



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA

**University of Padua**  
PhD Courses  
Medical and Biomedical Sciences

**PhD STUDENT RESEARCH PROJECT DAY  
MEDICAL AND BIOMEDICAL SCIENCES  
(XXXV Cycle)**

**Tuesday, September 7th, 2021**

**Old University  
Aula I. Nievo  
Palazzo del Bo**

Via 8 Febbraio, 2 - 35122 Padova

Organized by  
Prof.ssa Annalisa Angelini  
*Department of Cardiac Thoracic Vascular Sciences And Public Health*

In collaboration with:  
**Alessandra Cervellin**  
*Department of Cardiac Thoracic Vascular Sciences  
And Public Health*  
Tel 049/8272288 – Fax 049/8272294  
e-mail: [alessandra.cervellin@unipd.it](mailto:alessandra.cervellin@unipd.it)

**A.R.C.A.**  
**Associazione Ricerche Cardiopatie Aritmiche**  
Via A. Gabelli, 86  
35121 Padova  
sito web: <http://www.arca-cuore.it/>



## 8.45 **OPENING CEREMONY**

Prof. Leonard Jan Prins

*Coordinatore Consulta dei Coordinatori dei Corsi di Dottorato di Ricerca, Università degli Studi di Padova*

## 9.00 **AULA I. NIEVO**

Chairperson: Prof. Annalisa Angelini

A  
U  
L  
A  
  
N  
I  
E  
V  
O

### **BIostatistics and Clinical Epidemiology**

- **Teresa GASPARETTO** – Tutor: Prof. Dario GREGORI  
*"FROM HEALTH TECHNOLOGY ASSESSMENT TO VALUE BASED HEALTH CARE"*

### **CARDIOVASCULAR SCIENCES**

- **Riccardo BARIANI** – Tutor: Prof. Barbara BAUCE  
*"PHENOTYPE AND FOLLOW-UP ANALYSIS OF SUBJECTS AFFECTED BY LEFT DOMINANT ARRHYTHMOGENIC CARDIOMYOPATHY AND COMPARISON WITH CLASSICAL DISEASE VARIANTS"*
- **Davide GENOVESE** – Tutor: Prof. Martina PERAZZOLO MARRA  
*"LEFT ATRIAL EXPANSION INDEX FOR NONINVASIVE ESTIMATION OF PULMONARY CAPILLARY WEDGE PRESSURE: A CARDIAC CATHETERIZATION VALIDATION STUDY"*
- **Alessia GIARRAPUTO** – Tutor: Prof. Annalisa ANGELINI  
*"TRANSCRIPTOME PROFILE ANALYSIS IN HEART TRANSPLANTATION: CHARACTERIZATION AND VALIDATION OF GENE EXPRESSION SIGNATURES AS NOVEL MONITORING BIOMARKER COMPANION TOOL"*

A  
U  
L  
A  
  
N  
I  
E  
V  
O

- **Florinda Rosaria MASTRO** – Tutor: Prof. Gino GEROSA  
*"«The M.O.R.G.A.G.N.I. project» Mitral valve restore fOr degenerative mitRalreGurgitAtion: towards the Genoiusly therapeutic optioN in the «micro-Invasive» scenario"*
- **Giovanni RISATO** – Tutor: Prof. Cristina BASSO  
*"A NEW DESMOPLAKIN ZEBRAFISH MODEL FOR STUDYING ARRHYTHMOGENIC CARDIOMYOPATHY"*

### CLINICAL AND TRASLATIONAL NEUROSCIENCES

- **Luisa FRIZZIERO** – Tutor: Prof. Chiara BRIANI  
*"THE OCULAR EVALUATION IN THE DIAGNOSIS AND FOLLOW-UP OF SYSTEMIC DISEASES WITH NEURONAL INVOLVEMENT"*

### ENDOCRINE AND METABOLIC SCIENCES

- **Ludovica MIGLIOZZI** – Tutor: Prof. Gian Paolo FADINI  
*"NETosis as mediator of the metabolic effects induced by an HFD-modified microbiota"*

### THORACIC AND PULMONARY SCIENCES

- **Matteo BONATO** – Tutor: Prof. Simonetta BARALDO  
*"AIR POLLUTION RELATES TO AIRWAY PATHOLOGY IN WHEEZING CHILDREN"*
- **Elisabetta COCCONCELLI** – Tutor: Prof. Paolo SPAGNOLO  
*"Radiological scores in idiopathic pulmonary fibrosis (IPF) patients according to MUC5B polymorphism"*

#### 10.40 **AULA I. NIEVO**

Chairperson: Prof. Paolo Angeli

**A  
U  
L  
A**

##### **HEMATOLOGICAL AND GERIATRICS SCIENCES**

- **Andrea BENETTI** – Tutor: Prof. Maria Luigia RANDI  
*"MULTIPLE MUTATIONS IN A VENETIAN FAMILY WITH ERYTHROCYTOSIS"*

#### 10.50 **AULA I. NIEVO**

Chairperson: Prof. Girolamo Calò

**A  
U  
L  
A**

##### **PHARMACOLOGY, TOXICOLOGY AND THERAPY**

- **Maristella DONATO** – Tutor: Prof. Nicola FERRI  
*"THE SELECTIVE ACTIVATION OF FORMYL PEPTIDE RECEPTOR 2 PREVENTS THE INFLAMMATORY AND PRO-CALCIFIC DIFFERENTIATION OF INTERSTITIAL AORTIC VALVE CELLS"*

#### 11.00 **COFFEE BREAK**

***Ristorante Isola di Caprera (Via Marsilio da Padova, 11/15 – Padova)***

## 11.40 AULA I. NIEVO

Chairperson: Prof. Stefano Indraccolo

A  
U  
L  
A  
  
N  
I  
E  
V  
O  
  
A  
U  
L  
A  
  
N  
I  
E  
V  
O

### CLINICAL AND EXPERIMENTAL ONCOLOGY AND IMMUNOLOGY

- **Ludovica DI MARTINO** – Tutor: Prof. Valeria TOSELLO  
*"Branched Chain Amino Acid transaminase 1 is over-expressed in NOTCH1 activated T-cell acute lymphoblastic leukemia cells and modulates response to DNA damaging agents"*
- **Lorenzo NICOLE'** – Tutor: Prof. Angelo Paolo DEI TOS  
*"CLASSIFICATION OF SMALL ROUND CELL SARCOMAS USING DEEP LEARNING ANALYSIS: THE MANAGEMENT OF THE PRE-ANALYTICAL PHASE TO IMPROVE CLASSIFICATION OF TUMORS"*
- **Letizia PROCACCIO** – Tutor: Prof. Sara LONARDI  
*"POTENTIAL APPLICATION OF CIRCULATING TUMOR DNA ANALYSIS IN A REAL-WORLD COHORT OF PANCREATIC DUCTAL ADENOCARCINOMA PATIENTS: THE PANTA REI STUDY"*
- **Edoardo RUGGERI** – Tutor: Prof. Monica FACCO  
*"IDENTIFICATION OF NEW THERAPEUTIC TARGETS IN CLASSICAL HODGKIN LYMPHOMA"*

## **12.20 AULA I. NIEVO**

### **Introduzione**

**Prof. Patrizia Burra**

*Prorettrice alla formazione post lauream, Università degli Studi di Padova*

### **LETTURA**

***L'esperienza del Dottorato di Ricerca***

**Prof. Paola Zanovello**

*Già Coordinatrice Consulta dei Coordinatori dei Corsi di Dottorato di Ricerca, Università degli Studi di Padova*

## **13.00 LUNCH**

***Ristorante Isola di Caprera (Via Marsilio da Padova, 11/15 – Padova)***

## **14.20 AULA I. NIEVO**

Chairperson: Prof. Riccardo Manganelli

**A  
U  
L  
A  
  
N**

### **BIOMEDICINE**

▪ **Beatrice PARISATTO** – Tutor: Prof. Stefano PICCOLO;  
CO-TUTOR: Prof. Antonio ROSATO

*"TUMOR MICROENVIRONMENT CHARACTERIZATION OF  
HUMAN PAPILLOMAVIRUS-POSITIVE AND -NEGATIVE  
OROPHARYNGEAL SQUAMOUS CELL CARCINOMAS"*

▪ **Anthony PAULETTO** – Tutor: Prof. Ignazio CASTAGLIUOLO  
*"PROBIOTICS-INDUCED EPIGENETIC MODIFICATIONS IN IMMUNE CELLS AS A NOVEL STRATEGY TO EVALUATE THEIR ACTIVITY"*

▪ **Greta SEGAFREDDO** – Tutor: Prof. Riccardo MANGANELLI  
*"Characterization of the ECF Sigma Factor C of Mycobacterium tuberculosis and of the protein Rv0093c as its putative anti-sigma factor"*

▪ **Beatrice TOSONI** – Tutor: Prof. Sara N. RICHTER  
*"Evaluation of the RNA-DNA G-quadruplex hybrid structure implicated in the premature termination of mitochondrial transcription as a new potential anticancer target"*

### REGENERATIVE MEDICINE

▪ **Linda DIAMANTE** – Tutor: Prof. Graziano MARTELLO  
*"Stat3 regulates Dnmt3a/b and genomic imprinting in ESCs and early embryos"*

▪ **Federico FACCHIN** – Tutor: Prof. Vincenzo VINDIGNI  
*"DECELLULARIZED HUMAN SKELETAL MUSCLE AS BIOLOGIC SCAFFOLD FOR RECONSTRUCTIVE SURGERY"*

▪ **Carmelo PIRRI** – Tutor: Prof. Raffaele DE CARO  
*"FASCIAL TISSUE: FUTURE PERSPECTIVES IN REGENERATIVE MEDICINE"*

## 15.30 AULA I. NIEVO

Chairperson: Prof. Giovanni Di Salvo

A  
U  
L  
A  
  
N  
I  
E  
V  
O  
  
A  
U  
L  
A  
  
N  
I  
E  
V  
O  
  
A  
U  
L  
A

### ONCOHEMATOLOGY, MEDICAL GENETICS, RARE DISEASES AND PREDICTIVE MEDICINE

▪ **Luca BOSA** – Tutor: Prof. Giorgio PERILONGO. Co-Tutor: Dott.ssa Mara CANANZI

*"PRECISION MEDICINE IN PEDIATRIC INFLAMMATORY BOWEL DISEASE: AN OMICS AND NON-OMICS DATA-DRIVEN PATIENT-CENTERED TRANSLATIONAL RESEARCH APPROACH"*

▪ **Carlotta Caterina DAMANTI** – Tutor: Prof. Lara MUSSOLIN

*"THE ROLE OF EXOSOMES IN TREATMENT RESPONSE KINETICS AND TUMOR ENVIRONMENT MODULATION IN PEDIATRIC MATURE B-CELL LEUKEMIA"*

▪ **Anna GARBIN** – Tutor: Prof. Lara MUSSOLIN

*"EXOSOMAL CARGO CHARACTERIZATION OF ALCL PATIENTS: THE ROLE OF MIR- 146A-5P ON PROGNOSIS AND MACROPHAGIC INFILTRATION"*

▪ **Eva MAZZETTO** – Tutor: Prof. Carlo GIAQUINTO

*"UNRAVELLING THE ROLE OF LIPIDS IN ZIKA VIRUS INFECTION AND CROSSING OF THE PLACENTAL BARRIER"*

▪ **Gian Marco PRANDI** – Tutor: Prof. Vincenzo BALDO

*"TOWARD CANCER ELIMINATION: HPV EPIDEMIOLOGY, REAL-WORLD EXPERIENCES AND THE POTENTIAL IMPACT OF THE 9-VALENT HPV VACCINE"*

▪ **Silvia SPADINI** – Tutor: Prof. Alessandra BIFFI

*"HEMATOPOIETIC STEM AND PROGENITOR CELL GENE THERAPY FOR THE TREATMENT OF AUTOIMMUNE DISEASES"*

- **Francesca TIRELLI** – Tutor: Prof. Francesco ZULIAN

*"Long non-coding RNA H19X as a regulator of endothelial adhesion molecules in systemic sclerosis"*

- **Giulia VELTRI** – Tutor: Prof. Alessandra BIFFI

*"SIGNALLING NETWORKS UNDERLING GLUCOCORTICOID RESISTANCE IN ACUTE LYMPHOBLASTIC LEUKEMIA AND T LYMPHOBLASTIC LYMPHOMA PEDIATRIC PATIENTS"*

### HEALTH PLANNING SCIENCES

- **Francesca Maria BOTTARI** – Tutor: Prof. Paola FACCHIN

*"MATERNAL DEPRESSION AND CHILD MALTREATMENT: PLANNING AND IMPLEMENTATION OF PREVENTIVE AND CLINICAL INTERVENTIONS"*

## **17.10 CLOSING REMARKS**

## PHD COURSES (XXXV CYCLES)

### 1. CLINICAL AND EXPERIMENTAL ONCOLOGY AND IMMUNOLOGY

Coordinator: Professor Stefano INDRACCOLO

### 2. CLINICAL AND EXPERIMENTAL SCIENCES

Coordinator: Professor Paolo ANGELI

Curriculum:

- Clinical Methodology, Metabolism, Endocrinology, Nephrology and Exercise
- Rheumatological and Laboratory Sciences
- Hematological and Geriatric Sciences
- Hepatology and Transplantation Sciences

### 3. DEVELOPMENTAL MEDICINE AND HEALTH PLANNING SCIENCES

Coordinator: Professor Gianni BISOGNO

Curriculum:

- Oncohematology, Medical Genetics, Rare Diseases and Predictive Medicine
- Health Planning Sciences

## PHD COURSES (XXXV CYCLES)

### 4. **MOLECULAR MEDICINE**

Coordinator: Professor Riccardo MANGANELLI

Curriculum:

- Biomedicine
- Regenerative Medicine

### 5. **PHARMACOLOGICAL SCIENCES**

Coordinator: Professor Nicola FERRI

Curriculum:

- Molecular and Cellular Pharmacology
- Pharmacology, Toxicology and Therapy

### 6. **TRASLATIONAL SPECIALISTIC MEDICINE "G.B. MORGAGNI"**

Coordinator: Professor Annalisa ANGELINI

Curriculum:

- Biostatistics and Clinical Epidemiology
- Cardiovascular Sciences
- Clinical and Traslational Neurosciences
- Endocrine and Metabolic Sciences
- Thoracic and Pulmonary Sciences