

Tuesday, 18 February, 2025, 9:15 am - 5:00 pm, Sironi room (U4-08)



PROGRAM

9.15 – Opening and institutional greetings

Session I - Chairs: Giulia Tomaino and Giulia Stucchi

9.30 - **Cestariolo Ludovica**, *An In Silico Study Unveiling the Biophysical Mechanisms of Cardiac Myocyte Membrane Potential Modulation by a Membrane-Targeted Photoswitch.*

9.45 - **Colombo Beatrice**, *Deciphering Urban Adaptation: Multi-omics insights from Italian pollinators.*

10.00 - **Ferri Sara**, *Phenotypic characterization of the tumor microenvironment in patients with colitis-associated cancer using multiplexing immunofluorescence.*

10.15 - **Grandi Laura Clara**, *The orexins modulate dopaminergic neurons. Implication for narcolepsy with cataplexy (?!)*

10.30 / 11.15 - **Coffee Break and POSTER / GRAPHICAL ABSTRACT Session**

Session II - Chairs: Alice Armanni and Hind Moukham

11.15 - **Lapi Francesco**, *Multi-omics data analysis to characterize metabolic shifts during embryo development.*

11.30 - **Maniezzi Claudia**, *Functional effects of Empagliflozin in the arrhythmogenic cardiomyopathy caused by a mutation in plakophilin-2.*

11.45 - **Misitano Francesca**, *Modulation of Ca²⁺ handling by combinatorial administration of Istaroxime and Levosimendan in mouse ventricular cardiomyocytes.*

12.00 - **Molteni Linda**, *Exploiting the combination of NMR spectroscopy and mass spectrometry for the metabolic profiling of solid matrices.*

12.15 - **Persico Francesca**, *Machine learning model for the prediction of redox potential of Iron-Sulfur clusters.*

12.30 / 13.30 – **Lunch break and POSTER / GRAPHICAL ABSTRACT Session**

13.30 / 14.30 – **POSTER / GRAPHICAL ABSTRACT Session**

Session III - Chairs: Maria Rita Chelazzi and Tommaso Sassi

14.30 - **Pinco Paola**, *BiomeHEAT: A Microbiome-Modulating therapy to reactivate Cytotoxicity in ICI not-responding CRC patients.*

14.45 - **Romerio Alessio**, *Developing New Toll-Like Receptor 4 (TLR4) Modulators As Innovative And Inexpensive Vaccine Adjuvants.*

15.00 - **Shaik Mohammed Monsoor**, *Characterization and Biological Insights into PET Micro- and Nanoplastics Prepared via Hydrolysis and Glycolysis.*

15.15 - **Senatore Vittorio**, *"Ethylene glycol metabolism in the oleaginous yeast Rhodotorula toruloides".*

15.30 - **INVITED SPEAKER: Ivano Legnini**, Research Group Leader at Human Technopole. *"Spatiotemporal regulation of gene expression: from description to perturbation and back".*

16.30 - Award Ceremony

17.00 – Aperitif

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