



13° PhD Workshop

23-24 July 2019, Polo Didattico Aula Magna Navile, Via della Beverara 123/1, Bologna

Organizers: V Scarlato, D Roncarati

Tuesday, July 23, 2019

Chair: [Anna Galea / Paolo Costantini](#)

- 14:00 **Giacomo Vezzani** (34, Scarlato / Frigimelica / Merola): Selection and characterization of human monoclonal antibodies to HCMV isolated from convalescent and/or chronically-infected subjects to guide vaccine antigen design
- 14:20 **Viola Viviani** (33, Scarlato / Bartolini): Dissection of the meningococcal protective immunosignature elicited by 4CMenB vaccination
- 14:40 **Benedetta Manca** (34, Scarlato / Giuliani): Genetic and proteomic investigation of the role of the Surface Lipoprotein Assembly Modulator (SLAM) proteins in translocation of immunogenic surface lipoproteins in *N. gonorrhoeae*

Chair: [Renée Concetta Duardo / Houda Abla](#)

- 15:00 **Stefano Miglietta** (33, Porcelli): MCJ/DNAJC15: role in mitochondrial metabolism of chemoresistant ovarian cancer cells
- 15:20 **Serena Jasmine Aleo** (34, Rugolo / Ghelli): Mitochondrial function in the α -galactosidase A knock out mice model of Fabry Disease
- 15:40 **Simona Paglia** (33, Grifoni / Pession): Genetic and molecular analysis of the contribution of cell polarity disruption to brain cancer

16:00 - 16:30 break

Chair: [Daniele Ghezzi / Annamaria Zannoni](#)

- 16:30 **Ylenia Beniamino** (34, Zambelli / Ciurli): Nickel and human health: structural and biophysical characterization of NDRG1, a protein involved in nickel-dependent carcinogenesis
- 16:50 **Anna Galea** (32, Norais / Scarlato): Development of new analytical tools for characterization of bio-conjugate vaccines in *E. coli*
- 17:10 **Jacopo Rossi** (34, Trost): Structural comparison and biochemical analysis of alcohol dehydrogenases from *Arabidopsis thaliana*

Wednesday, July 24, 2019

Chair: [Marta Palombo / Giulia Gobbi](#)

- 9:20 **Marco Russo** (32, Capranico / Marinello): A multi-omics analysis of G-quadruplex as a novel target to modulate innate immune response in cancer cells
- 9:40 **Ottavia Tartagni** (34, Zuccheri): Reproducible growth of 3d cell spheroids for drug testing
- 10:00 **Andrea Miti** (32, Zuccheri): Development of DNA based biosensors employing DNA self-assembly for microRNA detection

Chair: [Andrea Miti / Simona Paglia](#)

- 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 **Sonia Nicchi** (34, Scarlato / Maione): Unravelling the mechanisms exploited by *Moraxella catarrhalis* to tackle the host antimicrobial defense
- 11:00 **Paolo Emidio Costantini** (33, Zannoni / Cappelletti / Fedi): Phenotypic characterization and antipathogenic activities of *Lactobacillus* strains

11:20 - 11:50 break

Chair: [Sonia Nicchi / Giacomo Vezzani](#)

- 11:50 **Daniele Ghezzi** (32, Zannoni / Cappelletti): Unexplored caves for the discovery of novel microbial taxa and bioactive molecules
- 12:10 **Marta Palombo** (32, Ciurli / Scarlato): Molecular characterization of the heat-shock regulatory circuit in *Campylobacter jejuni*
- 12:30 **Annamaria Zannoni** (33, Scarlato / Roncarati): HP1043, the *Helicobacter pylori* essential transcriptional regulator

12:50 - 14:30 Lunch break

Chair: [Marco Russo / Stefano Miglietta](#)

- 14:30 **Roberto Ciaccio** (33, Perini): The novel long non-coding RNA lncNB1 interacts with Ribosomal protein L35 to promote E2F-1 protein synthesis and N-Myc protein stabilization in high-risk neuroblastoma
- 14:50 **Houda Abba** (33, Porcelli): Investigating α KG derivatives in preventing metabolic adaptation in tumorigenesis
- 15:10 **Sara Monticelli** (32, Maestrini): The power of the model system *Drosophila melanogaster*: from Neuroblastoma tumor to Autism Spectrum Disorder

15:30 - 16:00 break

Chair: [Sara Monticelli / Roberto Ciaccio](#)

- 16:00 **Giulia Gobbi** (33, Ciarrocchi / Ambrosetti): Dissecting susceptibility to BET inhibitors in lung cancer
- 16:20 **Eugenia Lorenzini** (34, Ciarrocchi / Ambrosetti): Identification of key genes in the development and progression of malignant pleural mesothelioma
- 16:40 **Simona Salimbeni** (32, Capranico): TDP1 deficiency and genomic instability in non replicating cells
- 17:00 **Closing Remarks**