



ERC-funded postdoctoral position at the Panasyuk Lab (Paris, France) (m/f/d)

Location: Laboratory of Nutrient Sensing Mechanisms, Institute Necker Enfants Malades (INEM), Paris 75015, France

Contract: two-year contract with a possibility of further extension

Salary: competitive, subject to skills and experience

We are looking for motivated postdoctoral researcher to join the Panasyuk Lab at the Institut Necker Enfants Malades, Paris, France.

Our lab studies the mechanisms of how cells orchestrate their metabolic activities depending on nutrient availability in their environment. We developed a strong expertise in ancient lipid kinase nutrient sensors class 1 and class 3 PI3K signalling (*Nemazanyy EMBO MM, 2013; Nemazanyy Nature Comm, 2015; Patitucci JCI, 2017; Iershov Nature Comm, 2019; Alkhoury, Henneman Nature Cell Biology 2023*). Our lab provides a stimulating environment of curiosity, enthusiasm, fun, and ambition to perform top-tier science. For more information on the lab visit www.panasyuklab.fr

Your mission will be to develop an exciting project aiming to map the mechanisms of how nuclear class 3 PI3K controls gene expression in response to different nutrient stresses. As a postdoctoral candidate you will have a large freedom to develop your ideas within this theme-frame. We invite applications from individuals with a solid background in genomic/transcriptomic analyses including hands-on expertise with ChIP-Seq or Cut&Run and RNA-Seq approaches (from sample preparation to bioinformatic pipeline implementation). As a successful candidate you should have an experience in dissecting regulatory mechanisms in cell models and translating your findings to *in vivo* models (a prior experience and a license for animal work is an advantage but the training will be also available on site). This project is for you if you like taking the lead on a challenging question that aims for a high impact. To excel in this project, you should have excellent communication skills, collaborative mindset, ability to effectively prioritize, multi-task, work independently with a strong work ethics. As we are an international lab, proficiency in English language is a requirement. The project will be carried out in a dynamic international environment with scientific and clinical collaborations spanning from our local Necker Hospital campus to the international level.

Prerequisites: You have PhD or equivalent qualification in a relevant area (or you are in the final stages of thesis completion). You are interested in combining the bioinformatics approaches with wet lab experimenting. You are driven by mechanistic studies on a crossroad of the fields of signal transduction, cell biology, metabolism and you are keen to see the impact of your mechanistic findings *in vivo*.

We offer: Our team is proud to belong to INSERM which is a world acclaimed public institute for fundamental and translational medical research. INSERM provides an inclusive and equal opportunity environment with attractive infrastructure and a collegial working atmosphere. INSERM offers a wide array of courses and training opportunities (novel methodologies including bioinformatics, statistics, coding, animal experimentation, French language, soft skill development, career development etc) as well as support for public transportation fees and subsidy for holiday child care. Our lab is based in central Paris on a campus of internationally renowned Necker Hospital. Our lab fully explores exceptional translational opportunities of Necker campus, such as close working relationships with the Clinical Biochemistry and Hepatobiliary disease units of Necker Hospital, and tight interaction with rare disease patient associations. We belong to a multidisciplinary international research centre of molecular medicine – the Institut Necker Enfants Malades (INEM, <https://institut-necker-enfants-malades.fr>) which is located in newly refurbished premises of Paris Descartes University Medical School. INEM provides excellent institute infrastructure (modern spacious lab layout, library, on-site restaurant and gym for staff) as well as access to 17 on-site state-of-the-art core facilities, all promoting an engaging international work environment to conduct collaborative translational research.

Contact & Application

To apply, please email to panasyuklab@gmail.com a single PDF file with following information:

- your motivation letter explaining your interest in joining us (max 1 page)
- your narrative CV outlining your training, your achievements including a highlight of your most important publication (max 2 pages)
- contact details of at least 2 referees preferably from your previous mentors

The pre-selected candidates will be interviewed by Skype/Zoom and invited to visit our lab.
The earliest starting date is 1 October 2023 (could be negotiated).