

Postdoctoral fellowship ATIP-AVENIR

Employer

INSERM UMR_S1155, Paris, France

Principal Investigator: Pierre Galichon, MD, PhD, pierre.galichon@sorbonne-universite.fr

Job description

ATIP-AVENIR is a Research program led by the two national Institutions for Research in France, INSERM and CNRS. It supports the creation of ca 20 new, independent research teams per year and provides funding for the principal investigator, a postdoctoral fellow and operational costs. The research team is hosted in a research unit (INSERM UMR_S1155) that provides space, equipment and logistic support.

The postdoctoral fellowship is granted for 2 years. It includes:

- gross salary of 2,620 €/month (up to 2 years after PhD) to 3,006 €/month (2-4 yrs post PhD).
- major part in a promising scientific project with opportunities for publications and intellectual property.
- close mentoring by the Principal Investigator and interactions with other prestigious senior researchers in the lab.
- personalized career development plan and a training program to modern, transferable experimental techniques.
- being a member of a young and motivated research team

Candidate requirement

PhD certificate

Motivation, team spirit, curiosity

Experimental skills including animal experimentation and molecular biology.

Many techniques will be used (microscopy, flow cytometry, protein analysis and purification)

Experience in ChIP-seq will be highly valued

About the employer

The project is to demonstrate the importance of energetic homeostasis in acute kidney injury and to test a therapeutic strategy to improve the outcome of acute kidney injury. The project includes mouse models of acute kidney injury for the phenotypic study and drug development, a mechanistic study on a pathway involving cell culture, molecular biology techniques (including ChIP-seq and Crispr/Cas9), and live fluorescence microscopy.

In addition to the proposed postdoc position, the team will start with the PI, a Master 2 student and a part-time research engineer.

INSERM UMR_S1155 is one of the leaders in the field of kidney diseases. It employs 80 persons, including biologists and nephrologists, working on the pathophysiology of acute and chronic kidney diseases. It has a complete panel of state-of-the-art research equipment with:

- animal facility for rodents, surgery, live imaging and hemodynamic assessment in rodents
- 3 L2 cell culture units
- pathology and imaging with sample processing and histology staining, optical and fluorescence microscopy (including a confocal), electronic microscopy, and flow cytometry
- molecular biology equipment for RT-PCR, NGS, bacterial culture, cloning, crispr/cas9.