



Postdoctoral position at the Institute of Neurophysiopathology (INP) Marseille

A 3-year full-time postdoc position is open at the Institute of Neurophysiopathology (INP) (<https://inp.univ-amu.fr>), CNRS/Aix-Marseille University to study pathogenic mechanisms of Alzheimer's disease. The project should start in spring 2021.

The pioneering work from Dr. Rivera and Dr. Khrestchatsky's teams suggests that metalloproteinase MT5-MMP could be a novel target in Alzheimer's disease. The project includes the study of the mechanisms of action involved in the detrimental effects action of MT5-MMP and the identification of molecules that may antagonize such effects in cells and mice. We will use heterologous cells, iPSC-derived neural cells and transgenic Alzheimer mice, as well as AAVs, conjugated peptide vectors/biomolecules and phenotypic cell/tissue analysis, using approaches of molecular and cell biology, biochemistry, advanced microscopy and histopathology.

Requirements:

- Hold a PhD in neuroscience, biotechnology or pharmacological sciences.
- Be highly motivated and qualified, with skills in cell and molecular biology, biochemistry and imaging analysis. Complementary knowledge in neurodegenerative diseases and skills in data management will be also appreciated.
- Excellent oral and written communication skills in English.
- Leadership, organizational and social skills to work in groups and independently.

The INP offers an internationally competitive environment with state-of-the-art facilities shared with the biotechnology company Vect-Horus. The postdoc will be co-supervised by Dr. Santiago Rivera and Dr. Michel Khrestchatsky and will also work in interaction with the scientific and technical staff of Vect-Horus. The project will be developed at the Faculty of Medicine, a few kilometres from the Calanques National Park and the charms of Provence.

Salary & benefits: between 24 and 30 k€/year depending on experience; full health and social coverage.

Please, send a PDF file with a CV, a cover letter indicating major interests and research experience, a list of publications and 3 reference letters or contact information of former supervisors to Dr. Santiago Rivera santiago.rivera@univ-amu.fr. Deadline: March 20th.