



14° PhD Workshop

14-15 September 2020, Via Teams

Organizers: V Scarlato, D Roncarati

Monday, September 14, 2020

Chair: [Viola Viviani / Stefano Miglietta](#)

- 09:20 **Giacomo Vezzani** (34, Scarlato / Frigimelica / Merola): Use of B-cell platform to characterize antigens of interest in virus and Gram-negative bacteria
- 09:40 **Viola Viviani** (33, Scarlato / Bartolini): Dissection of the protective response elicited by Detergent-extracted Outer Membrane Vesicles in the 4CMenB vaccine
- 10:00 **Luigia Cappelli** (35, Maione / Cozzi / Scarlato): Exploring different self-assembling nanoparticles in displaying structurally defined epitopes
- 10:20 **Annapaola Petrosino** (35, Danielli): Phage-tron: developing a phage-based microprocessor

10:40 - 11:10 break

Chair: [Houda Abla / Simona Paglia](#)

- 11:10 **Jacopo Rossi** (34, Trost / Zaffagnini): Redox homeostasis and proteins modification in plants: the central role of glutathione
- 11:30 **Serena Jasmine Aleo** (34, Ghelli / Rugolo): Analysis of mitochondria involvement in Fabry Disease
- 11:50 **Stefano Miglietta** (33, Porcelli / Ghelli): Unravelling the role of mitochondrial chaperone MCJ during the metabolic adaptation and chemoresistance in ovarian cancer
- 12:10 **Ana Catarina da Silva Almeida** (33, Porcelli): Development of cancer cell models to test metabolic intervention as an anticancer strategy
- 12:20 **Houda Abla** (33, Porcelli / Iommarini): α KGlogues-induced pseudonormoxia to prevent metabolic adaptation in tumorigenesis

13:00 - 14:30 Lunch break

Chair: [Giulia Gobbi / Eleonora Poeta](#)

- 14:30 **Ylenia Beniamino** (34, Zambelli): Structure, function and interactions of NdrG1, a protein involved in nickel-dependent carcinogenesis
- 14:50 **Andrea Arleo** (34, Capranico / Marinello): Cell-type specific effects of Topoisomerase I poisons on immune gene activation in cancer cells
- 15:10 **Simona Paglia** (33, Pession): Genetic and molecular analysis of the contribution of cell polarity disruption to brain cancer
- 15:30 **Giulia Gobbi** (33, Ciarrocchi / Ambrosetti / Sancisi): Dissecting functional and molecular crosstalk between TAZ and its associated lncRNAs in lung cancer progression

15:50 - 16:20 break

Chair: [Roberto Ciaccio / Giulia Gobbi](#)

- 16:20 **Eugenia Lorenzini** (34, Ciarrocchi / Ambrosetti): TRIM28 contribution to Malignant Pleural Mesothelioma
- 16:40 **Eleonora Poeta** (33, Monti): Altered epigenetic regulation affects brain cells proliferation and differentiation in in vitro models of the rare genetic demyelinating disease AGC1-deficiency
- 17:00 **Marta Viggiano** (34, Maestrini): An increased burden of rare exonic variants in NRXN1 microdeletion carriers is likely to enhance the penetrance for autism spectrum disorder
- 17:20 **Piergiuseppe De Rosa** (35, Perini): Characterization of a corepressor complex involved in MYCN-driven neuroblastoma tumorigenesis

Tuesday, September 15, 2020

Chair: [Giacomo Vezzani / Annamaria Zannoni](#)

- 9:20 **Francesca De Chirico** (35, Monti): Understanding the role of microglial exosomes in neuroinflammation spreading: an in vitro study
- 9:40 **Ottavia Tartagni** (34, Zuccheri): Drug cytotoxicity analysis of uniform 3D tumor spheroids, measurement of morphology and viability
- 10:00 **Roberto Ciaccio** (33, Perini): MYCN-E2F3 axis: new insights on neuroblastoma biology through protein interactome profiling
- 10:20 **Renée Concetta Duardo** (34, Capranico): Genetic and molecular mechanisms of genomic instability induced by DNA Topoisomerase 1 poisons leading to innate immune response

10:40 - 11:10 break

Chair: [Paolo Emidio Costantini / Ana Catarina da Silva Almeida](#)

- 11:10 **Annamaria Zannoni** (33, Scarlato / Roncarati): HP1043 mediated transcriptional regulation in *Helicobacter pylori*
- 11:30 **Paolo Emidio Costantini** (33, Cappelletti / Vitali / Fedi): Pathogen-derived extracellular vesicles inhibit HIV-1 infections
- 11:50 **Federico D'Agostino** (35, Scarlato / Roncarati): Identification of *Helicobacter pylori* *cncR1* targetome through MAPS technology
- 12:10 **Benedetta Manca** (34, Scarlato / Giuliani): Functional characterization of the gonococcal polyphosphate pseudo-capsule

12:30 Closing Remarks