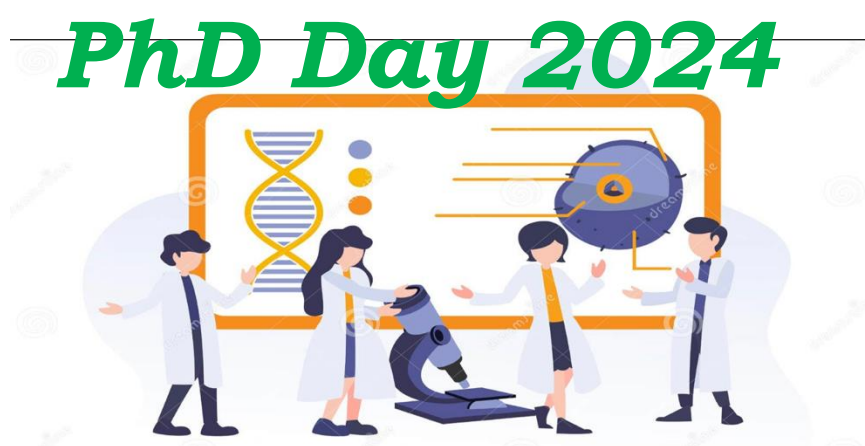


PhD Day of the 39th Cycle of the PhD in
Biochemical and Biotechnological Sciences



18th September 2024
Bottazzi room

Programme

After each 10-minute presentation, 5 minutes are reserved for discussion with the audience

9:30 Welcome greetings

9:45 **Carlo Oliviero**- Characterization of Aqueous extract of *Triticum vulgare* (TVE), in wound healing in vitro models

10:00 **Bhawna Bana**- Valproic Acid (VPA) as potential novel approach in the treatment of Chondrosarcoma

10:15 **Laura Di Clemente**- Sandfly Fever Naples Virus and Ilheus Virus trigger the unfolded protein response pathway during human cell infection

10:30 **Marina Acunzo**- The role of Outer Membrane Vesicles from *Burkholderia cepacia* in Cystic Fibrosis pathogenesis

10:45 **Giovanna Ponticelli**- *Generation and characterization of lung organoids from human pluripotent stem cells for the modeling of fibrosis*

11:00 **Isabella Donisi**- *Epigenetics and Environmental Factors in the Pathogenesis of Chronic Diseases*

11:15 **Shana Perrella**- *Genistein prevents apoptosis and oxidative stress induced by methylglyoxal in endothelial cells*

11:30 **Giuseppina Palmiero**- *Investigating the regulation of PD-L1 expression in non small cell lung cancer (NSCLC)*

11:45 **Daniela Parente**- *p27Kip1 roles on microtubule-based cytoskeleton*

12:00 **Viviana Tutino**- *Non-Genomic Action of Androgen Receptor in Colorectal Cancer*

12:15 **Teresa Improda**- *Promoting Re-Epithelialization and Enhancing Chemotherapy Efficacy through Genetic Inhibition of Glucocorticoid Receptor for Ovarian Cancer Therapy Success*

12:30 **Marianna Ciotola**- *Exploring the Origins and Significance of Cell Fusion in Pancreatic Cancer*

12:45 **Fausto Fiori**- *Quantitative and qualitative analysis of ultrasound images of the oral mucosa through texture analysis and deep learning*

13:00 **Pierluigi Mariani**- *Characterization of the oral cancer microenvironment using a neighbor-labelling system and single-cell RNA seq*

13:15-14:30 Break

14:30 **Clara Iannarone**- Analysis of epigenetic modifications in circulating tumor DNA (ctDNA) in patients with urothelial carcinoma

14:45 **Myriam Karam**- Identification of a molecular signature of non-coding RNAs for early diagnosis and treatment of head and neck squamous cell carcinomas

15:00 **Fábio França Vieira e Silva**- Pyrosequencing MGMT and MLH1 Methylation Analysis in Glioblastoma and Endometrial Adenocarcinoma: Insights into Clinicopathological Correlations and Prognostic Implications

15:15 **Roberta Cominale**- Development of Nanoparticles Encapsulating miRNA-603 and miRNA-221 to Overcome Chemoresistance in Glioblastoma

15:30 **Aleksei Pashchenko**- Optical and Electrical Bionanosensors for Detecting Standard and Low-Concentration Biomarkers

15:45 **Preetu Parimal**- Green-Synthesized Silver Nanoparticles From Arctostaphylos Uva-Ursi Leaf Extract As Innovative Antimicrobial Strategy

16:00 Concluding remarks, awards and greetings