



PhD Day 2020

PhD in Life Sciences Department of Life Sciences

Polo Didattico S. Miniato

Class Room: Aula Magna

**25 September
2020**

Programme

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8.45	Welcome Reception
09.00	Opening Ceremonies Greetings from Prof Pietro Lupetti Rector's Delegate for PhD programs
Chairs	Claudio Cucini, Lorenza Vantaggiato
9.20-9.40	Investigation of the protective mechanism of Neisserial Heparin Binding Antigen (NHBA) induced antibodies
	Silvia Principato
9.40-10.00	Victoria's Secret: unfolding the mystery behind the distribution of Antarctic <i>Stereopydeus</i> species.
	Claudia Brunetti
Chairs	Martina Grattacaso, Daniele Calabrese
10.00-10.20	Environmental justice? Ask the lichens!
	Tania Contardo
10.20-10.40	UV-B radiation differently affects photosynthesis-related processes of two distinct Italian varieties of olive tree (<i>Olea europaea L.</i>)
	Chiara Piccini
10.40-11.00	Coffe break
Chairs	Tommaso Montechi, Diego Moriconi
11.00-11.20	Ultrastructural and immunolocalization studies on the interactions occurring between IntraFlagellar Transport components and the ciliary tip structures during IFT trains turnaround in <i>Chlamydomonas</i> flagella
	Ambra Pratelli
11.20-11.40	Effect of Bisphenol A (BPA) and para-nonylphenol (pNP) on endometrial stromal cell decidualization and its interaction with trophoblast
	Camilla Manzan Martins
Chairs	Costanza Ceni, Agata Di Noi
11.40-12.00	Autochthonous Tuscan olive leaves (<i>Olea europaea var. Olivastra seggianese</i>) as antioxidant, antimicrobial and immunomodulatory sources for biomedicine and tissue engineering application
	Jose Gustavo De La Ossa Guerra
12.00–13.00	Poster presentation and discussion
13.00-14.00	Lunch
14.00-14.30	Poster presentation and discussion

Chairs	Fabrizia Zevolini, Ilaria Razzano
14.40-15.00	Airways and pulmonary vascular remodelling in murine models of COPD: role of purinergic receptors and profibrotic cytokines Emilia Balzano
15.00-15.20	Astrocytes as modulators of local CNS microenvironment in multiple sclerosis: a functional proteomic analysis of Rai +/+ versus Rai -/- astrocytes and released extracellular vesicles Enxhi Shaba
Chairs	Carolina Bonifazi, Tondi Serena, Yauba Saidu
15.20-15.40	Unravelling the response of chronic lymphocytic leukemia to a novel class of anti-cancer agents, the pyrrolonaphthoxazepines (PNOXs) Francesca Vanni
15.40-16.00	Emerging pandemic viruses: immunological evaluation of influenza strain A/Vietnam/1194/2004 (H5N1) and novel SARS -CoV-2 Livia Mazzini
16.00-16.20	Correlates of protection and host - related modifiers of the immunogenicity of influenza vaccines: evidence maps and evidence gaps Alexander Domnich

Poster Section

Amer Ahmed

Perivascular adipose tissues (PVAT) modulates flavonoid vasoactivity in *in vitro* rat aorta rings

Annalisa Altera

Faecal microbial transplant from aged donor mice triggers an age -like response in hippocampal cells of adult recipient mice

Debora Fragni

Multiple readouts to assess antifibrotic efficacy of Nintedanib in a bleomycin-induced pulmonary fibrosis mouse model

Elda Chiaino

Neurotoxicity elicited by environmental compounds on mitochondria in human neuroblastoma cells SH-SY5Y: role of cytochrome P450

Elisa Casa

Evaluation of SARS -CoV-2 neutralizing antibodies using of a CPE-based Colorimetric live virus micro-neutralization assay in human serum samples

**Jasmine Esposito
Salsano**

Nutraceutical properties of extra-virgin olive oils and leaves extracts from autochthonous Tuscan olive trees

Letizia Poggioni

Morphological, molecular and nutraceutical characterization of *Lycium barbarum* L. plants cultivated in Maremma.

Maria Michela Cesare

Antioxidant effect of Tomato extracts obtained from different culture condition on Human Umbilical Vein Endothelial Cells

Paola Petrone

Recognition and features identification of human erythrocytes in SEM micrographs by means of a semi-automatic morphometric analysis system

Sofia Passaponti

The role of the placenta on the RANK/RANKL/OPG axis

Veronica Conti

A wide range study on drought stress in two growth phases of nine local Tuscan tomato varieties (*Solanum lycopersicum* L)