



10th PhD Workshop

6-7 October 2016, Polo Didattico Aule Navile, Via della Beverara 123/1, Bologna

Organizers: V Scarlato, D Roncarati

Thursday, October 6, 2016; Aula A

Chair: Mazzei/Gasperini

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| 14:00 | Luca Mazzei (29, Ciurli): Old and new urease inhibitors: in search of a key to enzymatic control | 15:00 | Luigi Capriotti (30, Scarlato/ Norais): Applying Mass Spectrometry to understand glycoconjugate-MHCII interactions |
| 14:20 | Gianmarco Gasperini (29, Scarlato/ Aricò): OMV-based and proteomic-driven antigen selection identifies BrkA as a novel factor able to prevent <i>B. pertussis</i> adhesion to epithelial cells | 15:20 | Tarcisio Brignoli (31, Delany/Scarlato): A high throughput qRT-PCR method to study transcription of virulence factors in <i>Staphylococcus aureus</i> |
| 14:40 | Filippo Moramarco (31, Scarlato/Balducci): Molecular characterization of a toxin-like protein of <i>Bordetella pertussis</i> | | |

15:40 – 16:00 break

Chair: Borghi/Pellicciari

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| 16:00 | Sara Borghi (29, Delany/Scarlato): Regulation of Neisserial Heparin binding antigen (NHBA) during meningococcal colonization and invasion | 17:00 | Beatrice Ricchetti (30, Scarlato/ Delany): Investigation of lipoproteins translocation system in <i>N. meningitidis</i> |
| 16:20 | Simona Pepe (31, Scarlato/Roncarati): Heat shock response in <i>Helicobacter pylori</i> : unravelling the role of the heat-shock repressor HspR | 17:20 | Federica Sandri (30, Zannoni): <i>Pseudomonas pseudoalcaligenes</i> KF707: role of terminal oxidases in the growth on different carbon sources |
| 16:40 | Simone Pellicciari (30, Scarlato): Identification of HsrA (HP1043) regulon through ChIP-seq analysis reveals its role in controlling crucial cellular functions of <i>Helicobacter pylori</i> | 17:40 | Stefany Loibman (31, Scarlato/Roncarati): Functional analysis of heat shock regulator HrcA in <i>Helicobacter pylori</i> |

Friday, October 7, 2016; Aula Magna

Chair: Ignesti/Ferrucci

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| 9:00 | Marilena Ignesti (28, Gargiulo): Analysis of intracellular and extracellular Awd distribution in <i>Drosophila</i> | 10:00 | Paolo Pigni (31, Perini): The Ornithine Decarboxylase G317A polymorphism differentially affects gene expression and is potentially prognostic of outcome in Neuroblastoma |
| 9:20 | Manuela Sollazzo (30, Pession): Social cell biology in cancer: cell-cell communication in malignant evolution | 10:20 | Miriam Pasquini (29, Francia/ Zaffagnini): Structural and functional features of chloroplastic transketolase from <i>Chlamydomonas reinhardtii</i> |
| 9:40 | Francesca Ferrucci (29, Perini): Modulation of MYCN/MAX/MAD network | | |

10:40 – 11:00 break

Chair: Petrovic/Vatrinet

- 11:00 **Biljana Petrovic** (29, Campadelli/Gatta): Oncolytic Herpes Viruses retargeted to cancer-specific receptors
- 11:20 **Raffaele Massaro** (29, Campadelli): Interaction of glycoprotein H/L from human and swine α -herpesviruses with integrins of the αV family
- 11:40 **Mario Fogazza** (30, Rugolo): Generation and biochemical characterization of innovative cellular models for Dominant Optic Atrophy

- 12:00 **Vatrinet Renaud** (29, Porcelli): Targeting respiratory Complex I: a metabolic strategy to prevent cancer progression.
- 12:20 **Giulia Leone** (31, Porcelli): Induction of pseudonormoxia as adjuvant therapeutic strategy for cancer

12:40 – 14:00 lunch break

Chair: Massenzio/Formaggio

- 14:00 **Saskia Katharina Karges** (29, Monti/ Caprini/ Benfenati): Impact of an OFET organic interface on the physiology of astroglial cells *in vitro*.
- 14:20 **Francesco Formaggio** (29, Monti/ Caprini/ Benfenati): A Swell channel indeed: expression of Leucine-rich repeat containing 8 member A (LRRC8A) in the adult mouse brain.
- 14:40 **Ana Isabel Borrachero Conejo** (31, Monti/ Caprini/ Benfenati): Stimulation and recording of astroglial cells by the use of organic bioelectronic devices

- 15:00 **Francesca Massenzio** (29, Monti): Reduction of DNA/ RNA binding protein (TDP-43) toxicity in primary motor neurons mediated by Glycogen Synthase Kinase (GSK)-3 inhibition.
- 15:20 **Sabrina Petralla** (30, Monti): *In vivo* studies of oligodendrocyte precursor proliferation in the rare demyelinating disease AGC1 deficiency

15:40 – 16:00 break

Chair: Gugnoni/De Magis

- 16:00 **Alessio De Magis** (30, Capranico): Stabilization of R-loop and G-quadruplex structures in cancer cells treated with G-Quadruplex binders
- 16:20 **Cinzia Cameli** (30, Maestrini): A genome-wide association study of common SNPs and rare protein altering variants influencing risk for cluster headache

- 16:40 **Libero Gurrieri** (31, Sparla/Trost): Exploring the connection between carbon metabolism and drought stress response in *A. thaliana*
- 17:00 **Mila Gugnoni** (30, Ambrosetti/ Ciarrocchi): Cadherin 6 promotes EMT and cancer metastasis by restraining autophagy