

***Kick-off meeting*** of the 40<sup>th</sup> Cycle of  
the PhD in Biochemical and  
Biotechnological Sciences

***Kick-off meeting***



***19<sup>th</sup> December 2024***

***Pediatrics room***

***Via L. De Crecchio, Naples***

## **Programme**

After each 8-minute presentation, 2 minutes are reserved for discussion with the audience

### **10:00 Welcome greetings**

**10:10 Maria Giovanna Ferraioli** - *Oxidative-Reductive biomarkers in saliva during treatment with conventional brackets and clear aligners, and Dentin Hypersensitivity after IPR*

**10:20 Carla Capasso** - *Development of innovative antimicrobial system*

**10:30 Alessia Febbrariello** - *Dissection of the role of differentially expressed microRNAs in head and neck cancers, their impact on cell proliferation genes and analysis of their therapeutic potential*

**10:40 Maria Roberta De Iesu** - *Analysis of gene alterations in tumours by single-cell sequencing techniques*

**10:50 Carmine Lauretta** - *The role of androgens in melanoma aggressiveness*

**11:00 Gennaro Apicella** - *Targeting cancer stem cell metabolism by exploiting ncRNAs to improve drug therapy outcomes in non-small cell lung cancer (NSCLC)*

**11:10 Nicolò Tarantino** - *Liquid Biopsy and Radiomics in the Identification of Novel Prognostic and Diagnostic Biomarkers in Non-Small Cell Lung Cancer*

**11:20 Sofia Piscitelli** - *Identification of new molecular targets putatively involved in platinum resistance by proteomic approach and high throughput screening*

**11:30 Muhammad Waqas** - *CBX3 as a prognostic biomarker in lung cancer*

**11:40 Luca Riccio** - *Neurovascular unit and synaptic plasticity in peripheral nerve injury*

**11:50 Mariano Bernardo** - *Improving the etiological diagnosis of infective endocarditis*

**12:00 Rosalba Ricciardi** - *Identification of transcription factors and their deregulated molecular targets in Head and Neck cancer using an epigenetic approach*

**12:10 Antonella Migliaccio** - *Sperm epigenetic quality in obese men*

**12:20 Tommaso Marrazzo** - *Role of Warfarin in patients with cardiac valves*

**12:30 Abebe Worku** - *Purification and characterization of novel bacteriocins from Lactic Acid Bacteria and their application in medical devices and food industry*

**12:40 Christian Di Maro** - *Building vascular Networks and Blood-Brain Barriers Using Biomimetic Silk-fibroin scaffolds for Human Tissue*

**12:50 Shahab Bashir** - *Development of Antimicrobial Peptide-Functionalized Biogenic Nanoparticles for Targeting ESKAPE Pathogens in Biofilm-Associated Infections*

**13:00 Zaroon Zaroon** - *Development of a novel cancer cell specific antibody based fusion protein for inducing apoptosis in cancer cells.*

**13:10 Vincenza Caridi** - *EV-mediated cross-talk between Condrosarcoma and Mesenchymal Stem Cells as a candidate Target for a novel antitumoral therapeutic strategy*

**13:20 Martina Marigliano** - *Mitochondrial transfer from adipose stem cells to breast cancer patient derived organoids*

**13:30 Concluding remarks**