

Postdoctoral Position in Single-Molecule Imaging of RNA–Protein Interactions

A postdoctoral position is available in the lab of Sora Yang at the Institut de Génétique Humaine (IGH), Montpellier, France.

Our lab investigates molecular mechanisms of gene expression through RNA–protein interactions in living cells, with a particular interest in mRNA translation. We develop and apply advanced live-cell fluorescence imaging approaches to investigate molecular processes at the single-molecule level.

The project will explore new strategies to study RNA–protein dynamics in living human cells using quantitative imaging approaches. This project builds on recent methodological and biological advances, including the development of nanostructure-based imaging approaches such as Zero-Mode Waveguides (*ACS Nano*, 2023) and recent work on translation dynamics (*Cell*, 2025).

The postdoctoral researcher will contribute to the development and implementation of advanced live-cell imaging experiments to investigate RNA–protein dynamics. This project will be carried out in a highly collaborative environment, with close interactions with local imaging and nanofabrication platforms and neighboring research groups at IGH and across the Montpellier BioCampus.

The IGH is a leading international research institute affiliated with CNRS and the University of Montpellier. The institute provides access to state-of-the-art imaging facilities and offers strong local collaborations in RNA biology, biophysics, and nanotechnology.

We are looking for a motivated candidate with a PhD in biophysics, molecular biology, or a related field. Experience in fluorescence microscopy or quantitative imaging approaches would be an advantage.

For consideration, please send a single PDF that includes a CV, a cover letter briefly highlighting previous research accomplishments and future research goals, and contact information for two to three references to: Sora Yang (sora.yang@igh.cnrs.fr).

Additional details about the position and the application procedure are available at: <https://euraxess.ec.europa.eu/jobs/417402>

