

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

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## 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

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## Accès

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