

IMAGING WORKSHOP'22

NEW TRENDS IN HIGH RESOLUTION PRE-CLINICAL MOLECULAR IMAGING

April 29, 2022

Pisa, Research Area of National Research Council
INSTITUTE OF CLINICAL PHYSIOLOGY



09.00 Registration

09.30 Welcome from the Organizers

Dr. Luca Menichetti, CNR – Institute of Clinical Physiology, Pisa

09.40 **EuBi – EU Research Infrastructure for Molecular Imaging**

Dr. Linda Chaabane, Director of the HUB Medical Euro-Bioimaging ERIC

10.00 **Technology versus probe development in molecular imaging**

Prof. Enzo Terreno (University of Turin)

10.30 coffee break

11.00 **Latest MiLab's technologies High-performance penta-modal tomography: integrated nuclear, optical, and x-ray CT**

Prof. Freek Beekman Ph.D. TU-Delft & MILabs

11.30 **Visualizing Neuroscience with Zebrafish**

Dr. Elisabeth Kugler, University College London

12.00 **PET is Wonderful: molecular imaging and probe development**

Dr. Adriana Tavares – Centre for Cardiovascular Science Edinburgh Imaging

12.30 **Strategies for combining imaging technologies for biodegradable magnesium implants (H2020-ITN ETN-MgSafe project)**

Eng. Valeria Grasso and Eng. Hanna Ćwieka, H2020-ITN-ETN-MgSafe

13.00 Lunch

13.40 Exposition and discussion with Sponsor

14.20 **Latest development** for FUJIFILM-Visualsonics 's technologies for photoacoustic imaging and HF-ultrasound

Dr. Peter Kesa, Center for Advanced Preclinical Imaging (Charles University, Prague)

14.50 **Biomedical optical imaging methods and the role of artificial intelligence**

Prof. Kristen Mariko Meiburger, PolitoBIOMed Lab, Department of Electronics and Telecommunications, Politecnico di Torino

15.20 **Biophotonics for molecular imaging**

Prof. Giannis Zacharakis, Lab. for Biophotonics (IESL), Foundation for Research and Technology – Hellas (FORTH) Heraklion Crete

15.50 Coffee break

16.10 **Translational metabolic imaging**

Dr. Patricia Iozzo, CNR – Institute of Clinical Physiology, Pisa

16.40 **Quantitative imaging-based metrics of atherosclerotic plaque permeability, inflammation, and immune cell trafficking in mice**

Dr. Claudia Mani, Diagnostic, Molecular and Interventional Radiology, Mount Sinai, NY (NIH)

17.10 **Technology for Molecular Imaging: Latest from Inviscan for microCT/PET**

Prof. Nicola Belcari, Department of Physics, University of Pisa

17.40 Closing Remarks Plenary discussion



REGISTER ONLINE

SCIENTIFIC COMMITTEE

Filippo Cademartiri, Clementina Manera, Francesco Faita, Claudia Kusmic,
Patricia Iozzo, Luca Menichetti, Danilo Neglia, Daniele Panetta, Debora Petroni,
Elena Petricci, Enzo Terreno

PARTNERS



UNIVERSITÀ
DEGLI STUDI
DI TORINO

inviscan
Imaging systems

MILabs
Making Molecular Imaging Clear

Assing

VISUALSONICS
FUJIFILM

The link to access the e-mail registration system is:
imagingconference@ifc.cnr.it

For questions regarding your registration,
or to modify your existing registration by phone,
please contact our Registration
Service Provider at +39 050 315 2826