



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA

# WINTER SCHOOL PROGRAM

## BASIC AND TRANSLATIONAL SCIENCES

PHD COURSES  
OF THE SCHOOL OF MEDICINE  
OF PADUA UNIVERSITY  
- CYCLE 40° -



**PADUA, FEBRUARY 17-21, 2025**

**Aula Cagnetto**

Institute of Pathological Anatomy  
Via A. Gabelli, 61 – 35121 Padua



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**Day 1: Monday, February 17, 2025**  
**TRANSLATIONAL APPROACHES TO COMPLEX DISEASE**

13:00	<p><b>Opening &amp; Welcome Remarks</b>  Chair: <b>Dario Gregori</b>, Coordinator, Translational Specialistic Medicine “G.B. Morgagni”, University of Padua</p> <p>Opening speech: <b>Massimiliano Zattin</b>, Vice-Rector for post-graduate education, University of Padua  Welcome speech: <b>Annalisa Angelini</b>, Introduction of all collaborating doctoral programs, University of Padua</p>
13:30	<p><b>Keynote Lectures</b>  Chairs: <b>Cristina Basso</b>, Vice Rector- for International Relations, University of Padua  <b>Giuseppe Tarantini</b>, Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padua</p> <p>Bridging the Gap: women's cardiovascular health  <b>Roxana Mehran</b>, Mount Sinai Hospital di New York, New York, US</p> <p>The impact of diverse race /ethnicity in interventional cardiology  <b>George Dangas</b>, Icahn School of Medicine at Mount Sinai, New York, US</p> <p><i>Discussants:</i> Annagrazia Cecere, Mattia Corianò (<b>Online</b>), Mariavittoria Vescovo, PhD Students</p>
15:00	<p><b>Thematic Session – Translational Research Models in Emerging Fields</b>  Chair: <b>Ornella Rossetto</b>, Coordinator, Biomedical Sciences, University of Padua</p> <p>Translational approaches in oral health  <b>Christian Bacci</b>, Department of Neurosciences, University of Padua</p> <p>Translational aspects of thyroid cancer: a journey from surgery to public health  <b>Chiara Dobrinja</b>, Department of medical, surgical and health sciences, University of Trieste</p> <p><i>Discussants:</i> Dolores Catelan, Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padua and Ernesto Comitale PhD student</p>

**16:15 Coffee Break**

16:45	<p><b>Roundtable Discussion</b>  Chairs: <b>Annalisa Angelini</b>, <b>Dario Gregori</b>, Translational Specialistic Medicine “G.B. Morgagni”, University of Padua</p> <p>Integrating Translational Research into Clinical Pathways: Opportunities &amp; Barriers  <i>Panelists:</i> Gloria Brigiari, Ilaria Barison, PhD Students</p>
17:30	<p><b>Keynote Lecture</b>  Chair: <b>Dario Gregori</b>, Coordinator, Translational Specialistic Medicine “G.B. Morgagni”, University of Padua</p> <p>AI and Machine Learning in Translational Medicine: Prospects &amp; Challenges  <b>Paola Berchialla</b>, Department of Clinical and Biological Sciences, University of Turin</p> <p><i>Discussants:</i> Chiara Castellani, Daniele Sabbatini, Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padua</p>

**18:30 Welcome Aperitif & Networking**

## Day 2: Tuesday, February 18, 2025

### ADVANCES IN ARTERIAL HYPERTENSION & VASCULAR BIOLOGY

13:15	<p><b>Keynote Lecture</b> Chair: <b>Gianni Bisogno</b>, Coordinator, Developmental Medicine and Health Planning Sciences, University of Padua</p> <p>Novel Mechanisms of Endothelial Dysfunction <b>Elena Osto</b>, Graz University, Austria - <b>ONLINE</b></p> <p><i>Discussant:</i> Mattia Corianò (<b>Online</b>), PhD Student</p>
14:15	<p><b>Short Talks Session – Microenvironment in oncological and nononcological diseases</b> Chair: <b>Arianna Loregian</b>, Coordinator, Molecular Medicine, University of Padua</p> <p>Novel analgesic compounds: from discovery to clinical trials <b>Girolamo Calò</b>, Pharmaceutical Sciences Department, University of Padua</p> <p>Extracellular matrix: the extrinsic element that controls cell behavior <b>Anna Urciuolo</b>, Department of Molecular Medicine, University of Padua</p> <p>Dysregulation of the microenvironment as a key factor in pathological conditions <b>Michela Pozzobon</b>, Department of Women's and Child Health, University of Padua</p> <p>Cancer cells and their microenvironment: a malignant interaction <b>Luca Persano</b>, Department of Women's and Child Health, University of Padua</p> <p><i>Discussants:</i> Luca Vedovelli, Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padua; Sara Provesi, Agner Henrique Dorigo Hochuli, PhD Students</p>
15:45	<b>Coffee Break</b>
16:00	<p><b>Keynote Lecture</b> Chair: <b>Ornella Rossetto</b>, Coordinator, Biomedical Sciences, University of Padua</p> <p>Bridging the Gap: From Laboratory Discoveries to Patient Care in Complex Diseases <b>Rosario Rizzuto</b>, Department of Biomedical Sciences, University of Padua</p> <p><i>Discussant:</i> Ilaria Barison, PhD Student</p>
16:45	<p><b>Roundtable Discussion</b> Chair: <b>Teresa Maria Seccia</b>, Coordinator, Arterial Hypertension and Vascular Biology, University of Padua</p> <p>Integrative Management of Hypertension: Public Health and Policy Perspectives <b>Lorena Charrier</b>, Department of Public Health and Pediatrics, University of Turin</p> <p><i>Discussants:</i> Gloria Brigiari, Giulio Cabrelle, PhD Students</p>
17:45	<p><b>Keynote Lecture</b> Chair: <b>Maurilio Tiradentes Dutra</b>, Federal Institute of Brasilia, Brazil. Researcher - University of Brasilia, Brazil, Instituto Federal de Educação, Ciência e Tecnologia de Brasília · Physical Education</p> <p>Emerging Imaging Techniques in Pathology <b>Federica Pezzuto</b>, Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padua</p> <p><i>Discussants:</i> Giuseppe Maggioni, Diego Perazzolo, PhD Students</p>

### Day 3: Wednesday, February 19, 2025

## DEVELOPMENTAL MEDICINE, HEALTH POLICY, AND PROGRAMMATIC SCIENCES

13:00	<b>Roundtable Discussion</b> Chair: <b>Annalisa Angelini</b> , Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padua  Bridging Bio-Medical Research and Humanities: From Evidence to Implementation <b>Alberto Zanatta</b> , Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padua <b>Dario Nardini</b> , Department of Historical and geographic Sciences and the Ancient World, University of Padua
14:00	<b>Keynote Lectures</b> Chair: <b>Roberta Ramonda</b> , Coordinator, Clinical and Experimental Sciences, University of Padua  Organoid Models in Precision Medicine <b>Milena Bellin</b> , Department of Biology, University of Padua  <i>Discussants:</i> Giacomo Cozzi, Luca Iorio, PhD Students

### 15:00 Coffee Break

15:30	<b>Keynote Lectures</b> Chair: <b>Dario Gregori</b> , Coordinator, Translational Specialistic Medicine "G.B. Morgagni", University of Padua  The Italian Intensive Care Unit Network Registry TIPNET <b>Angela Amigoni</b> , Pediatric Intensive Care Unit, Padua Hospital  Large scale cooperative studies in pediatric anesthesiology <b>Nicola Disma</b> , Unit for Research & University, IRCCS Istituto Giannina Gaslini Genova - <b>ONLINE</b>  <i>Discussants:</i> Cinzia Anna Maria Papappicco, Anna Tessari, PhD Students
16:45	<b>Session 1 – Oncology, Immunology and innovations</b> Chair: <b>Nicola Ferri</b> , Coordinator, Pharmacological Sciences, University of Padua  Frontiers in radiomic research <b>Chiara Giraudo</b> , Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padua  <i>Discussant:</i> Mariavittoria Vescovo, PhD Student
17:30	<b>Keynote Lecture</b> Chair: <b>Annalisa Angelini</b> , Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padua  Innovations in Travel Medicine: Vaccines, Prevention, and Beyond <b>Andrea Rossanese</b> , Negrar Hospital, Verona  <i>Discussants:</i> Mohammad Junayed Bhuyan, Ajsi Kanapari PhD Students
18:30	<b>Open Debate and Networking</b>

## Day 4: Thursday, February 20, 2025

### CUTTING-EDGE MOLECULAR MEDICINE: FROM BENCH TO BEDSIDE

13:30	<p><b>Keynote Lectures</b> Chair: <b>Kalliopi Pilichou</b>, Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padua</p> <p>Mitochondrial DNA mutations in ovarian cancer and their impact on the response to anti-VEGF therapy <b>Stefano Indraccolo</b>, Department of Surgery Oncology and Gastroenterology, Oncology and Immunology Section, University of Padua, Basic and Translational Oncology Unit, Veneto Institute of Oncology IOV - IRCCS</p> <p>A LIPSTIC screening system for TCR antigen discovery <b>Giulia Pasqual</b>, Department of Surgery Oncology and Gastroenterology, Oncology and Immunology Section, University of Padua</p> <p><i>Discussants:</i> Serena Pinci, Francesca Dalla Zanna, PhD Students</p>
14:45	<p><b>Keynote session – Frontier in Molecular Interventions</b> Chair: <b>Luca Vedovelli</b>, Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padua</p> <p>Spatial omics and Multi-Omics Data Integration <b>Enrico Grisan</b>, Director, Bioscience and Bioengineering Research Centre, Biomedical Imaging, Monitoring and Treatment, Uk - <u><a href="#">ONLINE</a></u></p> <p>Car-T therapy in Hematologic Malignancies <b>Renato Zambello</b>, Department of Medicine, University of Padua</p> <p>RNA-Based Drugs: Beyond mRNA Vaccines <b>Fabrizio Mancin</b>, Department of Chemical Sciences, University of Padua</p> <p>Integrating ATAC-seq and RNA-seq data to investigate maternal deposition and maternal-to-zygotic transition in <i>Aedes aegypti</i> <b>Martina Bado</b>, Department of Molecular Medicine, University of Padua</p> <p><i>Discussants:</i> Shinto Pulickal Thomas, Ajsi Kanapari PhD Students</p>

#### 17:00 Coffee Break

17:30	<p><b>Roundtable Discussion</b> Chair: <b>Gianni Bisogno</b>, Coordinator, Developmental Medicine and Health Planning Sciences, University of Padua</p> <p>Ethical, Regulatory, and Translational Challenges in Clinical Research <b>Adriana Cecchi</b>, ARCS Azienda Regionale di Coordinamento per la Salute, Udine</p> <p><i>Discussant:</i> <b>Dario Gregori</b>, Coordinator, Translational Specialistic Medicine “G.B. Morgagni”, University of Padua</p>
18:30	<p><b>Interactive Q&amp;A and Networking</b></p>



**Day 5: Friday, February 21, 2025**  
**ONCOLOGY & IMMUNOLOGY INNOVATIONS AND INTEGRATED  
 BIOMEDICAL & CLINICAL SCIENCES**

12:00	<p><b>Keynote Lecture</b>            Chair: <b>Renan Pedra de Souza</b>, Departamento de Genética, Ecologia e Evolução, Universidade Federal de Minas Gerais (Belo Horizonte - MG- Brazil)</p> <p>Innovative trends in tumor immunotherapy  <b>Antonio Rosato</b>, Department of Surgical, Oncological and Gastroenterological sciences, University of Padua</p> <p><i>Discussants:</i> Giulia D'Accordio, Alfredo Pherez-Farah, PhD Students</p>
13:00	<p><b>Keynote Lecture</b>            Chair: <b>Andrea Dell'Amore</b>, Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padua</p> <p>The Staging project on lung, pleura and thymus cancers: an historical perspective on its clinical impact  <b>Valerie Rusch</b>, Memorial Sloan Kettering Cancer Center, New York, NY (USA) - <b><u>ONLINE</u></b></p> <p><i>Discussants:</i> Giorgio Cannone, Mariavittoria Vescovo, PhD Students</p>
14:00	<p><b>Keynote Lecture</b>            Chair: <b>Daniele Sabbatini</b>, Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padua</p> <p>Challenges in understanding the human genome  <b>Eva Trevisson</b>, Clinical Genetics Unit, Department of Women's and Children's Health, University of Padua</p> <p><i>Discussant:</i> Serena Pinci, PhD Student</p>

**15:00 Coffee Break**

15:30	<p><b>Keynote Lecture</b>            Chair: <b>Fiorella Calabrese</b>, Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padua</p> <p>Predictive markers for immunotherapy in non-small cell lung cancer (NSCLC)  <b>Laura Bonanno</b>, Department of Surgical, Oncological and Gastroenterological Sciences, University of Padua</p> <p><i>Discussant:</i> Daniele Sabbatini, Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padua</p>
16:15	<p><b>Keynote Lecture</b>            Chair: <b>Cristina Canova</b>, Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padua</p> <p>Climate change and health: A European perspective  <b>Elisa Gallo</b>, Barcelona Institute for Global Health, Spain</p> <p><i>Discussant:</i> Giorgia Stoppa, Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padua and Denise Feurer, PhD Student</p>

17:00	<p><b>Keynote Lecture</b>  Chair: <b>Dario Gregori</b>, Coordinator, Translational Specialistic Medicine “G.B. Morgagni”, University of Padua</p> <p>Methodological pitfalls in research. A medical legal and ethics perspective  <b>Elio Santangelo</b>, ASU GI Azienda Sanitaria Universitaria Giuliano Isontina, Trieste</p> <p><i>Discussants:</i> Annalisa Angelini, Dario Gregori, Translational Specialistic Medicine “G.B. Morgagni”, University of Padua</p>
17:45	<p><b>Concluding Remarks</b>  <b>Dario Gregori</b>, Coordinator, Translational Specialistic Medicine “G.B. Morgagni”, University of Padua</p>

## PHD COURSES

<b>1.</b>	<b>ARTERIAL HYPERTENSION AND VASCULAR BIOLOGY (ARHYVAB)</b> Coordinator: Professor Teresa Maria SECCIA
<b>2.</b>	<b>BIOMEDICAL SCIENCES</b> Coordinator: Professor Ornella ROSSETTO
<b>3.</b>	<b>CLINICAL AND EXPERIMENTAL SCIENCES</b> Coordinator: Professor Roberta RAMONDA Curriculum: <ul style="list-style-type: none"> <li>▪ Clinical Methodology, Metabolism, Endocrinology, Nephrology and Exercise</li> <li>▪ Rheumatological and Laboratory Sciences</li> <li>▪ Hematological and Geriatric Sciences</li> <li>▪ Hepatology and Transplantation Sciences</li> </ul>
<b>4.</b>	<b>DEVELOPMENTAL MEDICINE AND HEALTH PLANNING SCIENCES</b> Coordinator: Professor Gianni BISOGNO Curriculum: <ul style="list-style-type: none"> <li>▪ Oncohematology, Medical Genetics, Rare Diseases and Predictive Medicine</li> <li>▪ Health Planning Sciences</li> </ul>
<b>5.</b>	<b>PHARMACOLOGICAL SCIENCES</b> Coordinator: Professor Nicola FERRI
<b>6.</b>	<b>MOLECULAR MEDICINE</b> Coordinator: Professor Arianna LOREGIAN Curriculum: <ul style="list-style-type: none"> <li>▪ Biomedicine</li> <li>▪ Regenerative Medicine</li> </ul>
<b>7.</b>	<b>ONCOLOGY AND IMMUNOLOGY</b> Coordinator: Professor Antonio ROSATO
<b>8.</b>	<b>TRANSLATIONAL SPECIALISTIC MEDICINE "G.B. MORGAGNI"</b> Coordinator: Professor Dario GREGORI Curriculum: <ul style="list-style-type: none"> <li>▪ Biostatistics and Clinical Epidemiology</li> <li>▪ Cardiovascular Sciences</li> <li>▪ Clinical and Translational Neurosciences</li> <li>▪ Endocrine and Metabolic Sciences</li> <li>▪ Nursing and Health Sciences</li> <li>▪ Thoracic and Pulmonary Sciences</li> </ul>

### **SCIENTIFIC ORGANIZING**

**Prof. Dario Gregori**

Coordinator,

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### **ORGANIZING SECRETARIAT**

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