



**Post-doctoral fellowship in Behavioral Neuroendocrinology**  
Laboratory of Neuroendocrinology, GIGA Neurosciences  
University of Liège, Belgium

We are seeking a highly motivated post-doctoral researcher with experience in neurodevelopment and endocrinology and an interest in working on non-classical animal models to join the Behavioral Neuroendocrinology team led by Dr Charlotte Cornil in the Neuroendocrinology laboratory at GIGA Neurosciences. The successful candidate will be part of a local research unit composed of three teams led by Drs Julie Bakker, Anne-Simone Parent and Charlotte Cornil analyzing the impact of developmental exposure to endocrine disrupting chemicals (EDC) on the neurocircuits underlying sexually differentiated physiological and behavioral endpoints (a total of three post-doctoral fellowships are available). He/she will *de facto* be part of the international and interdisciplinary MERLON consortium funded by a Horizon2020 grant aiming to decipher the impact of EDC on sexual differentiation and develop new novel approaches models to study EDC.

**Tasks**

The main task will be to evaluate the impact of EDC with estrogenic properties on the embryonic development of the genital tract and brain of Japanese quail as well as their impact on adult behavior. Mechanistic studies aiming at understanding how estrogens program the brain and behavior in this animal model (with a particular interest in the interaction between the neuroendocrine and neuroimmune systems) and the impact of EDC on this interaction will also be pursued.

**Education and expertise:**

The candidate should hold a PhD in neurosciences or a related field. A strong background in neuroendocrinology as well as prior experience with avian animal models, *in situ* hybridization/qPCR, immunohistochemistry, neuroimaging, and/or the analysis of animal behavior will be valued.

The candidate should be able to work both independently and as part of a team. The successful candidate will possess a strong track record of publications in top neuroscience and/or endocrinology journals.

Importantly, the candidate should be in a situation of international mobility (that is he/she should not have worked or lived in Belgium for more than 24 months before starting in the lab).

**Contract:**

The fellowship will be up to 3 years (renewal after 1 year upon positive interim evaluation). Financial support is provided by the Horizon Europe program.

**Work environment:**

Our team has a long standing experience in studying the contribution of gonadal steroids and neurosteroids to the organization and activation of the brain and behavior in a variety of animal models using classical techniques employed in neurosciences and endocrinology including gonadectomy and cannulation surgery, intracranial drug infusions, behavioral testing and molecular biology/biochemistry technique. Additional information about the laboratory is available at: . The [neuroendocrinology unit](#) is composed of teams led by Julie Bakker, Anne-Simone Parent and Charlotte Cornil and is part of the [GIGA Neurosciences](#), a division of the research center called [GIGA-research](#), a major research center in biotechnology where virtually any recent technique applicable to life sciences is available and implemented.

### **Applications**

Send a curriculum and motivation letter with a list of three contacts for recommendation letters to [charlotte.cornil@uliege.be](mailto:charlotte.cornil@uliege.be). Informal inquiries are welcome.

Deadline : May 16<sup>th</sup> 2024

### **Starting date**

September 2024

### **Contact person:**

Charlotte Cornil – [charlotte.cornil@uliege.be](mailto:charlotte.cornil@uliege.be)