



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

A post-doctoral fellowship for a duration of 3 years is available starting immediately in the team led of Dr Charlotte Cornil to study the actions of neuroestrogens produced in selected brain regions on female behavior in mice. This project will combine classical neuro-pharmacological and new state of the art approaches to characterize the connectivity of aromatase neurons within the neural circuits underlying behavior and determine the behavioral roles of aromatase neurones and the neuroestrogens they produce.

We are seeking for a highly motivated candidate with experience with one or more of the following techniques: mouse behavior/genetics, stereotaxic surgery, genetically guided tract tracing, and opto/chemo-genetics. The candidate should hold a PhD in neurosciences or psychology for less than 5 years with a strong background in neuroendocrinology. 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 publication 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).

Our team has a long standing experience on the mechanisms of the regulation of brain estrogen synthesis and its consequences on the control of brain function and social behaviors 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: www.giganeuroendo.uliege.be/cornilteam. The [neuroendocrinology lab](#) 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. The GIGA Neurosciences includes 4 thematic research units supported by 5 core facilities available to all researchers: Cell culture, Histology, Molecular Biology (including transcriptomic, proteomics and metabolomics), Electrophysiology and Confocal imaging.

Applications including CV with names of three references and a statement of research interests should be sent to charlotte.cornil@uliege.be