



Postdoc position 1 to 3 years

Understanding The Role Of Environmental Cues On Body Axis Formation



We are looking for a motivated scientist to join the **Guillot lab** for his/her/their postdoctoral research at the iGRéD in Clermont Ferrand, France. This project is funded by the **Junio Professor chair INSERM/UCA**.

The position represents an exciting opportunity to use and develop novel cutting-edge technologies in a vibrant and dynamic research environment at the Institute of Development, Reproduction and Genetics iGRéD. Specifically, our project will focus on studying the role of environmental cues on body axis formation in vertebrates.

CANDIDATES' PROFILE

- Motivated, Dynamic & Multidisciplinary backgrounds preferred
- Interested in quantitative Biology
- Attracted to developing cutting edge techniques and skills
- Team oriented

TO APPLY please send the following documents to :

Charlene.Guillot@uca.fr

- Cover letter
- CV with major accomplishments

Deadline June 2024

PROJECT: The trunk and tail body segments form in vertebrates from the constant addition of new progenitors from the posterior end of the embryo, where reside the NeuroMesodermal Progenitors (NMPs). The recent identification of NMPs as a unique cell type able to give rise to neural and mesodermal body axis tissues open new avenues to study body axis formation. Using the chick model, we provide a novel framework to study the transcriptomics, dynamics, and fates of the NMPs with a single-cell resolution *in vivo*. We will apply these methods in environmentally-challenged conditions to decipher the role of environmental cues on body axis formation.

Guillot et al., eLife 2020

Current opinion in cell biology, 2021

DOI: [10.1016/j.ceb.2021.08.003](https://doi.org/10.1016/j.ceb.2021.08.003)

HOST INSTITUTE: The GRéD institute (www.gred-clermont.fr) is scientifically vibrant, interdisciplinary and study the genetic and epigenetic control of normal development and pathological states.

We are located next to the Chaîne des Puy – Limagne listed at the UNESCO World Heritage Site.

