

Doctorant (F/H) - CDD de trois ans - Laboratoire de Nanobiophysique : Optical tweezers studies of RNA/protein interactions in ribosome assembly

<https://www.espci.psl.eu/fr/espci-paris-psl/emploi/archives/2014/doctorant-f-h-cdd-de-trois-ans-laboratoire-de-5373>

Laboratoire d'accueil :

Laboratoire de Nanobiophysique, ESPCI 10 rue Vauquelin 75005 Paris

Sujet de thèse :

Optical tweezers studies of RNA/protein interactions in ribosome assembly

Thématique de recherche :

The present project focuses on the ribosome, the RNA-protein complex (RNP) responsible for protein synthesis in all organisms. The aim is to study ribosome assembly at a single molecule scale. The large subunit of the E.coli ribosome results from the stoichiometric assembly of two rRNA species, and 34 r-proteins. This assembly is highly cooperative in vivo and in vitro. However, the molecular basis for the cooperativity remains largely unknown.

Contact

Nom : Florence Boulogne Responsable Ressources Humaines Mail : recrutement@espci.fr Candidatures (lettre de motivation et CV) à transmettre par courrier électronique.

Accès

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