



PhD course



Translational
Specialistic
Medicine
G.B. Morgagni

2026

WINTER SCHOOL PROGRAM

BASIC AND TRANSLATIONAL SCIENCES

PHD COURSES OF THE SCHOOL OF MEDICINE OF PADUA UNIVERSITY



Padua, February 16 - 20



Aula Magna Giovanni Felice Azzone

Complesso A. Vallisneri

viale G. Colombo 3 (riverside)

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Scientific Organizer

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<https://unipd.zoom.us/j/83180763829>



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Monday, February, 16, 2026

AI and Multi-omics for Precision and Predictive Medicine

13:00 Opening & Welcome Remarks

Dario Gregori

Coordinator, Translational Specialistic Medicine "G.B. Morgagni", University of Padua

13:30 From Data to Discovery: The Role of

14:30 Computational Approaches in Biomedical Research

Dario Righelli, Claudia Angelini

Institute for Applied Computing (IAC) "Mauro Picone", Naples

Thematic Session:

New Targets and New Methods for New Drugs

14:30 From Pixels to Patients: AI, Imaging, and Multi-omics

15:00 Integration in Precision Medicine

Ilaria Billato

Department of Biology, University of Padova

15:00 From mushrooms to medicine: cellular

15:30 mechanisms underlying psilocybin-induced neuroplasticity

Sonia Sonda

Neuroscience, National Research Council (CNR) Padua



Coffee Break

16:00 Multi-Omics Data Fusion for Precision Medicine
17:00 and Therapeutics

Natasa Przulj (online)

Mohamed Bin Zayed University of Artificial Intelligence (MBZUAI), Abu Dhabi, United Arab Emirates

Discussant: **Annalisa Angelini, Emanuele Zamprogno**
University of Padua

17:00 From Research to Innovation: the 5Ws Rule

18:00

Davide Ederle

Pediatric Research Institute (IRP) "Città della Speranza", Padua

Discussant: **Annalisa Angelini**

University of Padua



Welcome Aperitif & Networking

Tuesday, February, 17, 2026

Immunology & Inflammation as a Shared Mechanism Across Diseases

13:30 Sex Differences in Atherosclerosis and Cardiovascular
14:00 Disease

Elena Osto (online)
Medical University of Graz

14:00 Immunometabolism in Cardiovascular Diseases
14:30

Fabrizia Bonacina
Department of Pharmacological and Biomolecular sciences,
University of Milan

14:30 Digital Therapy and Telemedicine Approaches
15:00 for Nutritional Intervention in ADPKD

Paola Pontrelli (online)
Department of Precision and Regenerative Medicine and Ionian
Area (DIMEPRE-J), University of Bari Aldo Moro



Coffee Break

15:30 Measuring Movement, Enhancing Recovery:
16:00 Instrumented and Sensor-Based Approaches in
Rehabilitation

Paola Contessa
Department of Neuroscience, University of Padua

16:30 A 3D Cardiac In Vitro Model: From Its
17:00 Development to Applications

Giacomo Bernava
Cardiovascular Disease Modeling and regenerative medicine, DCTV,
University of Padua

Thematic Session:
Research in Resource-Limited Settings
Chair **Annalisa Angelini**

17:30 Research in Maternal and Reproductive Health in
18:00 Resource-Limited Settings

Eden Girmaye (online)
Ambo University, Ethiopia

Discussant: **Paola Veronese**
University of Padua

Wednesday, February, 18, 2026

Next-Generation Therapies: Cell/Gene Therapy, Regeneration, Targeted Drugs

14:00 Genetic Modifiers of Duchenne Muscular

14:30 Dystrophy

Luca Bello

Department of Neuroscience, University of Padua

14:30 Circulating Biomarkers in Lymphoma: From Minimal

15:45 Residual Disease to Extracellular Vesicles

Lara Mussolin, Carlotta C. Damanti

Department of Women's and Children's Health SDB,
University of Padua

Discussant **Daniele Sabbatini, Pierangela Palmierini**

University of Padua



Coffee Break

Thematic Session:

Bioinformatics and Bio-medical Research

Chair **Luca Vedovelli**

16:00 The Sequencing Revolution: NGS and Single-Cell

16:30 Approaches in Healthcare

Carlo Zanon

Pediatric Research Institute (IRP) "Città della Speranza", Padua

16:30 Unveiling Leukemia Plasticity Through Single-Cell

17:00 Multiomics

Silvia Bresolin

Pediatric Research Institute (IRP) "Città della Speranza", Padua

Discussant **Daniele Sabbatini, Pierangela Palmierini**

University of Padua

Thematic Session:

Inequalities, Needs and Healthcare Funding

Chair **Dario Gregori**

17:00 Health Inequalities and Determinants of

17:30 Healthcare Needs

Paolo Chiodini (online)

Medical Statistics Unit, University of Campania Luigi Vanvitelli

17:30 Health Needs and Regional Funding: Challenges

18:00 in Allocating the National Health Fund

Giuliano Resce

University of Molise / Visiting Senior Fellow, LSE

Discussant **Danila Azzolina, Dolores Catelan**

University of Naples Federico II and University of Padua

Thursday, February, 19, 2026

Learning Health Systems: Real-World Evidence, Causal Inference, and Implementation

Thematic Session: Outcomes in Clinical Research

Chair **Annalisa Angelini, Dario Gregori**

13:30 Why Clinicians and Statisticians Need to Be a
14:30 Team That Thinks Together

Frank Detterbeck

Yale University and Yale Cancer Center

Discussant **Gloria Brigiari**

University of Padua

Thematic Session:

Molecular Markers in Cancer Research

14:30 Molecular Markers in Diagnosis of Thyroid
15:00 Cancer in Indeterminate Thyroid Nodules

Chiara Dobrinja

Department of Medical, Surgical and Health Sciences, University of Trieste

15:00 Cytotoxic and Antiproliferative Effects of Selenium Compounds in
15:30 Neuroblastoma and Breast Cancer Cells: An In Vitro Study

Claudia Sirlene de Oliveira (online)

Instituto de Pesquisa Pelé Pequeno Príncipe, Brazil

Discussant **Emanuele Zamprogno, Anna Sordo**

University of Padua



Coffee Break

16:00 Challenges in understanding the human genome

16:30

Mara Doimo

Clinical Genetics Unit, Department of Women's and Children's Health SDB, University of Padua

16:30 Evidence Based Decision Making in Food Safety

17:00

Simone Bellucco

Experimental Zooprophyllactic Institute of the Venezie (IZSVe)

17:00 Transnational implications of patient's civil

17:30 claims for misuse of patient's personal data and consent collection

Omar Vanin

Partner Libra legal, Adjunct professor of Transnational Commercial Law University of Padua

Friday, February, 20, 2026

Surviving (and Thriving) as a PhD Student

14:00 Welcome and Introduction

14:10 Insights from the AlmaLaurea Questionnaire

14:30

Gianni Bisogno

Coordinator of the PhD Programme in Developmental Medicine and Health Planning Sciences, University of Padua

Nicolò Marcato

PhD Office, University of Padua

14:30 Mental Health and Well-Being During the PhD

15:00

Damiano Stramaccioni

PhD Candidate in Physics, University of Padua

Gabriele Felaco

PhD Candidate in Information Science and Technology, University of Padua

15:00 The Role of the Supervisor in the PhD Journey

15:20

Lucia Regolin

Coordinator of the PhD Programme in Psychological Sciences, University of Padua

Francesca Peressotti

Vice-Coordinator of the PhD Programme in Psychological Sciences, University of Padua

15:20 The Dutch PhD System

15:40

J. Hans Merks

The Netherlands

15:40 Being an International PhD Student in Padova

16:00

Negar Haghpanah

PhD Candidate in Developmental Medicine and Health Planning Sciences, University of Padua

16:00 PhD Candidates and Internationalisation

16:20

Massimiliano Zattin

Vice-Rector for International Relations and PhD & Postgraduate Education, University of Padua

16:20 The “Three Words” Project

Sara Perpinello, Alberto Peloso

PhD Candidates in Developmental Medicine and Health Planning Sciences, University of Padua

Michele Ruol

Pediatric Surgeon, Anesthesiologist et al.

Gianni Bisogno

Coordinator of the PhD Programme in Developmental Medicine and Health Planning Sciences

17:20 Concluding Remarks



Closing Reception & Networking