

## *Life Science Beamline for X-ray Absorption Spectroscopy (BioXAS) Beamlines*

The 2 beamlines of BioXAS will investigate the molecular form and microscopic location of metals in biological systems with unprecedented sensitivity. Biomedical examples include the role metals in brain diseases such as Alzheimer's, how to cure the deadly effects of toxic elements such as mercury, and improved drugs to treat cancer. Environmental research focuses on how metal contaminants affect organisms and ultimately humans. BioXAS, a phase 3 beamline, complements existing CLS life science facilities and strengthens the CLS as a global leader in life science synchrotron research.