

# Post-doc position molecular biologist - Biochemistry Laboratory

<https://wwwdev.spip.espci.fr/fr/espci-paris-psl/emploi/2015/post-doc-position-molecular-biologist-biochemistry>

## Laboratoire d'accueil :

The École Supérieure de Physique et de Chimie Industrielles de la Ville de Paris (ESPCI ParisTech) is both a Grande École d'ingénieurs and a research institute (17 laboratoires) with a strong international reputation (6 Nobel Prizes). ESPCI is a highly multidisciplinary environment with teaching and research in physics, chemistry and biology. The Laboratory of Biochemistry at ESPCI ParisTech, directed by Prof. Andrew GRIFFITHS, seeks to recruit a post-doc with experience in molecular biology. The successful candidates will join a highly multidisciplinary team, with experience spanning biology, chemistry and physics. The projects of the laboratory are based around droplet-based microfluidics, a powerful new ultrahigh-throughput system in which reaction volumes can be miniaturized by up to a million-fold compared to conventional assays in microtitre plates. This opens up exciting prospects for the development of extremely innovative systems with many applications in the Life Sciences.

## Sujet du postdoc :

We are seeking a highly motivated post-doc to validate the use of droplet-based microfluidics and next generation sequencing for quantitative detection and characterisation of mutations in circulating tumor cells.

## Compétences requises :

The candidate should possess a PhD in molecular biology and be interested in learning how to use microfluidics systems and adapt them to the project needs. Experience in following areas would be an asset (not mandatory) :

- ◆ Single-cell assays
- ◆ Illumina sequencing Flexibility, autonomy, the ability to work in a highly multidisciplinary team and good interpersonal skills are essential.

## Contact

Prof. Andrew GRIFFITHS Laboratory of Biochemistry ESPCI ParisTech Candidatures (lettre de motivation et CV) à transmettre par courrier électronique. Address your applications (CV + cover letter) to : [job-lbc@espci.fr](mailto:job-lbc@espci.fr)

## Accès

Métro ligne 7 (Place Monge/Censier Daubenton) RER B (Luxembourg) Bus 21, 27 & 47 3 stations Vélib proches