

NOTICE BIOGRAPHIQUE

VARENNE Anne

Professor Chimie ParisTech
SEISAD, iCLeHS



Analytical chemistry, separation sciences – Microfluidics, lab-on-a-chip – Diagnosis – Applications for health, life and environment

Current Fields of Expertises

- ▣ Separation sciences, analytical methodology developments & technologies
- ▣ Hyphenation of electrokinetic separation to detections (fluorescence, mass spectrometry, electrochemistry)
- ▣ Physico-chemical characterizations in solution and at the interfaces
- ▣ Nanostructures and nanoplatfroms, biological systems (aptamers, peptide nanotubes....) & specific noncovalent complexes for their interests in electrokinetic separations, diagnostics, imaging & therapy
- ▣ Design of miniaturised total analysis systems (microfluidics, paper-PAD...) for environment and health applications
- ▣ Eco-design and recycling

Lien site académique : <https://iclehs.fr/research/seisad/>