



Post-doctoral fellowship in Translational Neuroendocrinology

Laboratory of Neuroendocrinology, GIGA Neurosciences
University of Liège, Belgium

We are seeking a highly motivated post-doctoral researcher with experience in development and endocrinology to join the research group led by Dr Anne-Simone Parent in the laboratory of Neuroendocrinology at GIGA Neurosciences. The successful candidate will be part of a local research unit composed of three research groups 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 including puberty (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 aiming to decipher the impact of EDC on sexual differentiation and develop new novel approaches models to study EDCs.

Tasks

The main task will be to evaluate the impact of EDC on the development and functioning of the hypothalamic-pituitary gonadal axis as well as on the neural circuits regulating puberty.

Education and expertise:

The candidate should hold a PhD in neurosciences, endocrinology or a related field. A background in neuroendocrinology as well as prior experience with transgenic mouse models in combination with *ex vivo* histological analyses (in situ hybridization, immunohistochemistry) and bioinformatics 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 good 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 group has a long-standing experience in studying the neuroendocrine mechanisms underlying the control of puberty and reproduction. More recent studies have focused on the effects and mechanisms of action of endocrine disrupting chemicals on the neural circuits regulating puberty and reproduction.

To this end, we make use of rodent models in combination with high throughput approaches and imaging technologies. Additional details can be found on our website:

https://www.giganeuroendo.uliege.be/cms/c_4751420/en/giganeuroendo-research

The [neuroendocrinology unit](#) 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 asparent@uliege.be. Informal inquiries are welcome. Application deadline 1st of July 2024.

Starting date

September 1st, 2024