

Master 2 Research Internship – Neuroscience / Neuroendocrinology

Laboratory of Molecular Neuroendocrinology of Reproduction, INRAE Centre Val de Loire,
Nouzilly, France

We are seeking a highly motivated master student with knowledge in neurosciences and/or endocrinology to join an ANR funded project led by Dr. Vincent Hellier in the laboratory of Molecular Neuroendocrinology of Reproduction at INRAE Centre Val de Loire (Nouzilly).

Project

The project investigates how olfactory cues influence female reproductive function through a specific population of kisspeptin neurons located in the medial amygdala (MeA). These MeA^{KP} neurons are hypothesized to act as a neural interface between sexual olfactory information and the central control of reproduction, integrating sensory cues with the animal's hormonal and reproductive state.

The project aims to characterize the anatomical organization of the MeA^{KP} neural circuitry, determine how these neurons respond to olfactory stimuli, and assess their contribution to reproductive behavior and gonadotropin secretion. Particular emphasis will be placed on how this circuitry is modulated across the female reproductive states.

Using transgenic mouse model, the study combines viral tracing, stereotaxic injections and histology.

Profile:

- Candidate from a master degree in Biology, Neurosciences or a related field. Knowledge in neuroendocrinology or neurosciences is preferred.
- Candidate able to work both independently and as part of a team.
- Candidate with time-management skills who can effectively prioritize tasks, maintain meticulous research records, who is reliable, dynamic and motivated,

Application

Send a curriculum and a motivation letter to vincent.hellier@inrae.fr