

ECOMES

Responsible

- *  Hugues Preud'hommes

Field of applications

- * Environment
- * Food
- * Energy
- * Materials

Skills

- * Characterization of proteins associated with metals or trace elements
- * Characterization of nanoparticles and nanoplastics (food, cosmetics, environment)
- * Metal speciation (environment, oil, food, pharmaceutical)
- * Analysis of volatile compounds from the emission of materials
- * Analysis of additives, contaminants-, POPs, emerging pollutants, metabolites

Equipments

- * Triversa nano - LUMOS 1M ETD
- * UPLC2D/GC - TIMSTOF
- * UHPLC-ESI-FTMS
- * capLC-ICPMS
- * SIFTMS
- * ICP-MS
- * Laser Ablation NWR213
- * ATD GCMS
- * Metrology lab of volatile organic compounds
- * NanoLC & collector of fractions
- * GC-MS
- * DART & Pyrolyzer
- * Microtome
- * Ultracentrifuge

Technical centers

- * **FTMSBIO**: Metal, Metalloid and (Bio)molecule speciation cluster by Fourier transformed-based mass spectrometry and Ultra High Resolution.
- * **ALCOVES**: Analysis of volatile organic compounds and validation of oxidative processes for environment and health