



PhD position available in Autophagy, cell biology and physiology

In the frame of Innovative Training Networks (ITN) (Drive consortium), a **3-years PhD position** is available for a highly motivated student* to work on the role of autophagy in kidney epithelial cell homeostasis. We study the mechanisms by which autophagy integrates fluid shear stress to control cell size in a cell autonomous and non-cell autonomous manners. For example of our recent publication on the subject see: Orhon, Dupont et al 2016 Nature Cell Biology 18, 657-67.

Candidates with backgrounds molecular and cell biology or in Physiology and with experience in the fields of autophagy, cell signaling, kidney physiology, zebrafish model (not mandatory) are encourage to apply. Salary is according to the guidelines of the ITN network. The position is available as soon as possible

The host Institute: “The Institut Necker-Enfants Malades” The Institut Necker-Enfants Malades (INEM), created in January 2014, is an international biomedical research centre located on the Necker campus, and supported by the INSERM, CNRS, and the University Paris Descartes. The Necker campus encompasses the Hospital Necker-Enfants Malades and two research institutes, the Institut Imagine, devoted to genetic diseases (www.institutimagine.org/en/) and the Institut Necker-Enfants Malades (www.institutnecker-enfants-malades.fr) (>250 persons working in life science, metabolism, immunology, infectious diseases and biomedical research). The Necker campus benefits from several core facilities shared by INEM and the Institut Imagine (animal facility together with an aquatic zone devoted to zebrafish, histology, flow cytometry, imaging genomics, bioinformatics, proteomics, viral production and metabolomics).

Forward a concise cover letter with statement of research interest and summary of previous research activity, curriculum vitae and two reference letters to Patrice Codogno and Nicolas Dupont, INEM-INSERM U1151, 14 rue Maria Helena Viera Da Silva CS61431-75993 Paris Cedex 14 France. E-mails : patrice.codogno@inserm.fr, nicolas.dupont@inserm.fr

*** Eligibility will be checked based on the following cumulative criteria:**

a) **Applicants Career Stage:** Only Early Stage Researchers (ESR) can apply, that is, researchers of any nationality who, at the date of recruitment by the partner of DRIVE have not yet been awarded a doctoral degree and are in the first 4 years of his/her research career, counted from the date he/she obtained the degree that allows him/her to embark in a doctoral degree. Date of Recruitment means the first day of the employment of the researcher for the purposes of this project (i.e. the starting date indicated in the employment contract or equivalent direct contract).

b) **Mobility:** Applicants are required to undertake physical, transnational mobility (i.e. move from one country to another). That is, at the date of recruitment, the researcher must not have resided or carried out his/her main activity (work, studies, etc.) in the country of the partner of DRIVE he/she is applying for, for more than 12 months in the 3 years immediately prior to the his/her recruitment under the project. Compulsory national service, short stays such as holidays, and time spent as part of a procedure for obtaining refugee status under the Geneva Convention are not taken into account. For international European interest organisations or international organisations, recruited researchers must not have spent more than 12 months in the 3 years immediately before the recruitment date at the same appointing organisation.