



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>Opening & Welcome Remarks Chair: Dario Gregori, Coordinator, Translational Specialistic Medicine “G.B. Morgagni”, University of Padua</p> <p>Opening speech: Massimiliano Zattin, Vice-Rector for post-graduate education, University of Padua Welcome speech: Annalisa Angelini, Introduction of all collaborating doctoral programs, University of Padua</p>
13:30	<p>Keynote Lectures Chairs: Cristina Basso, Vice Rector- for International Relations, University of Padua Giuseppe Tarantini, Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padua</p> <p>Bridging the Gap: women's cardiovascular health Roxana Mehran, Mount Sinai Hospital di New York, New York, US</p> <p>The impact of diverse race /ethnicity in interventional cardiology George Dangas, Icahn School of Medicine at Mount Sinai, New York, US</p> <p><i>Discussants:</i> Annagrazia Cecere, Mattia Corianò (Online), Mariavittoria Vescovo, PhD Students</p>
15:00	<p>Thematic Session – Translational Research Models in Emerging Fields Chair: Ornella Rossetto, Coordinator, Biomedical Sciences, University of Padua</p> <p>Translational approaches in oral health Christian Bacci, Department of Neurosciences, University of Padua</p> <p>Translational aspects of thyroid cancer: a journey from surgery to public health Chiara Dobrinja, 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>Roundtable Discussion Chairs: Annalisa Angelini, Dario Gregori, Translational Specialistic Medicine “G.B. Morgagni”, University of Padua</p> <p>Integrating Translational Research into Clinical Pathways: Opportunities & Barriers <i>Panelists:</i> Gloria Brigiari, Ilaria Barison, PhD Students</p>
17:30	<p>Keynote Lecture Chair: Dario Gregori, Coordinator, Translational Specialistic Medicine “G.B. Morgagni”, University of Padua</p> <p>AI and Machine Learning in Translational Medicine: Prospects & Challenges Paola Berchiolla, 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>Keynote Lecture Chair: Gianni Bisogno, Coordinator, Developmental Medicine and Health Planning Sciences, University of Padua</p> <p>Novel Mechanisms of Endothelial Dysfunction Elena Osto, Graz University, Austria - <u>ONLINE</u></p> <p><i>Discussant:</i> Mattia Corianò (<u>Online</u>), PhD Student</p>
14:15	<p>Short Talks Session - Microenvironment in oncological and nononcological diseases Chair: Arianna Loregian, Coordinator, Molecular Medicine, University of Padua</p> <p>Novel analgesic compounds: from discovery to clinical trials Girolamo Calò, Pharmaceutical Sciences Department, University of Padua</p> <p>Extracellular matrix: the extrinsic element that controls cell behavior Anna Urciuolo, Department of Molecular Medicine, University of Padua</p> <p>Dysregulation of the microenvironment as a key factor in pathological conditions Michela Pozzobon, Department of Women's and Child Health, University of Padua</p> <p>Cancer cells and their microenvironment: a malignant interaction Luca Persano, 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	Coffee Break
16:00	<p>Keynote Lecture Chair: Ornella Rossetto, Coordinator, Biomedical Sciences, University of Padua</p> <p>Bridging the Gap: From Laboratory Discoveries to Patient Care in Complex Diseases Rosario Rizzuto, Department of Biomedical Sciences, University of Padua</p> <p><i>Discussant:</i> Ilaria Barison, PhD Student</p>
16:45	<p>Roundtable Discussion Chair: Teresa Maria Seccia, Coordinator, Arterial Hypertension and Vascular Biology, University of Padua</p> <p>Integrative Management of Hypertension: Public Health and Policy Perspectives Lorena Charrier, Department of Public Health and Pediatrics, University of Turin</p> <p><i>Discussants:</i> Gloria Brigiari, Giulio Cabrelle, PhD Students</p>
17:45	<p>Keynote Lecture Chair: Maurilio Tiradentes Dutra, 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 Federica Pezzuto, 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	<p>Roundtable Discussion Chair: Annalisa Angelini, Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padua</p> <p>Bridging Bio-Medical Research and Humanities: From Evidence to Implementation Alberto Zanatta, Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padua Dario Nardini, Department of Historical and geographic Sciences and the Ancient World, University of Padua</p>
14:00	<p>Keynote Lectures Chair: Roberta Ramonda, Coordinator, Clinical and Experimental Sciences, University of Padua</p> <p>Organoid Models in Precision Medicine Milena Bellin, Department of Biology, University of Padua</p> <p><i>Discussants:</i> Giacomo Cozzi, Luca Iorio, PhD Students</p>
15:00	<p>Coffee Break</p>
15:30	<p>Keynote Lectures Chair: Dario Gregori, Coordinator, Translational Specialistic Medicine "G.B. Morgagni", University of Padua</p> <p>The Italian Intensive Care Unit Network Registry TIPNET Angela Amigoni, Pediatric Intensive Care Unit, Padua Hospital</p> <p>Large scale cooperative studies in pediatric anesthesiology Nicola Disma, Unit for Research & University, IRCCS Istituto Giannina Gaslini Genova - ONLINE</p> <p><i>Discussants:</i> Cinzia Anna Maria Papappicco, Anna Tessari, PhD Students</p>
16:45	<p>Session 1 - Oncology, Immunology and innovations Chair: Nicola Ferri, Coordinator, Pharmacological Sciences, University of Padua</p> <p>Frontiers in radiomic research Chiara Giraud, Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padua</p> <p><i>Discussant:</i> Mariavittoria Vescovo, PhD Student</p>
17:30	<p>Keynote Lecture Chair: Annalisa Angelini, Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padua</p> <p>Innovations in Travel Medicine: Vaccines, Prevention, and Beyond Andrea Rossanese, Negrar Hospital, Verona</p> <p><i>Discussants:</i> Mohammad Junayed Bhuyan, Ajsi Kanapari PhD Students</p>
18:30	<p>Open Debate and Networking</p>

Day 4: Thursday, February 20, 2025

CUTTING-EDGE MOLECULAR MEDICINE: FROM BENCH TO BEDSIDE

13:30	<p>Keynote Lectures Chair: Kalliopi Pilichou, 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 Stefano Indraccolo, 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 Giulia Pasqual, 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>Keynote session – Frontier in Molecular Interventions Chair: Luca Vedovelli, Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padua</p> <p>Spatial omics and Multi-Omics Data Integration Enrico Grisan, Director, Bioscience and Bioengineering Research Centre, Biomedical Imaging, Monitoring and Treatment, Uk - <u>ONLINE</u></p> <p>Car-T therapy in Hematologic Malignancies Renato Zambello, Department of Medicine, University of Padua</p> <p>RNA-Based Drugs: Beyond mRNA Vaccines Fabrizio Mancin, 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> Martina Bado, Department of Molecular Medicine, University of Padua</p> <p><i>Discussants:</i> Shinto Pulickal Thomas, Ajsi Kanapari PhD Students</p>
17:00	<p>Coffee Break</p>
17:30	<p>Roundtable Discussion Chair: Gianni Bisogno, Coordinator, Developmental Medicine and Health Planning Sciences, University of Padua</p> <p>Ethical, Regulatory, and Translational Challenges in Clinical Research Adriana Cecchi, ARCS Azienda Regionale di Coordinamento per la Salute, Udine</p> <p><i>Discussant:</i> Dario Gregori, Coordinator, Translational Specialistic Medicine “G.B. Morgagni”, University of Padua</p>
18:30	<p>Interactive Q&A and Networking</p>

Day 5: Friday, February 21, 2025

ONCOLOGY & IMMUNOLOGY INNOVATIONS AND INTEGRATED BIOMEDICAL & CLINICAL SCIENCES

12:00	<p>Keynote Lecture Chair: Renan Pedra de Souza, Departamento de Genética, Ecologia e Evolução, Universidade Federal de Minas Gerais (Belo Horizonte - MG- Brazil)</p> <p>Innovative trends in tumor immunotherapy Antonio Rosato, 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>Keynote Lecture Chair: Andrea Dell'Amore, 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 Valerie Rusch, Memorial Sloan Kettering Cancer Center, New York, NY (USA) - ONLINE</p> <p><i>Discussants:</i> Giorgio Cannone, Mariavittoria Vescovo, PhD Students</p>
14:00	<p>Keynote Lecture Chair: Daniele Sabbatini, Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padua</p> <p>Challenges in understanding the human genome Eva Trevisson, 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	<p>Coffee Break</p>
15:30	<p>Keynote Lecture Chair: Fiorella Calabrese, 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) Laura Bonanno, 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>Keynote Lecture Chair: Cristina Canova, Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padua</p> <p>Climate change and health: A European perspective Elisa Gallo, 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>Keynote Lecture Chair: Dario Gregori, Coordinator, Translational Specialistic Medicine “G.B. Morgagni”, University of Padua</p> <p>Methodological pitfalls in research. A medical legal and ethics perspective Elio Santangelo, 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>Concluding Remarks Dario Gregori, Coordinator, Translational Specialistic Medicine “G.B. Morgagni”, University of Padua</p>

PHD COURSES

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

SCIENTIFIC ORGANIZING

Prof. Dario Gregori

Coordinator,

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ORGANIZING SECRETARIAT

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