

## CEA Grenoble research position: biophysicist, multiscale analysis of biological assemblies

### Hosting laboratory:

SYMMES is a joint laboratory between CEA (Alternative Energies and Atomic Energy Commission), CNRS (National Centre for Scientific Research) and University Grenoble-Alpes (France). Multidisciplinary competencies from physicists, chemists, biochemists and biologists are gathered to develop fundamental research in the fields of technologies for health and new renewable energy technologies. In Grenoble, SYMMES benefits from an extremely rich scientific environment:

- Inac, a basic science oriented research Institute, hosts 5 laboratories, including SYMMES. With 480 researchers, PhDs and postdoctoral fellows and technicians. Inac offers 1<sup>st</sup> class - owned or shared - facilities to support research programmes, including facilities for advanced characterization, bio-inspired technologies, and clean rooms.
- Inac and SYMMES are located on the Giant Campus, and find here an exceptional scientific environment with on-site partners such as CEA-LETI Institute (Information and Health technologies), CEA-Liten Institute (technologies for new energies), Big (Biosciences and biotechnologies of Grenoble), IBS (Structural Biology Institute), large European instruments ESRF (synchrotron) and ILL (neutrons) as well as numerous laboratories from CNRS, Grenoble Alpes University and Grenoble INP.
- Grenoble site has been recently awarded a national Excellence Initiative, and focus on 4 main scientific challenges, including “health, well-being and technology”, building upon numerous research teams on Giant and Saint Martin d’Hères campus.

### Position description:

The position aims at strengthening the CREAB team (Chemistry for the Recognition and Study of Biological Assemblies). The applicant should own a PhD degree in Physics with typ. 2-6 years of additional research experience. He should have successfully carried out research at the interface between physics, chemistry and biology. Skills and knowledge in microfluidics and microsystems, nanostructuration and characterisation of biofunctionalized surfaces would be appreciated. International experience is highly desirable.

The successful candidate will be expected to propose and develop innovative research in the field of biosensors and microarrays for the analysis of biological interactions implying targets of various scales from biomolecules to cells or bacteria. A significant part of his research activity will be devoted to valorisation programs performed with relevant laboratory partners. He should have good interpersonal and communication skills, and team work abilities, to engage in joint projects with other SYMMES and Inac researchers.



### Additional information:

This offer corresponds to a permanent position at the French Atomic and Alternative Energy Commission (CEA, [www.cea.fr](http://www.cea.fr)). Offered salary depends on experience.

Candidates are requested to send by email a letter of application and a detailed CV to Dr Arnaud Buhot, head of CREAB team: [arnaud.buhot@cea.fr](mailto:arnaud.buhot@cea.fr)

**Deadline for application: September 14<sup>th</sup> 2016**

Selected candidates will then be called for an interview in Grenoble end of September 2016.

Start date is expected before end of 2016.

**Useful webpages:** [inac.cea.fr](http://inac.cea.fr)

[www.giant-grenoble.org](http://www.giant-grenoble.org)

[www.communaute-univ-grenoble-alpes.fr](http://www.communaute-univ-grenoble-alpes.fr)

