We are looking for a highly-motivated **Post-doctoral Research Scientist** with knowledge in the fields of mRNA metabolism and localization to join the team “RNA biogenesis and genome homeostasis” led by Benoit Palancade at Institut Jacques Monod (https://www.ijm.fr/en/975/equipes/rna-biogenesis-and-genome-homeostasis.htm).

Current work in the lab aims to uncover **novel cis- and trans- acting regulations targeting mRNA metabolism**, to decipher their impact on gene expression patterns and genomic integrity, and to further unravel the spatial organization of these processes. We recently reported that a subset of mRNAs encoding nuclear proteins are translated at nuclear pore complexes in budding yeast (exemplified in the image opposite; Lautier et al., 2021). In this frame, the proposed project will explore the **molecular mechanisms underlying mRNA translation at nuclear pore complexes** (NPCs), and determine the impact of localized protein synthesis on the dynamics of the nuclear proteome. For this purpose, the Post-doctoral fellow will combine transcriptome-wide approaches with mechanistic studies based on yeast imaging and molecular biology/biochemistry techniques. They will benefit from a highly dynamic scientific environment and have access to the leading-edge core facilities available at IJM (including proteomics and imaging).

**Qualifications**

The applicant must have a PhD in biological or biochemical sciences and demonstrable experience in molecular biology and biochemistry. Previous expertise in **mRNA biology, yeast** models or bioinformatic analyses of **transcriptomic** data will be greatly appreciated. Strong organizational and team working abilities to take projects from conception to completion, as well as verbal and written communication skills in English will be required (French is not mandatory). The CV and publication record of the applicant should be competitive for national/international post-doctoral fellowships.

**Application details**

The position is fixed term for 2 years with the eventuality of an extension, and can start at any time after September 1st 2021. Applications including a CV and a cover letter summarizing current and future research interests, in particular regarding the proposed project, as well as the contact details of 2 referees, should be submitted through the Emploi CNRS web portal (https://bit.ly/3vJkrVr), but preliminary inquiries and additional information can be discussed by e-mail to benoit.palancade@ijm.fr.

**Selection of publications** from the host lab


