Federica Piccirilli is PostDoc researcher at Elettra Sincrotrone Trieste. After graduating in Physics at Sapienza University of Rome she obtained in 2012 the PhD degree in Physics at Trieste University with a thesis titled "High pressure studies on amyloid proteins". Since 2017 she works at the infrared beamline of Elettra Sincrotrone Trieste for user support activities, in house research and instrumentation development. Her field of expertise is in infrared spectroscopy, microscopy and imaging with conventional and synchrotron sources. Her interests comprehend biophysics and soft matter at extreme conditions. More recent interests are focused on the exploitation of nanoresolved vibrational spectroscopy with bench-top and synchrotron sources applied to biophysical systems and modern materials.