

CEA PhD fellowship in Structural Biology:

“Integrative structural biology approach for constructing large molecular complexes using atomic force microscopy and electron microscopy”

The candidate will participate in the development of a computational protocol that is able to combine multiple structural information such as 3D densities from electron microscopy (EM) and topographical data from Atomic Force Microscopy (AFM).

The “Methods and Electron Microscopy” group at the Institute of Structural Biology (IBS, Grenoble, France) is looking for a highly motivated PhD student for developing advanced integrative structural biology approaches to study biological samples.

The project is strongly interdisciplinary, at the interface between biophysics and computational sciences. The contract will be within the CEA PhD program.

The Offer:

- Full time 3 years contract, 25,000€ annual gross salary, health insurance and mobility allowance.
- Stimulating interdisciplinary research and high quality scientific environment
- Starting date: From September 2017.

The Requirements:

- “Master 2” degree awarded by a university or a diploma authorizing them to register for a PhD from a doctoral school
- Less than 25 years of age.
- Experience in structural biology, image processing knowledge appreciated.
- Good level of English and communication skills.
- Computer literacy will be positively considered.

Qualified applicants should send a cover letter, CV, and the names of two references by email to Jean-Luc Pellequer (jlpelequer@cea.fr) or Leandro Estrozi (Leandro.estrozi@ibs.fr).