



UNIVERSITÀ DI PISA

PhD Program in Clinical and Translational Sciences

Coordinator: Prof. Mauro Pistello

PhD Program in Clinical Physiopathology

Coordinator: Prof. Luca Bruschini

PhD Week 2025

Navigating the Future in Healthcare Science



May 5 – 7, 2025

Aula Magna Polo Fibonacci

Largo Bruno Pontecorvo 3, 56127 Pisa



UNIVERSITÀ DI PISA

May 05, 2025

08.30 - 09.45 *Welcome and opening remarks*

Riccardo Zucchi, *Rector of the University of Pisa*

Emanuele Neri, *President of the School of Medicine*

Maurizia Brunetto, *Director of Clinical and Experimental Medicine*

Grazia Chiellini, *Director of Surgical, Medical and Molecular Pathology and Critical Care Medicine*

Duccio Volterrani, *Director of Translational Research*

Silvia Briani, *General Director Azienda Ospedaliero-Universitaria Pisana*

Luigi Doveri, *Unione Industriali Pisana, Consigliere Delega Start-up e Attrazione degli investimenti*

09.45 - 10.30 *National and International PhD courses*

Chair: Luca Bruschini and Mauro Pistello, Directors PhD Courses

Bernardo Tellini, *Vice Rector of Doctoral Research, University of Pisa*

Outlook on Italian PhD courses

Roberto Lacorte, *CEO Pharmanutra SpA*

The doctoral program in the context of national and international enterprises

10.30 - 11.00 *Coffee break*

11.00 – 13.00 *Endocrinology, Metabolism, Cardiovascular and Respiratory Medicine*

Chair: Giuseppe Daniele and Raffaele De Caterina, University of Pisa

Raffaele De Caterina, *University of Pisa*

Inflammation and atherosclerotic vascular disease

Stefano Del Prato, *University of Pisa*

New frontiers in cardiometabolism – anti-diabetic drugs reducing cardiovascular risk

Ferruccio Santini, *University of Pisa*

Overweight and obesity: a multi-pronged strategy to reduce cardiovascular risk

Stefano Taddei, *University of Pisa*

Endocrine causes for secondary hypertension: diagnostic and therapeutic updates

13.00 - 14.00 *Lunch*



UNIVERSITÀ DI PISA

14.00 - 16.00 *Guided Poster Session*

Committee: Claudia Carmassi, Francesco Corradi, Paolo De Simone, Gianluca Masi, Laura Sebastiani, Clara Ugolini, University of Pisa

During the Guided Poster Session, each poster will be displayed in a structured and interactive format for participants. Presenters will stand next to their posters to explain their research, answer questions and discuss with colleagues and experts in the field. This format will ensure a dynamic exchange of ideas and provide a valuable opportunity for networking, feedback and collaboration between attendees.

16.00 - 18.00 *Precision Medicine in Oncology*

Chair: Chiara Cremolini and Cristian Scatena, University of Pisa

Marco Germani, University of Pisa

Liquid biopsy for the detection of the minimal residual disease

Enrico Franceschi, IRCCS Istituto delle Scienze Neurologiche di Bologna

Academic Research in rare tumors: networking and other challenges

Luca Malorni, Translational Research Unit Hospital of Prato

From Italy to Houston and back for the love of research

Antonio Giordano, Temple University, Philadelphia (US)

**How molecular genetic research can be applied to patient therapies and diagnostics:
The Sbarro Health Research Organization**



UNIVERSITÀ DI PISA

May 6, 2024

08.30 - 10.30 Ethical Committees: Collaboration and Expertise

(OPBA, CEAVNO, Meyer, National, and University)

Chair: Mauro Bellandi and Ugo Faraguna, University of Pisa

Speakers: Antonello Di Paolo (OPBA), Elena Bargelli (Bioethical Committee of the University of Pisa), Paola Migliorini (CEAVNO), Diego Carignani (CEAVNO)

Join representatives from the OPBA, CEAVNO, Meyer, National, and University Ethical Committees for an insightful session. Brief introductions will highlight each committee's specific areas of expertise and key responsibilities. Following this, a dynamic round table discussion will foster an exchange of experiences, best practices, and challenges faced in their respective fields. An open forum will then invite audience members and panelists to address specific issues, questions, and explore potential collaborative opportunities.

10.30 - 11.00 Coffee break

11.00 – 13.00 Biopsychology and Neurosciences

Chair: Angelo Gemignani and Filippo Sean Giorgi, University of Pisa

Marco De Curtis, IRCCS Foundation “Carlo Besta” Neurological Institute, Milan

The role of translational research in understanding how epileptic seizures are generated

Cristina Di Primio, National Research Council, Institute of Neuroscience, Pisa

Decoding Neurodegeneration: the impact of nuclear Tau in the Onset of Tauopathies

Andrea Pigorini, Department of Biomedical, Surgical, and Dental Sciences, University of Milan

Perturbational complexity and neuronal bistability in the human brain: a 10-years journey towards restoring brain functions after injury

Panel discussion with the speakers on “clinical and translational implications of basic research in neuroscience”, and questions and contributions from the audience.

Moderator: Prof. Roberto Ceravolo, University of Pisa

13.00 - 14.00 Lunch



UNIVERSITÀ DI PISA

14.00 - 16.00 *Guided Poster Session*

Committee: *Giovanna Batoni, Ciro Conversano, Antonella Lupetti, Federico Pratesi, Alessandra Salvetti, Cristian Scatena, University of Pisa*

During the Guided Poster Session, each poster will be displayed in a structured and interactive format for participants. Presenters will stand next to their posters to explain their research, answer questions and discuss with colleagues and experts in the field. This format will ensure a dynamic exchange of ideas and provide a valuable opportunity for networking, feedback and collaboration between attendees.

16.00 - 18.00 *The Microbiome in the One Health Perspective*

Chair: *Emilia Ghelardi e Caterina Rizzo, University of Pisa*

Antonietta Tomasulo, EuBiome, Padua

Microbiome One Health model for a healthy ecosystem

Guglielmo Arzilli, University of Pisa

Influenza Vaccination and Antibiotic Use: Real-World Evidence in the Context of Antimicrobial Resistance

Carlotta De Filippo, IBBA-CNR National Research Council

Diet as a modulator of the gut microbiota

Diletta Mazzantini, University of Pisa

Spore-forming bacteria: only gastrointestinal pathogens or modulators of the human gut microbiota?

May 7, 2025

08.30 - 10.30 *Insights from the Advisory Board(s)*

Chair: *Luca Bruschini and Mauro Pistello, University of Pisa*

Maria Letizia Casani, General Director Azienda USL Toscana Nord-Ovest

The National Health Service (SSN)

Federico Forneris, Vice Rector for Research, University of Pavia

Writing and Management of Research Projects

Fabio Recchia, Director Institute of Clinical Physiology, CNR, Pisa

The Role of Experimental Medicine

William Vaccani, General Manager Italy, Malta & Israel GE HC Pharmaceutical Diagnostics

Funding and Research Opportunities from the enterprises



UNIVERSITÀ DI PISA

10.30 - 11.00 *Coffee break*

11.00 – 13.00 *Surgery, Anesthesiology, Imaging, Simulation and Planning*

Chair: Francesco Corradi and Emanuele Neri, University of Pisa

Daniele Regge, *Former Chairman Department of Radiology, IRCCS Candiolo, University of Turin*
Pro-Cancer-I, an artificial intelligence platform for the diagnosis of prostate cancer

Emanuele Cigna, *Director of ENDOCAS center, University of Pisa*
Simulation in surgery

Francesco Corradi, *Director Training program in Anesthesia and Intensive Care, University of Pisa*
AI and simulation in Anesthesia and Intensive Care

Simone Capaccioli, *Director Center for Instrument Sharing, University of Pisa (CISUP)*
How to build an infrastructure for Instrument Sharing

13.00 - 14.00 *Lunch*

14.00 - 16.00 *Guided Poster Session*

Committee: Angela Dardano, Rossella Elisei, Maria Franzini, Emilia Ghelardi, Luca Morelli, Fabiola Paiar, Nicola Pugliese, Anna Solini, University of Pisa

During the Guided Poster Session, each poster will be displayed in a structured and interactive format for participants. Presenters will stand next to their posters to explain their research, answer questions and discuss with colleagues and experts in the field. This format will ensure a dynamic exchange of ideas and provide a valuable opportunity for networking, feedback and collaboration between attendees.

16.00 - 17.30 *Navigating the Future of Italian and European Research*

Chair: Corrado Priami and Benedetta Mennucci, University of Pisa

Vittoria Raffa, *Rector's Delegate for Research in the Life Sciences*
Scientific research on a global scale

Giovanni Federico Gronchi, *Vice-Rector for cooperation and international relations*
Alliance Circle U, a new horizon for education and research collaboration in Europe

Alessandro Tredicucci, *Vice Rector for Research Organization, University of Pisa*
Ethical challenges of scientific research: open science, dual use, media, politics and academic pressure

17.30 - 18.00 *PhD Awards and Closing Ceremony*