Doctoral student positions in mass spectrometry/spectroscopy of biomolecules.

Two PhD student positions are opened at LCPM, EPFL, Switzerland (group of Dr. O. Boyarkine). We use an unique combination of high-resolution mass spectrometry and cold ion UV/IR laser spectroscopy to study structure and dynamics of biological molecules and their microsolvated clusters in the gas phase. Recently invented by our group method of two-dimensional IR/UV-MS fingerprinting of cold biological ions focuses on analytical identification of drug molecules, peptides and sugars.

We are looking for highly motivated, curiosity driven students with solid education in chemical physics/biology; some experience in spectroscopy, mass spectrometry, technical design and programming is desired. The working language is English, French is a plus but not a must. Each position is for four years, starting 01.10.2017; earlier appointments are possible. Interested candidates should

(i) apply to EPFL Chemistry Doctoral school (http://phd.epfl.ch/chem-eng);
(ii) contact Dr. Oleg Boyarkine (oleg.boiarkin@epfl.ch);