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E SCIENZE DELLA SALUTE
E DELLA NUTRIZIONE



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DIPARTIMENTO DI
CHIMICA E TECNOLOGIE
CHIMICHE

A Decade of PhD Program in Translational Medicine June 26th, 2025 - University Club

08:30-09:00 **Welcome and Opening**

Vincenzo Pezzi, Head of the Department of Pharmacy, Health and Nutritional Science

Stefania Catalano, Coordinator of the PhD Programme in “Translational Medicine”

Sebastiano Andò, Former Coordinator of the PhD Programme in “Translational Medicine”

“Mapping the Journey of Translational Medicine PhD Program: Current Landscape and Future Horizons”

09:00-10:30 **Session I: Challenging Horizons in Translational Medicine.**

Chairpersons: **Bagetta G.**, **Sicilia E.**, **Sirianni R.**

09:00-09:30 *“Translational approaches in neurodegenerative diseases”*. **Pierluigi Nicotera**

German Center for Neurodegenerative Diseases (DZNE), Bonn, DE; IRCCS C. Mondino Foundation, Pavia, IT

09:30-10:00 *“Weight loss and improvement in the cardiorenal metabolic syndrome: the central role of the adipocytes”*.

Philipp Scherer. Department of Internal Medicine, UT Southwestern Medical Center, Dallas, TX, USA; Director, Touchstone Diabetes Center, Dallas, TX, USA.

10:00-10:30 *“Harnessing metal complexes for biomedical applications”*. **Enrico Falcone**

Laboratoire de Chimie de Coordination, CNRS – French National Centre for Scientific Research, Toulouse, FR

10:30-11:00 **Coffee break**

11:00-13:30 **Session II. Research Contributions of PhD Students**

Chairpersons: **Sisci D.**, **Toscano M.**

11:00-11:10 *“New mechanistic insight into statins permeation across healthy and cancerous lipid membranes: a computational investigation”*. **Daniele Belletto**

11:10-11:20 *“Artificial intelligence and chemometrics in drug stability study”*. **Martina Chieffallo**

11:20-11:30 *“Developing innovative therapeutic approaches for the treatment of pain and related behavioural disorders”*.

Martina Pagliaro

11:30-11:40 *“Eutectogel-based deep eutectic solvent for enhanced release of poorly soluble/permeable drugs”*. **Roberta Sole**

11:40-11:50 *“Y537S-ERa mutant breast cancer cells promote fibroblast conversion into cancer-associated fibroblasts via yes-associated protein-1 in the tumor microenvironment”*. **Emine Tasan**

11:50-12:00 *“Recovery of plant waste material and its use in the prevention of chronic diseases such as IBD”*. **Ludovica Zicarelli**

12:00-13:30 **Poster Presentation. Selection of Award Recipients.**

13:30-15:00 **Lunch**

15:00-16:45 **Session III: Hormone-dependent Cancers: Novel Mechanisms Driving Risk and Spread.**

Chairpersons: **Cappello A.**, **Lanzino M.**, **Nicoletta F.**

15:00-15:30 *“Prostate cancer: lessons from mouse models”*. **Daniel Metzger**

Department of Functional Genomics and Cancer, IGBMC, University of Strasbourg, Strasbourg, FR

15:30-16:00 *“Antiprogesterin therapy targets hallmarks of breast cancer risk”*. **Bruno M. Simões**

Breast Biology Group, Division of Cancer Sciences, University of Manchester, Manchester, UK

16:00-16:30 *“A hybrid breast cancer/mesenchymal stromal cell population enhances metastasis”*. **Celina G. Kleer**

Department of Pathology, Rogel Cancer Center. University of Michigan, Ann Arbor, MI, USA

16:30-16:45 *“Unraveling the differentiation mechanisms from spindle to sarcomatoid components in metaplastic breast carcinomas”*. **Maria E. Gonzalez**

Department of Pathology, Rogel Cancer Center. University of Michigan, Ann Arbor, MI, USA

16:45-17:00 **Best Poster Awards and Closing Remarks**

Ines Barone, Deputy Coordinator of the PhD Programme in “Translational Medicine”



Scientific and Organizing Committee:

Stefania Catalano
Sebastiano Andò
Giacinto Bagetta
Marilena Lanzino
Rosa Sirianni
Marirosa Toscano

Diana Amantea
Ines Barone
Fedora Grande
Rocco Malivindi
Luca Gelsomino
Giuseppina Daniela Naimo

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