



MUSEUM NATIONAL D'HISTOIRE NATURELLE  
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE  
UMR7221 Molecular Physiology and Adaptation



## Post-Doctoral position offer in Developmental Neurobiology

### Description of the project

The research conducted by our group focuses on the study of neuropeptides in the urotensin II (UII) family. They aim to better understand the functions exerted by these peptides and to characterize more finely the neurons that produce them, especially those located in the spinal cord. For this, we use zebrafish as a study model.

In recent months, we have generated a series of transgenic fish reporter lines labeling the neurons that produce peptides of the UII family. These lines will be used to develop two projects:

- 1) to determine the origin of the UII-ergic neurons and to characterize the networks in which they take place in the embryo and then the zebrafish larva
- 2) to isolate these neurons by FACS in order to establish their transcriptome.

The candidate to be recruited will participate in each of these two projects.

### Candidate profile

The candidates should be highly motivated and able to work both independently and in a collaborative environment, with a strong commitment to achieving assigned objectives. The successful candidate will have a good background in neuroscience and / or developmental biology. An experience in imaging and FACS will be appreciated, as well as a familiarity with the zebrafish model.

### Appointment

The position is temporary for 1 year but may be extended pending on grant applications.

### Net salary

2360 euros/month

### Starting date

January 2020

### Applications

To apply, please send your CV, motivation letter stating your research interests/plans and the names/contact information of 2/3 referees to [htostivi@mnhn.fr](mailto:htostivi@mnhn.fr)