



**UNIMORE**  
UNIVERSITÀ DEGLI STUDI DI  
MODENA E REGGIO EMILIA

Doctor of Philosophy (Ph.D.) Program in  
Clinical and Experimental Medicine



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## *PhD Degree – May 24, 2024*

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**Aula CS0.1 Medicine and Surgery Didactic Center – 71 Del Pozzo Street, Modena**

### **Members of the Committee**

- Prof. Aleksandra Buha Đorđević;
- Prof. Maria Ruzzene;
- Prof. Stefano Fumagalli;
- Prof. Giovanni Tosi (Joint Degree University of Angers);
- Prof. Frank Boury (Joint Degree University of Angers);
- Prof. Florence Dumas (Joint Degree University of Angers);
- Prof. Maria Angela Vandelli (Joint Degree University of Angers)

**PhD Coordinator:** Prof. Marco Vinceti

### **Morning Session (09.30-12.00)**

09.45 D'Alessandro Sara

Title: CROSS-INTERACTION BETWEEN PITUITARY GLYCOPROTEIN HORMONES AND THEIR RECEPTORS IN THYROID CELLS

Supervisor: Prof. Livio Casarini

10.00 Neri Giovanni

Title: ANTI-GD2 CAR T CELLS AGAINST SMALL CELL LUNG CANCER (SCLC)

Supervisor: Prof. Massimo Dominici – Co-Supervisor: Dott. Chiara Chiavelli

10.15 Di Vinci Pierluigi

Title: ROLE OF INOSITOL PATHWAY AND NANOPLASTICS IN PLACENTA. EFFECT ON PLACENTAL VILLOUS TISSUE AND TROPHOBLAST CELLS

Supervisor: Prof. Fabio Facchinetti

10.30 Garbarino Federico

Title: AUTOFLUORESCENCE AS A POTENTIAL DIAGNOSTIC TOOL FOR THE DETECTION OF SKIN TUMORS: FROM EX- VIVO TO IN VITRO EVALUATION

Supervisor: Prof. Cristina Magnoni – Co-Supervisor: Prof. Giovanni Pellacani

10.45 Giovanella Silvia

Title: PRECISION MEDICINE for CHRONIC KIDNEY DISEASE: DIAGNOSTIC YIELD and CLINICAL IMPACT of a NEPHROPATHY PANEL STUDY

Supervisor: Prof. Riccardo Magistroni – Co-Supervisor: Prof. Gianni Cappelli



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11.00 Vitolo Marco

Title: CLINICAL MANAGEMENT, COMORBIDITIES, AND ASSOCIATED ADVERSE OUTCOMES IN PATIENTS WITH ATRIAL FIBRILLATION: ANALYSES FROM A EUROPEAN COHORT STUDY ON MORE THAN 11.000 PATIENTS

Supervisor: Prof. Giuseppe Boriani – Co-Supervisor: Prof. Gregory Y.H. Lip

11.15 Grisanti Sara

Title: CLINICAL-INSTRUMENTAL PHENOTYPING AND BIOMARKERS ANALYSIS IN THE EVOLUTION OF PATIENTS AFFECTED BY PARKINSON'S DISEASE

Supervisor: Dr. Franco Valzania – Co-Supervisor: Prof. Giuseppe Biagini

11.30 Guaitoli Giorgia

Title: ALTERATIONS IN PIK3CA/PTEN AS RESISTANCE MECHANISMS TO FIRST-LINE NEXT-GENERATION EGFR/ALK TYROSINE KINASE INHIBITORS IN NON-SMALL CELL LUNG CANCER

Supervisor: Prof. Federico Piacentini

11.45 Lasagni Simone

Title: MOLECULAR FEATURES OF PRIMARY LIVER CANCERS: ASSOCIATION WITH TREATMENT OUTCOME AND RELATION WITH SEX

Supervisor: Prof. Erica Villa

12.00 Melli Beatrice

Title: GENETIC AND MOLECULAR ANALYSIS OF HEREDITARY CANCER SYNDROMES

Supervisor: Prof. Caterina Longo – Co-Supervisors: Dr. Daria Morini & Dr. Davide Nicoli

**Lunch (12.15-13.30)**

**Afternoon Session (13.30-16.00)**

13.30 Paolini Annamaria

Title: SARS-COV-2 SPECIFIC IMMUNE RESPONSE AFTER INFECTION AND VACCINATION

Supervisor: Prof. Andrea Cossarizza

13.45 Rinaldi Arianna

Title: NOVEL NANOTECHNOLOGICAL APPROACHES FOR GLIOBLASTOMA TARGETING

Supervisor: Prof. Giovanni Tosi – Co-Supervisor: Prof. Frank Boury & Prof. Florence Dumas



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14.00 Romanzi Adriana

Title: ANGIOPOIETIN-2 AND VASCULAR ENDOTHELIAL GROWTH FACTOR PROMOTE MIGRATION AND INVASION IN HEPATOCELLULAR CARCINOMA- AND INTRAHEPATIC CHOLANGIOCARCINOMA CARCINOMA-DERIVED SPHEROIDS

Supervisor: Prof. Erica Villa

14.15 Russo Fabiana

Title: DEVELOPMENT OF SYNTHETIC STRATEGIES AND ANALYTICAL METHODS BASED ON LIQUID CHROMATOGRAPHY COUPLED TO HIGH- RESOLUTION MASS SPECTROMETRY (HPLC-HRMS) FOR A CHEMICAL-PHARMACEUTICAL CHARACTERIZATION OF ACTIVE INGREDIENTS OF CANNABIS SATIVA L. EXTRACTS AND NEW PSYCHOTROPIC SUBSTANCES (NPS)

Supervisor: Prof. Giuseppe Cannazza

14.30 Starnoni Marta

Title: RARE AND CHALLENGING SOFT TISSUE LIMB DISEASES: FOCUS ON MANAGEMENT STRATEGIES, INNOVATIVE RECONSTRUCTIVE OPTIONS AND MICROSURGICAL SOLUTIONS

Supervisor: Prof. Giuseppe Biagini

14.45 Urbano Teresa

Title: ENVIRONMENTAL RISK FACTORS AND PREDICTORS OF PROGRESSION OF MILD COGNITIVE IMPAIRMENT TO DEMENTIA IN A NORTHERN ITALY POPULATION

Supervisor: Prof. Marco Vinceti

15.00 Vitale Emanuele

Title: DEEP CHARACTERIZATION OF THE RUNX2 TRANSCRIPTIONAL LANDSCAPE IN THYROID CANCER: MECHANISM OF ACTION AND BIOLOGICAL CONSEQUENCES.

Supervisor: Prof. Stefano Luminari – Co-supervisors: Dr. Alessia Ciarrocchi & Dr. Mila Gugnoni

15.15 Gol Mohammad

Title: EXPLORING THE POTENTIAL OF TRILOSTANE AS ANTIEPILEPTOGENIC AND DISEASE-MODIFYING AGENT ABLE TO MODULATE NEUROSTEROIDS' LEVELS IN THE HIPPOCAMPUS AND NEOCORTEX OF KAINIC ACID-TREATED RATS

Supervisor: Prof. Giuseppe Biagini

15.30 Lispi Monica

Title: GONADOTROPIN ACTION ON TARGET CELLS AND ITS PHARMACOLOGICAL IMPLICATIONS FOR MALE INFERTILITY TREATMENT: IS IT TIME FOR A PHARMA COMPANY TO EMBRACE THE CHALLENGE?

Supervisor: Prof. Manuela Simoni