell therapy in diabetic retinopathy: protective effects of human pericyte-like adipose-derived mesenchymal stem cells on human retinal endothelial cells.	Gabriella Lupo, Aleksandra Agafonova, Alessia Cosentino, Giovanni Giurdanella, Floriana D'Angeli, Giuliana Mannino, Debora Lo Furno, Carmelina Daniela Anfuso	Miscellaneous
229	Boosting NAD in senescent microglia to fight neurodegeneration?	Cecilia Astigiano, Giulia Cutugno, Maria Teresa Golia, Marta Tiffany Lombardo, Giordano Roncella, Andrea Benzi, Santina Bruzzone, Claudia Verderio	Miscellaneous
230	Multiomics approaches for therapeutic developments in ataxia telangiectasia.	Federica Biancucci, Anastasia Ricci, Gianluca Morganti, Mauro Magnani, Michele Menotta	Miscellaneous
231	STAT3-loaded Extracellular Vesicles: basis of a new possible therapeutic approach to restore STAT3 signalling deficiency	Elena Butturini, Ilaria Bettin, Martina Brattini, Fuhrmann Gregor, Sofia Mariotto	Miscellaneous
232	Gene knockout of DDC in SH-SY5Y cells using CRISPR/Cas9: A promising neuronal model for aromatic amino acid decarboxylase (AADC) deficiency.	Cristian Andres Carmona Carmona, Rossella Franchini, Giovanni Bisello, Roberta Galavotti, Gianluigi Lunardi, Patricia M.-J. Lievens, Mariarita Bertoldi	Miscellaneous
233	Succinic Semialdehyde Dehydrogenase Deficiency: from molecular insights towards an organoid based disease model.	Samuele Cesaro, Petra Richter, Thomas Opladen, Sabine Jung-Klawitter, Mariarita Bertoldi	Miscellaneous
234	Comparison of effects exerted by smoke extracts generated from heated and burned cigarettes on human bronchial epithelial cells and on their released extracellular vesicles.	Elisabetta Chiaradia, Raffaella Latella, Alessia Tognoloni, Brunella Tancini, Lorena Urbanelli, Giada Cerrotti, Angela Gambelunghe, Marco Dell'Omo, Carla Emiliani, Sandra Buratta	Miscellaneous
235	Semaphorin3A induces a novel cancer restraining signature in cancer-associated fibroblasts of pancreatic ductal adenocarcinoma	Carina Florina Cojocaru, Serena Brundu, Giulia Franzolin, Jessica Erriquez, Roberta Porporato, Maddalena Arigoni, Raffaele Calogero, Martina Olivero, Enrico Giraudo	Miscellaneous

POSTER BOARD N.	TITLE	AUTHORS	CATEGORY
236	Obstructive sleep apnoea and Mild cognitive impairment: an insight on intermittent hypoxia effects and role of plasma biomarkers in prediction of cognitive decline insurgence.	Martina De Felice, Lorenzo Germelli, Rebecca Piccarducci, Alessia Pascazio, Michelangelo Maestri, Anna Baccaglini-Frank, Eleonora Da Pozzo, Claudia Martini	Miscellaneous
237	Resolvins signaling modulation in an in vitro model of human inflamed keratinocytes	Camilla Di Meo, Sara Standoli, Cinzia Rapino, Mauro Maccarrone	Miscellaneous
238	Semaphorin receptor PlexinB1 inhibition reprograms immune cells hampering tumor growth and metastatic dissemination in mouse models of triple negative breast cancer	Giulia Franzolin, Serena Brundu, Aurora Curatolo, Matteo Ponzo, Carina Florina Cojocaru, Hiroaki Suga, Junichi Takagi, Luca Tamagnone, Enrico Giraudo	Miscellaneous
239	MESENCHYMAL STEM CELL IN ENTHESIS REGENERATION: TRANSLOCATOR PROTEIN 18 KDA (TSPO) AS A DRIVING DIFFERENTIATION MECHANISM	Chiara Giacomelli, Martina Nencioni, Lara Russo, Laura Marchetti, Giovanni Vozzi, Sabrina Taliani, Claudia Martini, Maria Letizia Trincavelli	Miscellaneous
240	Hydrogen sulfide (H2S) as an additional player in the redox dysregulation of Amyotrophic Lateral Sclerosis (ALS)	Viviana Greco, Alida Spalloni, Anna Percio, Michela Cicchinelli, Patrizia Longone, Andrea Urbani	Miscellaneous
241	Blood brain barrier damage in ischemic stroke: modulation by graphene/noble metal nanoparticles nanocomposites.	Carmelina Daniela Anfuso, Alessia Cosentino, Aleksandra Agafonova, Alice Foti, Luana Calì, Cristina Satriano, Gabriella Lupo	Miscellaneous
242	Unraveling the Impact of Muscle Heme Metabolism on Tumor Microenvironment and Pre-metastatic Niche	Alessio Menga, Myriam Hsu, Laura Conti, Emanuela Tolosano, Paolo Porporato	Miscellaneous
243	Identification of genes that regulate the internalization of α-synuclein pre-formed fibrils	Lea Nikolić, Elena De Cecco, Luca Braga, Adriano Aguzzi, Giuseppe Legname	Miscellaneous
244	Role of endocannabinoid receptor TRPV1 in myogenic differentiation induced by sphingosine 1-phosphate in murine myoblasts	Sara Pecchioli, Sara Standoli, Cinzia Rapino, Caterina Bernacchioni, Chiara Donati, Mauro Maccarrone, Paola Bruni, Francesca Cencetti	Miscellaneous
245	Analysis of the effects of Bisphenol AF (BPAF) on muscle and liver cells metabolism	Lucia Pecora, Massimo Genovese, Ilaria Nesi, Alice Santi, Anna Caselli, Paolo Cirri, Paolo Paoli	Miscellaneous
246	Sirtuin 6 Regulates the Activation of the ATP/Purinergic Axis in Endothelial Cells	Cecilia Astigiano, Francesco Piacente, Maria Elena Laugieri, Andrea Benzi, Christian Di Buduo, Carolina Miguel, Debora Soncini, Michele Cea, Antonella Antonelli, Mauro Magnani, Alessandra Balduini, Antonio De Flora, Santina Bruzzone	Miscellaneous
247	Protein and metabolic markers of oxidative and inflammatory stress are useful for delineating the biochemical profile of human follicular fluids in a pathophysiological context	Maria Antonietta Castiglione Morelli, Assunta Iuliano, Ilenia Matera, Alessandro Pistone, Licia Viggiani, Angela Ostuni	Miscellaneous
248	Biochemical markers and mobility function change in response to a High-Intensity Interval Training in MS patients	Alessandra Amato, Sara Baldassano, Anna Alioto, Carlo Rossi, Andrea Pagliaro, Paolo Ragonese, Giuseppe Schirò, Giuseppe Salemi, Sonya Vasto and	Miscellaneous

POSTER BOARD N.	TITLE	AUTHORS	CATEGORY
		Patrizia Proia	
249	SPHINGOSINE 1-PHOSPHATE SIGNALING AXIS MEDIATES NEUROPEPTIDE S-INDUCED INVASION OF ENDOMETRIOTIC CELLS	Maryam Raeispour, Matteo Prisinzano, Isabella Seidita, Margherita Rossi, Felice Petraglia, Caterina Bernacchioni, Chiara Donati	Miscellaneous
250	Phosphoproteins and inflammation molecules as new therapeutic targets for Shwachman-Diamond syndrome (SDS).	Giuseppe Sabbioni, Elisabetta D'Aversa, Giulia Breveglieri, Alessia Finotti, Roberto Gambari, Monica Borgatti, Marco Cipolli, Christian Boni, Valentino Bezzerri	Miscellaneous
251	Regulation of human D-aspartate oxidase	Valentina Rabattoni, Zoraide Motta, Matteo Miceli, Gianluca Molla, Loredano Pollegioni and Silvia Sacchi	Miscellaneous
252	Argirium SUNc new nanoclusters for pharmacological therapy. Biochemistry of interactions.	Luca Scotti	Miscellaneous
253	Imbalance of the Endocannabinoid System in Alzheimer's Disease–Associated Retinal Inflammation	Annamaria Tisi, Giulia Carozza, Lucia Di Re, Giacomo Giacovazzo, Lucia Scipioni, Sergio Oddi, Rita Maccarone, Mauro Maccarrone	Miscellaneous
254	INTRANASAL ADMINISTRATION OF KYCCSRK PEPTIDE RESCUES BRAIN INSULIN SIGNALING ACTIVATION AND REDUCES AD-LIKE NEUROPATHOLOGY IN A MOUSE MODEL FOR DOWN SYNDROME	Antonella Tramutola, Simona Lanzillotta, Giuseppe Aceto, Sara Pagnotta, Gabriele Ruffolo, Pierangelo Cifelli, Federico Marini, Cristian Ripoli, Eleonora Palma, Claudio Grassi, Fabio Di Domenico, Marzia Perluigi, Eugenio Barone	Miscellaneous
255	Downregulation of zebrafish neuraminidase neu3.2 affects skeletal muscle development: new insight into the biochemistry of muscle pathologies	Daniela Zizioli, Silvia Codenotti, Marta Manzoni, Alessandro Fanzani, Giuliana Benaglia, Elena Massardi, Giuseppe Borsani, Eugenio Monti	Miscellaneous