

Posdoctoral position

Non-linear spectroscopy at liquid/liquid interfaces

Laboratoire de Spectrométrie Ionique et Moléculaire (LASIM)

Université Claude Bernard – Lyon 1 (France)

The successful applicant will develop and use surface sensitive spectroscopy experimental set-ups (surface Second Harmonic Generation (SHG), Total Internal Reflection Fluorescence) to analyze chemical equilibria at the liquid/liquid interface during an extraction process. Both static and dynamic approaches will be developed, in particular with femtosecond pump-probe SHG. You will be based in the Nonlinear Optics and Interfaces (ONLI) group at the University Claude Bernard Lyon I and carry on your research program in collaboration with teams at the ICSM Marcoule of the CEA.

You must hold a PhD in Physical Chemistry or Physics (or equivalent). This full time position is available as soon as possible for a fixed term period of 12 months with possibility for 6 months extension.

If you are interested, please send an email of interest with your CV and professional references to prof Pierre-Francois Brevet.

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