Post-doc Position

Biophysical study of the role of septin: dynamics and organization

Curie Institute – research Center
Sorbonne Université

We are seeking a motivated Post-doc to join our lab to work on the role of septins as a diffusion barrier and its structure.

**Activity:** The candidate will carry-on this research by a bottom-up approach combining model in vitro-system and single molecule optical imaging. Correlative Electron and super-resolution imaging will be also developed. Under the supervision of the project leaders he or she will have to analyze single molecule data, put in place a pipeline for image analysis, and work in close collaboration with PhD students and other researchers of the institute.

**Context:** The project will be developed in collaboration with 3 different researchers in the unit, with renowned complementary experience. The different teams are a part of Physical Chemistry Unit (Curie/CNRS/Sorbonne Université) which gathers physicists and biologist to work on interdisciplinary approaches to study various biological processes from molecular level to population level. A description of the different research activities and skills of the group can be found on the unit website: [https://science.institut-curie.org/research/multiscale-physics-biology-chemistry/umr168-physical-chemistry/](https://science.institut-curie.org/research/multiscale-physics-biology-chemistry/umr168-physical-chemistry/)

The candidate will work in close collaboration with onsite groups, national labs and international ones. He or she will have the opportunity to interact with the rich scientific environment of Curie Institute and the surrounding research centers.

**The contract:** We are offering a one-year work contract. The contract could potentially be extended by applying to National and International grant. The contract grants access to the French social security health system.

**Requirements:** If you have experience in electron microscopy, fluorescence microscopy or image analysis, a background in physics or biophysics and a lot of curiosity send us your application (motivation letter and a CV): aurelie.bertin@curie.fr, Bassam.hajj@curie.fr and stephanie.mangenot@curie.fr.