



European
Research
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Institut Necker Enfants Malades
Centre de Recherche



Inserm

La science pour la santé
From science to health



Université
de Paris

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

Location:

Laboratory of Nutrient Sensing Mechanisms,
Inserm U1151/CNRS UMR 8253, Institute Necker Enfants Malades (INEM), Paris, France

Contract: one-year contract renewable for 3 years with a possibility of further extension

Salary: competitive, subject to skills and experience

We are looking for motivated postdoc to join the Panasyuk Lab at the Institut Necker Enfants Malades at INSERM U1151, Paris, France. The general interest of our lab is to understand how cellular nutrient sensing mechanisms govern whole body metabolic balance. In our work, we focus on the ancient nutrient sensors class 1 and class 3 PI3K signalling (*Nemazany EMBO MM, 2013; Nemazany Nature Comm, 2015; Patitucci JCI, 2017; Iershov Nature Comm, 2019*). We employ this novel knowledge to understand metabolic adaptation in physiology and explore its importance for treatment of metabolic diseases. We combine cell biology, metabolomic, gene expression approaches together with human and mouse genetics. 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

Within the framework of an ERC Consolidator grant, **Your mission** will be to develop an exciting translational project aiming to explore the novel roles of class 3 PI3K, by far best known for its roles in governing vesicular trafficking and autophagy, in control of cellular metabolism and its implication in hepatobiliary diseases. For this translational project, we invite applications from individuals with a solid background in cell biology and extensive expertise in employing cellular and animal models of diseases. The experience in human genetics is a bonus. As a successful candidate you should have a strong expertise in dissecting regulatory mechanisms and translating your findings to *in vivo* models (a license for animal work is an advantage but the training will be also available on site). Prior first-hand experience with genetic engineering technologies (such as CRISPR/CAS9), as well as molecular and cellular biology approaches (RNA-Seq, epigenetics, microscopy, organoid models) is an advantage. This project is for you if you like taking the scientific and experimental lead on a challenging question that aims for a high impact. The project will be carried out in a dynamic 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 be in the final stages of completion). You are interested in mechanisms of nutrient sensing, cell biology, metabolism and keen to see the impact of your mechanistic findings *in vivo*. You are excited by biological discoveries, and you are trustworthy team player with the ability to work with others in a collegiate, and collaborative environment. To excel in this project, you should have excellent communication skills, ability to effectively prioritize, multi-task and work independently with a strong work ethic. As we are an international lab, proficiency in English language is a requirement.

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, 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 send to Dr. Ganna PANASYUK at ganna.panasyuk@inserm.fr a single PDF file named “POSTDOC_YOUR NAME” with following information:

- a brief motivation letter outlining your previous experience and your interest in joining us (max 1 page)
- a detailed CV that should include the reference to your at least one first-author publication (max 2 pages)
- contact details of at least 2 referees preferably from your previous mentors

Applications will be considered until we find a suitable candidate. The selected candidates will be interviewed by Skype/Zoom and invited to visit our lab. The earliest possible starting date is 1st November 2021.