



## Postdoctoral position in biophysics

Curie Institute - Research center

Physical Chemistry of the cell unit (UMR168)

We are seeking a motivated postdoc to join our effort of building novel microscopy approaches and application in biophysical studies of the nucleus. The project will be developed in the “Light-based Observation and Control of Cellular Organization” (LOCCO) team, a research group headed by Maxime DAHAN and with renowned experience in developing advanced tools for single molecule imaging and successful application in studying the dynamics and organization of nuclear factors. The group is a part of Physical Chemistry Unit which gathers physicists and biologist to work on interdisciplinary approaches to study various biological processes from molecular level to population level.

The project aims to develop advanced microscopy tools based on 3D imaging of single molecules organization and orientation using multi-focus microscopy. Combined with advanced fixation methods at different stages of cell cycle, the new approach will serve to reveal the evolution of nucleosome and DNA organization near transcription sites.

The project will be developed in close collaboration with onsite groups, national labs and international ones. The candidate will have access to the technological platforms of the research unit as well as nearby institutions. He or She will have the opportunity to interact with the rich scientific environment of Curie Institute and the surrounding research centers.

The applicant should have a PhD in biophysics, Physics, Optics or another relevant field for the subject. Previous experience in one of the following fields is preferable: single molecule imaging, Super-resolution, optical instrumentation, biophysics... The salary depends on the experience of the candidate and the contract duration will be defined at a later stage.

A description of the different research activities of the group is found here: <https://science.institut-curie.org/research/multiscale-physics-biology-chemistry/umr168-physical-chemistry/team-dahan/>

For further information and for application, interested candidates are invited to send a motivation letter and a CV to: [bassam.haji@curie.fr](mailto:bassam.haji@curie.fr)

