“The competences of Elettra Sincrotrone Trieste in the field of applied research: from the support for drug development to biomaterials”

Elettra Sincrotrone Trieste is an international multidisciplinary research center of excellence specialized in the generation of synchrotron light for applications in the field of materials sciences and life sciences. The centre hosts, together with several specialized laboratories, state-of-the-art analysis techniques based on the use of X-rays in the areas of spectroscopy, spectromicroscopy, diffraction and scattering, as well as beamlines of microscopy and radiation spectroscopy infrared and ultraviolet. The workshop will focus on the main competences and the most relevant scientific and applied research activities in the pharmaceutical, biomedical and biomaterial fields.

09:15 - "Technology Transfer Activities @ Elettra Sincrotrone Trieste"
Dr. Marco Peloi, Head of Industrial Liaison Office

09:30 - "The Protein Facility@ Elettra: a platform to support R&D"
Dr. Paola Storici, Head of Protein Facility

09:50 - "Supporting the design, development and enhancement of drugs using X-Ray Diffraction @ Elettra"
Dr. Maurizio Polentarutti, Head of XRD1 Beamline

10:30 - "Nanotechnologies for liquid biopsy: from cancer biomarkers to exosomes, potential diagnostics and drug delivery systems"
Dr. Loredana Casalis, Head of Nanoinnovation Lab

10:45 - "Biomedical Imaging with Synchrotron Hard X-rays @ Elettra: current activities and future perspectives"
Dr. Giuliana Tromba, Head of SYRMEP Beamline

11:15 - " Vibrational Spectroscopy Techniques @Elettra: from Life Science to Green Materials"
Dr. Lisa Vaccari, Head of SISSI Beamline

11:45 – “Summary and Closure"
Dr. Marco Peloi, Head of Industrial Liaison Office