

Postdoctoral position: Spectroscopy of Biological Molecules in Superfluid Helium Droplets

A 15 months postdoctoral position with possible of extension up to two years is available at CEA Saclay (IRAMIS/LIDYL), France. The postdoc activity will concentrate on two objectives using a helium droplet setup, which was designed recently to perform IR spectroscopy of molecules in the droplet environment. The first objective is to manage the necessary transformations for the present setup to be a facility, which will be accessible by several research groups within the Paris-Saclay campus. The Paris-Saclay campus is currently under development and gathers several dozens of forefront institutions such as CEA-Saclay, Paris-Sud University, Ecole Polytechnique, etc. The second objective will be to use this setup to perform the IR spectroscopy of molecules of biological interest.

Profile/ Application: Candidates should have an excellent background in physical-chemistry, molecular physics and molecular spectroscopy. Importantly she/he must have excellent skills in designing complex equipment. Of course this implies a sufficient background in IR-laser, mass spectrometry and vacuum technologies.

The PhD should be obtained less than two years before starting the postdoc. Please send, as an e-mail attachment, a cover letter stating why you are interested in this research project, a resume and the names of three referees + one reference letter.

Salary: Gross salary between 2500€ and 3300€/month depending on training and experience.

Starting date: Review of applications will begin in December 1, 2014 for a starting date before December 1, 2015.

Contact: Dr Marc BRIANT, CEA Saclay, DSM/IRAMIS/LIDYL, 91191 Gif-sur-Yvette, France, Tel +33 1 69 08 81 21, marc.briant@cea.fr