

## **Advances of Bio-Medical Research with Synchrotron Radiation at Elettra**

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The complementary capabilities of Synchrotron Radiation based micro-imaging and micro-spectroscopy techniques make the characterization of a variety of biological materials possible. Biochemical, biophysical and morphological information are accessed at different levels, from a few microns down to sub-cellular scale with minimum sample preparation.

An overview of recent results obtained in this framework at the Elettra light source by the TwinMic (microscopy – XANES) station, the SSSI (infrared micro-spectroscopy), the SAXS (Small Angle Scattering) and the SYRMEP (hard X-ray imaging) beamlines is presented.

**KEYWORDS:** SR micro-imaging, SR spectroscopic micro-analysis