Titre de l'annonce	# PhD on microglia
Ville	Paris
Pays	France
Texte de l'offre	Microglia play an important role in the formation and maturation of neuronal circuits, and alterations of microglial functions or development, resulting from mutations or environmental insults, can impair proper brain development and increase the vulnerability to neurodevelopmental psychiatric diseases such as Autism spectrum disorders or schizophrenia. In the lab, we have preliminary data suggesting that the postnatal maturation of microglia is regulated by serotonin. The aim of this PhD will thus be to investigate the impact of early serotonergic system alterations on microglia maturation, at the transcriptomic, epigenetic, morphological and functional levels. The long-term objective is to identify signaling pathways of developing microglia that could be targeted in the context of neurodevelopmental psychiatric disorders. Methodology: This PhD project is based on the mouse animal model and will use several approaches from microglia purification, RNAseq, ChIPseq, immunohistochemistry to animal behavior. Candidate's profile: Basic requirements: enthusiasm, curiosity, teamwork skills. Previous experience in bioinformatics or epigenetics is not mandatory but would be a plus. NB: The PhD candidate will have to apply for the "concours de l'Ecole Doctorale ED394" before the 13th of June 2021, and to defend this project at the beginning of July 2021 in order to get a doctoral fellowship.
Date de fin de publication :	28th of May 2021
Type d'emploi	Thèse - PhD
Type de contrat	doctoral contract (to be obtained from the doctoral school)
Date limite de candidature	**29th of May 2021**

Date début de fonction	October 1, 2021
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