

I° Conference on Crystallography, Structural Chemistry and Biosystems

Monday 04 October 2021

Session: 1 (15:30-16:30)

-Conveners: Michele Saviano

time	[id] title	presenter
15:30	[2] Supra and Sub Molecular Investigation of Pathologic Tissues by X-Ray Scanning Microscopy	Dr GIANNINI, Cinzia
15:45	[3] Structure-based prediction of hERG-related cardiotoxicity: a benchmark study	Dr MANGIATORDI, Giuseppe Felice
16:00	[4] Structural Insights into the Intracellular Region of the Human Magnesium Transport Mediator CNNM4	Dr SILIQI, Dritan
16:15	[5] Synthesis of Porphyrin-Peptide conjugates and interaction with A β 42: potential use of the systems as theranostic agents in Alzheimer's disease	Dr TOSTO, Rita

Session: 2 (17:00-18:15)

-Conveners: Francesco Capitelli

time	[id] title	presenter
17:00	[6] PNAs: a versatile synthetic tool in miRNAs targeting	Dr MOCCIA, Maria
17:15	[7] Visible light activeTiO ₂ /Au nanorods for photocatalytic environmental remediation	Dr PETRONELLA, Francesca
17:30	[8] A survey of different approaches using ESI Mass Spectrometry for the characterization of metal binding sites in amyloid peptide fragments.	Dr DI NATALE, Giuseppe
17:45	[9] The Interdepartmental S&T Foresight Project	Dr BARTOLUCCI, Cecilia
18:00	[10] A year in Antarctica	Mr CATRICALÀ, Massimiliano

Tuesday 05 October 2021

Session: 1 (09:00-10:30)

-Conveners: Dritan Siliqi

time	[id] title	presenter
09:00	[11] Advanced X-ray Characterization of Hierarchical Systems: from Biotissues to Electronic Devices	Dr ALTAMURA, Davide
09:15	[12] Structural Basis for Inhibition of Copper Trafficking by Platinum Anticancer Drugs	Dr CALIANDRO, Rocco
09:30	[13] Design and fabrication of biosensors for environmental and food safety monitoring.	Dr REA, Giuseppina
09:45	[59] Multiple scale characterisation of ultrasmall nanocrystals by X-ray Total Scattering	Dr GUAGLIARDI, Antonella
10:00	[67] The XRD1 Synchrotron hard X-ray light source beamline as a tool for chemistry and science and technology of materials.	Dr BARBA, Luisa
10:15	[63] Functional disorder in complex materials	Dr CAMPI, Gaetano

Session: 2 (11:00-12:40)

-Conveners: Danilo Milardi

time	[id] title	presenter
11:00	[15] Disclosing the Major Structural Determinants Essential for Proneurotrophins Biological Functions	Dr COVACEUSZACH, Sonia
11:15	[16] Solving polycrystalline structures: from data collection to the development of innovative crystallographic methods	Dr RIZZI, Rosanna
11:30	[17] The role of stereochemistry in the inhibition of A β Amyloid growth and toxicity by silybins.	Dr SCIACCA, Michele F.M.
11:45	[18] Structural investigation of calcium phosphates	Dr CAPITELLI, Francesco
12:00	[19] Natural polysaccharides from microalgae for the protection of cultural heritage	Dr ANTONACCI, Amina
12:15	[68] GHK-Hyaluronic acid conjugates affect the wound closure in the presence of copper ions	Dr NALETOVA, Irina

Session: 3 (15:00-16:15)

-Conveners: Rocco Caliandro

time	[id] title	presenter
15:00	[20] Rescuing proteostasis by small molecules	Dr MILARDI, Danilo
15:15	[21] Cross talk between Amyloid β peptides and Ubiquitin: new perspective in Alzheimer's disease	Dr LANZA, Valeria
15:30	[22] Software for the Characterization of Polycrystalline Compounds	Dr CORRIERO, Nicola
15:45	[23] Competitive effectors of alpha-synuclein	Dr BELLIA, Francesco
16:00	[69] Antimicrobial peptides (AMPs): Analysis, synthetic design and biological analysis.	Dr CAPORALE, Andrea

Session: 4 (17:00-18:40)**-Conveners: Sonia Covaceuszach**

time	[id] title	presenter
17:00	[24] Free radicals induced DNA damage: Chemical, Analytical, Biological, and Diagnostic Aspects	Dr MASI, Annalisa
17:15	[25] Carnosine and trehalose-carnosine tune the activity and expression of endogenous protection factors and their crosstalk with metal homeostasis	Dr ATTANASIO, Francesco
17:30	[26] Insights into the PPAR γ phosphorylation and its inhibition mechanism	Dr MONTANARI, Roberta
17:45	[27] Peptide therapeutics: β -sheet breaker conjugates for neuroprotection and amyloid detection.	Dr PAPPALARDO, Giuseppe
18:00	[28] Reverse engineering and 3D additive manufacturing from research to the clinical assistance	Dr CLEMENTE, Fabrizio
18:15	[70] Privacy @CNR: panoramica generale su argomento, organizzazione e adempimenti	Dr CHIARELLA, Caterina

Wednesday 06 October 2021

Session: 1 (09:00-10:20)

-Conveners: Roberta Montanari

time	[id] title	presenter
09:00	[71] Toward Personalized Medicine: RGD-Peptide as Scaffold for the Comprehension of Structural Determinants for Integrin Specific Recognition	Dr SAVIANO, Michele
09:15	[60] Protein Crystallization in Hydrated Deep Eutectic Solvents	Dr BELVISO, Benny Danilo
09:30	[30] Surface Plasmon Resonance, a powerful tool for ligand binding investigation	Dr CAPELLI, Davide
09:45	[31] ICT solution for Scientific Communication and Learning	Dr RIGHINI, Guido
10:00	[32] The synthetic heptapeptide Semax, a fragment of the ACTH hormone, sustains differentiated neuroblastoma, by improving the cellular bioenergetic: investigations toward New Therapeutic Solutions	Dr TOMASELLO, Marianna Flora

Session: 2 (11:00-13:00)

-Conveners: Cinzia Giannini

time	[id] title	presenter
11:00	[33] In vitro and in vivo approaches to the study of Alzheimer's disease	Dr GIUFFRIDA, Maria Laura
11:15	[34] New insight into the physiological activities of Amyloid Beta monomers	Dr ZIMBONE, Stefania
11:30	[35] CNR Hard X-ray diffraction activities at Elettra 2.0	Dr CASSETTA, Alberto
11:45	[61] Algae-Based Biosensors	Dr SCOGNAMIGLIO, Viviana
12:00	[50] Cockayne syndrome: a DNA repair defective syndrome with neurodegenerative features	Dr PASCUCCI, Barbara
12:15	[62] 3D electron and X-ray powder diffraction multi-technique approach for structural investigation of new challenging lead chalcogenide nanocrystals	Dr MOLITERNI, Anna
12:30	[72] Kinetic analysis for the new enzymology	Dr PESARESI, Alessandro
12:45	[73] IC-CNR activities in Cultural Heritage	Dr TARQUINI, Ombretta