



UNIVERSITÀ DI PISA

PhD Program in Clinical and Translational Sciences

Coordinator: Prof. **Mauro Pistello**

PhD Program in Clinical Physiopathology

Coordinator: Prof. **Massimo Chiarugi**

PhD Week 2024

Navigating the Future in Healthcare Science



May 15 – 17, 2024

Centro Congressi “Le Benedettine”

Piazza S. Paolo a Ripa D'Arno, 16, 56125 Pisa



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May 15, 2024

08.30 - 09.15 *Welcome and opening remarks*

Riccardo Zucchi, *Rector of the University of Pisa*

Emanuele Neri, *President of the School of Medicine*

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

Aldo Paolicchi, *Director of Translational Research*

Stefano Taddei, *Director of Clinical and Experimental Medicine*

09.15 - 10.30 *National and International PhD courses*

Chair: Massimo Chiarugi and Mauro Pistello, Coordinators PhD Courses

Bernardo Tellini, *Pro-Rector of Research Doctorate, University of Pisa*

Outlook on Italian PhD courses

Giorgio Gilestro, *Imperial College London, UK*

A look at PhD courses abroad

Round Table

10.30 - 11.00 *Coffee break*

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

Chair: Piero Marchetti and Raffaele De Caterina, University of Pisa

Massimo Tonacchera, *University of Pisa*

Endocrine disruptors and thyroid dysfunctions

Manuela Battaglia, *University of Milan*

Type 1 diabetes - Is it time for revolution?

Domenico Prisco, *University of Florence*

Cardiovascular antithrombotic therapy in atrial fibrillation and venous thromboembolism - Factor XI Inhibitors

Round Table



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13.00 - 14.00 *Lunch*

14.00 - 16.00 *Guided Poster Session*

16.00 – 18.00 *Bio-Psychology and Neurosciences*

Chair: Angelo Gemignani and Roberto Ceravolo, University Pisa

Giovanni Bellomo, *University of Perugia*

**Trajectories of CSF and plasma biomarkers across Alzheimer's disease continuum:
disease staging by NF-L, p-tau181, and GFAP**

Chiara Milano, *University of Pisa*

**Inflammatory cytokines in mesial temporal lobe epilepsy: A possible role in drug
resistance**

Giovanni Palermo, *University of Pisa*

Imaging of neuroanatomical signature of gait dysfunction in Parkinson Disease

Jacopo Agrimi, *University of Padua*

Intimate partner violence: understanding the pathophysiology of the wound



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May 16, 2024

08.30 - 10.30 *From drugs discovery to the registration process*

Chair: Lorenzo Ghiadoni and Alessandro Antonelli, University of Pisa

Alice Ravizza, *InsideAI srl*

From early development to registration of medical devices

Concettina La Motta, *University of Pisa*

The drug discovery process from hit to lead compounds: a case study of new anticancer agents

Ilaria Conti, *Vice President, Global Head of Early Clinical Development, ADC Therapeutics*

From early development to drug registration

Francesco Trotta, *HTA and Drug Economy, Agenzia Italiana del Farmaco*

Drug evaluation criteria according to AIFA

Alberto Bresci, *Marketing Director di Abiogen Pharma SPA*

The paradigm of research in the pharmaceutical industry

10.30 - 11.00 *Coffee break*

11.00 - 13.00 *Precision Medicine in Oncology*

Chair: Gianluca Masi and Chiara Cremolini, University of Pisa

Andrea Botticelli, *University La Sapienza Rome*

Agnostic drugs' development: all roads lead to ROME

Francesco Passiglia, *University of Turin*

Comprehensive Genomic Profiling in clinical practice: where do Molecular Tumor Boards stand?

Umberto Malapelle, *University of Naples*

In blood veritas: perspectives on the present and the future of liquid biopsy

Federica Marmorino, *University of Pisa*

Immunotherapy in good and evil: the example of colorectal cancer



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13.00 - 14.00 *Lunch*

14.00 - 16.00 *Guided Poster Session*

16.00 - 18.00 *Immunology, Microbiology and Public Science*

Chair: Caterina Rizzo and Marta Mosca, University of Pisa

Rita Carsetti, *Ospedale Pediatrico Bambino Gesù, Roma*

The role of memory B cells in immunity after vaccination

Tiziana Musso, *Università di Torino*

Enhanced antimicrobial and antibiofilm effect of new colistin-loaded human albumin nanoparticles

Emanuele Montomoli, *University of Siena*

Recent updates on correlates of vaccine-induced protection

Marco Verani, *University of Pisa*

Critical needs for integrated surveillance: wastewater-based and clinical epidemiology in evolving scenarios



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May 17, 2024

08.30 - 10.30 *Recent breakthroughs in biomedical research*

Chair: Emanuele Neri and Alessandro Celi, University of Pisa

Michele Maio, *University of Siena*

Cancer immunotherapy: successes, pitfalls and future perspectives

Michele Lai, *University of Pisa*

Fighting pandemics with a CRISPR-switchable gene-editing tool

Andrea Giovagnoni, *Polytechnic University of Marche*

PET/RM

Rino Rappuoli, *Fondazione Biocentro di Siena*

Reverse genetics in vaccinology

10.30 - 11.00 *Coffee break*

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

Chair: Massimo Chiarugi and Marco Lucchi, University of Pisa

Francesco Forfori, *Università di Pisa*

Future trends in anesthesia & critical care

Franca Melfi, *Università di Pisa*

Being digital in thoracic surgery

Andrea Colli, *Università di Pisa*

Cardiac surgery innovations: basic science, engineering and clinical perspectives.

Andrea Pietrabissa, *Università di Pavia*

Sustainable surgery

13.00 - 14.00 *Lunch*



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14.00 - 16.00 *Guided Poster Session*

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

Chair: Ugo Faraguna and Vittoria Raffa, University of Pisa

Vittoria Raffa, Delegate for Research Promotion in Life Science, Pisa

Unipi promotes scientific proposal development and writing

Simona Costa, University Pisa

The guidelines of the Work Program 2025, Cluster I – Health

Viviana Marchi, IRCCS Stella Maris

Ricerca Finalizzata: an opportunity of funding research in Italy

Valentina Dini, University Pisa

Investigator initiated trials grant: an explorative journey

17.30 - 18.00 *PhD Awards and Closing Ceremony*

Con il contributo non condizionante di:

