



NanoSIMS

Objective:

Nanoscale lateral resolution imaging and secondary ion mass spectrometry for the characterization of chemical elements and their nanoscale isotopes on the surface of a sample. and/or subcellular elements in the field of life and medicine.

Themes and competences :

- Characterization & dynamics of chemical elements and isotopes
- Understanding of the fundamental processes in the fields of Environment, Energy, Materials, etc.
- Subcellular Bio-Imaging for the understanding of metabolic processes or pathways in the field of life and medicine
- -evelopment and optimization of new primary ion source for improving secondary flow and sensitivity for difficult elements.

Instruments :

- NanoSIMS, Plasma RF Ion Source
- Necessary or specific accessories for the preparation, fine cutting of samples, glove box, transport box... to be defined and later arrival.