Euro-BioImaging ERIC – The European Research Infrastructure for Biological and Medical Imaging: general overview and presentation of the biomedical imaging Italian Nodes

Euro-BioImaging ERIC (EuBI) is the European Research Infrastructure for Biological and Biomedical imaging, Landmark of the European Strategy Forum for Research Infrastructures (ESFRI). It provides access to state-of-the-art imaging instruments and expertise, imaging-related training activities and image data services through its Nodes, imaging facilities distributed on the European territory which possess the equipment, expertise and knowhow and make them available to the scientific community. The Infrastructure is managed by the EuBI Hub, constituted by three different sites, namely: the Seat, located in Finland, responsible for legal and administrative management of the Infrastructure, and two community-specific sections, dedicated to Biomedical and Biological imaging respectively. Italy hosts the biomedical imaging section of the Hub through its legal representative entity CNR, while the biological imaging section is hosted by the EMBL (Germany). The two sections are committed to coordination of the Nodes, of the user access, of training, and to all issues which are specific for the two communities.

Besides the medical imaging section of the Hub, Italy hosts three Nodes: the multisited ALM Italian Node, specialized in biological imaging and coordinated by the Institute of Biochemistry and Cell Biology (IBBC) of CNR, the multisited Multi Modal Molecular Imaging Italian Node (MMMI), devoted to molecular in vivo imaging and coordinated by the University of Turin, and the single sited Phase Contrast Imaging Node (Elettra Sincrotrone Trieste, PCI).

This contribution will provide details about Euro-BioImaging ERIC as a whole and about the MMMI Node, which comprises 8 Centers located in Turin, Milan, Pisa and Naples, including 3 CNR Institutes, providing access to all the biomedical imaging technologies and related services, i.e. MRI, PET/SPECT, CT, US, Optical imaging, Photoacoustic Imaging, bimodal imaging associated to preparation of animal and cellular models, imaging probes and tracers, and data analysis, covering applications from the preclinical to clinical level.

References:

Keywords: Biomedical imaging, research infrastructure, user access

Contacts:
Silvio Aime (interim Director of EuBI Med-Hub): silvio.aime@eurobioimaging.eu;
Alessandra Viale (Med-Hub manager): alessandra.viale@eurobioimaging.eu;
Enzo Terreno (Coordinator of the MMMI Node): mmmi-node@unito.it
Website(s): www.eurobioimaging.eu; www.mmmi.unito.it

Other: