



Institut Necker Enfants Malades  
Centre de Recherche



## Postdoctoral position available in Autophagy, cell biology and renal physiology

A two years postdoctoral position is available for a highly motivated Ph.D to work on the role of autophagy in kidney epithelial cell homeostasis. Our lab is currently interested in the mechanisms by which autophagy integrates fluid shear stress in kidney epithelial cells (for example of our recent publication on the subject see: Orhon et al 2016 Nat Cell Biol 18, 657-67; Miceli C et al, Nat Cell Biol., 2020, 22:1091-1102, Boukhalfa A, et al. Nat Commun. Jan 15 2020;11(1):294. To carry out this project, biochemical, cellular and microfluidic approaches will be implemented in the laboratory as well as *in vivo* animal (mouse and zebrafish) models and human tissue samples in collaboration with the Necker Hospital.

Candidates with a Ph.D in molecular and cellular biology or in physiology obtained during the past four years and with experience in the fields of autophagy, cell signaling, kidney physiology, zebrafish model (not mandatory) are encouraged to apply. The position is available starting on January 1<sup>st</sup>, 2024 (the salary is in accordance with Inserm guidelines).

The host team is part of the Cell Biology Department of the *Institut Necker-Enfants Malades (INEM)*, created in January 2014. INEM is an international biomedical research center located on the Necker campus (downtown Paris), and supported by the INSERM, CNRS, and the Paris Cité University. The Necker campus encompasses as well the Hospital Necker-Enfants Malades (one of the main nephrology centers in France) and the Imagine Institute, devoted to genetic diseases study. Moreover, the Necker campus and INEM benefit from several core facilities (animal facility together with an aquatic zone devoted to zebrafish, histology, flow cytometry, imaging, genomics, bioinformatics, proteomics, viral production and metabolomics).

<https://www.institut-necker-enfants-malades.fr/index.php>

[https://www.researchgate.net/institution/Institut\\_Necker\\_Enfants-Malades](https://www.researchgate.net/institution/Institut_Necker_Enfants-Malades)

Please send a concise cover letter with statement of research interest and summary of previous research activity, detailed *curriculum vitae* and two reference letters to Nicolas Dupont, INEM-INSERM U1151, 156 Rue de Vaugirard - 75015, Paris Cedex 14, France.

**Contact:** [nicolas.dupont@inserm.fr](mailto:nicolas.dupont@inserm.fr)