

Conference on Crystallography, Structural Chemistry and Biosystems (CSCB)

February 26-28, 2020 - Catania

Final Program

February 26th (Museo Diocesano)

14:00 - 15:00	Registration
15:00 - 15:10	Opening remarks
Session 1	Chair: Michele Saviano
15:10 - 15:30	1 Cinzia Giannini <i>Supra and submolecular investigation of pathological tissues by X-rays scanning microscopy</i>
15:30 - 15:50	2 Giuseppe Felice Mangiatordi <i>Exploring the role of Elongation Factor-Like 1 (EFL1) in Shwachman-Diamond Syndrome through molecular dynamics</i>
15:50 - 16:10	3 Dritan Siliqi <i>Structural Insights into the Intracellular Region of the Human Magnesium Transport Mediator CNNM4</i>
16:10 - 16:30	4 Rita Tosto <i>Interaction between Aβ42 and the Porphyrin-Peptide conjugates: potential use of the systems as theranostic agents in Alzheimer's disease</i>
16:30 - 17:00	Coffee Break
Session 2	Chair: Giuseppina Rea
17:00 - 17:20	5 Maria Moccia <i>PNAs: a versatile synthetic tool in miRNAs targeting</i>
17:20 - 17:40	6 Francesca Petronella <i>Visible light activeTiO₂/Au nanorods for photocatalytic environmental remediation</i>
17:40 - 18:00	7 Giuseppe Di Natale <i>A survey of different approaches using ESI Mass Spectrometry for the characterization of metal binding sites in amyloid peptide fragments</i>
18:00 - 18:20	8 Cecilia Bartolucci <i>Science and Technology Foresight Project</i>
18:20 - 18:40	9 Massimiliano Catricalà <i>A year in Antarctica</i>
18.40 - 19:30	Tour of the Terme Achilliane and Terrazze panoramiche
19:30 - 21:30	Welcome Party

February 27th (Museo Diocesano)

Session 1	Chair: Dritan Siliqi
09:00 - 09:20	10 Davide Altamura <i>Advanced X-ray Characterization of Hierarchical Systems: from Biotissues to Electronic Devices</i>
09:20 - 09:40	11 Rocco Caliandro <i>Structural Basis for Inhibition of Copper Trafficking by Platinum Anticancer Drugs</i>
09:40 - 10:00	12 Giuseppina Rea <i>Design and fabrication of biosensors for environmental and food safety monitoring</i>
10:00 - 10:20	13 Marco Coletti (TA instruments) <i>Microcalorimetry as a tool to investigate crystal and amorphous content</i>
10:20 - 11:00	Coffee Break
Session 2	Chair: Danilo Milardi
11:00 - 11:20	14 Sonia Covaceuszach <i>Insights on the molecular and structural basis of human dystroglycanopathies</i>
11:20 - 11:40	15 Rosanna Rizzi <i>Solving polycrystalline structures: from data collection to the development of innovative crystallographic methods</i>
11:40 - 12:00	16 Michele Francesco Maria Sciacca <i>The role of stereochemistry in the inhibition of Aβ Amyloid growth and toxicity by silybins</i>
12:00 - 12:20	17 Francesco Capitelli <i>Structural investigation of calcium phosphates</i>
12:20 - 12:40	18 Amina Antonacci <i>Algae-Based Biosensors</i>
12:40 - 14:00	Lunch
14:00 - 15:00	Poster session

Session 3	Chair: Rocco Caliandro
15:00 - 15:20	19 Danilo Milardi <i>Revisiting pyrazolones as proteasome activators with neuroprotective activity</i>
15: 20 - 15:40	20 Valeria Lanza <i>Cross talk between Amyloid β peptides and Ubiquitin: new perspective in Alzheimer's disease</i>
15:40 - 16:00	21 Nicola Corriero <i>Software for the Characterization of Polycrystalline Compounds</i>
16:00 - 16:20	22 Francesco Bellia <i>Competitive effectors of alpha-synuclein</i>
16:20 - 17:00	Coffee Break
Session 4	Chair: Sonia Covaceuszach
17:00 - 17:20	23 Annalisa Masi <i>Free radicals induced DNA damage: Chemical, Analytical, Biological, and Diagnostic Aspects</i>
17:20 - 17:40	24 Francesco Attanasio <i>Carnosine and trehalose-carnosine interplay in the activation of Creb functions and copper homeostasis</i>
17:40 - 18:00	25 Roberta Montanari <i>Insights into the PPARγ phosphorylation and its inhibition mechanism</i>
18:00 - 18:20	26 Giuseppe Pappalardo <i>Peptide therapeutics: β-sheet breaker conjugates for neuroprotection and amyloid detection</i>
18:20 - 18:40	27 Fabrizio Clemente <i>Reverse engineering and 3D additive manufacturing from research to the clinical assistance</i>
20:00-23:00	Social dinner

February 28th (CNR-IC Conference hall)

Session 1	Chair: Roberta Montanari
09:00 - 09:20	28 Sara García Viñuales <i>Silybins inhibit IAPP amyloid growth and membrane damage: implications in Type II Diabetes Mellitus</i>
09:20 - 09:40	29 Davide Capelli <i>Surface Plasmon Resonance as a tool for ligand binding investigation of engineered GPR17 receptor, a G protein coupled receptor involved in myelination</i>
09:40 - 10:00	30 Guido Righini <i>ICT solution for Scientific Communication and Learning</i>
10:00 - 10:20	31 Marianna Flora Tomasello <i>Effects of Semax in differentiated SH-SY5Y cells: investigations towards new therapeutic solutions</i>
10:20 - 10:40	Coffee Break
Session 2	Chair: Michele Saviano
10:40 - 11:00	32 Maria Laura Giuffrida <i>In vitro and in vivo approaches to the study of Alzheimer's disease</i>
11:00 - 11:20	33 Stefania Zimbone <i>New insight into the physiological activities of Amyloid Beta monomers</i>
11:20 - 11:40	34 Alberto Cassetta <i>CNR Hard X-ray diffraction activities at Elettra 2.0</i>
11:40 - 12:00	Awards, concluding remarks
12:00 - 13:00	Brunch
13:00 - 14:00	Tour of the CNR-IC laboratories