

# Monday, May 5, 2025

**09:00 - 10:00 Registration 10:00 – 11:00 Opening Session**

10:00 Welcome and Institutional Greetings

10:20 Invited Talk - Speakers: Silvio Aime & Alberto Luini

11:00 - 11:30 *Coffee Break*

**11:30 - 11:50 Eurobioimaging Awards 11:50 – 13:10 Medical Imaging Session 1**

11:50 A roadmap to improve the translation of imaging biomarkers for research infrastructures (L. Menichetti)

12:10 Development of metabolic tracers: from synthetic methods to routine for PNRR SEELIFE (E. Baglini)

12:20 Metabolic imaging of microbiota and beyond: observing the invisible with PET (F. Granziera)

12:30 The instrumentation strengthening at IBSBC-CNR with PNRR SEE LIFE (S. Belloli)

12:50 Effect of air pollution on lung-brain axis using in vivo PET and ex vivo markers (P. Rainone)

13:00 Characterization of a preclinical SPECT system for theranostic applications (S. Valtorta)

13:10 – 14:30 *Buffet Lunch*

14:30 Invited Talk: The Role of Distributed Research Infrastructures in Biomedical and Biological Imaging: The Euro-Bioimaging ERIC (Linda Chaabane)

**14:50 – 16:10 Biological Imaging Session 1**

14:50 SEE LIFE at IN-CNR: strengthening Euro-BioImaging infrastructure (M. Gintoli)

15:10 2-photon imaging approach to follow Ca<sup>2+</sup> signalling dysregulation in astrocytes along the progression of Alzheimer's disease (M. Zonta)

15:30 Technical Strengthening of the Euro-BioImaging Infrastructure at IEOMI: The Contribution of the PNRR SEELIFE Project (A. C. De Luca)

15:50 Electron microscopy in the discovery of new organelles (A. Parashuraman)

16:10 – 16:40 *Coffee Break*

**16:40 - 17:40 Poster Session**

20:00 - 22:00 *Social Dinner* of the Scientific Committee

Registration for this event at this [LINK!](#)

Tuesday, May 6, 2025

**09:00 - 10:20 Biological Imaging Session 2**

09:00 Strengthening nanoscale optical imaging at Genoa site with PNRR SEE LIFE (P. Bianchini)

09:20 Single-molecule localization and MINFLUX imaging and tracking with cell-permeant dyes (P. Bianchini)

09:40 Enhancing research capabilities: facility upgrades at the European Laboratory for Non-Linear Spectroscopy (G. de vice)

10:00 High-speed, high-resolution fluorescence imaging using confocal spinning disk microscopy (I. Costantini)

10:20 - 10:50 *Coffee Break*

**10:50 - 13:00 Medical Imaging Session 2**

10:50 Real-time THz imaging of plants (A. Toncelli)

11:10 Imaging capabilities of a triple-modality SPECT/CT/OI high resolution scanner (N. Belcari)

11:30 dDNP Polarizer: a paradigm-shifting technology for metabolic MRI (S. Monti)

11:50 Molecular Imaging of vulnerable and stable plaque in mouse model of Atherosclerosis, by ultrasound and targeted contrast media (S. Albanese)

12:10 Empowering Research Services at UniTO: the Upgrade of the Center for Molecular and Preclinical Imaging (E. Terreno)

12:30 NIRF imaging for theranostic applications (M. Capozza)

12:50 Preclinical evaluation of potential new CT agents based on Bismuth and Tungsten (R.Rizzo)

**13:00 - 13:30 Closing Session**

13:00 Round table with the participation of Dompè Farmaceutici, delegates of the Ministry of Education and delegates of Eurobioimaging

13:20 *Concluding remarks*

13:30 - 14:30 *Farewell Buffet*