



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*

**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**

**Alice Ravizza**, *InsideAI srl*

**From early development to registration of medical devices**

**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**

**Annalaura Carducci, *University of Pisa***

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



# UNIVERSITÀ DI PISA

**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 Biotechnopolo 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***