Titre de l'annonce	Ph.D. in Neuroscience: Disruption of K+ clearance and metabolic processes in astrocytes at seizure onset
Ville	Marseille
Pays	France
Texte de l'offre	The researcher will be part of ASTROTECH, an European Training Network that includes 15 Ph.D. students in different labs all over Europe. This particular project is focused on epilepsy and has the following objectives: A) To measure astrocytic function in experimental epilepsy, combining Ca2+ imaging, electrophysiological, metabolic (glucose and lactate) and ionic (K+) recordings, and establish whether changes occur before seizure onset (biomarker identification) and are causally related to seizure genesis (mechanism). B) Validation of biolectronic devices (state-of-the-art technologies developed by the consortium) for assessing astrocyte function in vivo. C) Testing theoretical predictions obtained from whole brain simulations (The Virtual Mouse brain) performed by another ASTROTECH Ph.D. student working in the same institute. More information: https://euraxess.ec.europa.eu/jobs/636288
Date de fin de publication :	15/12/2021
Type d'emploi	Thèse - PhD
Type de contrat	3 years
Rémunération brut mensuelles	2200€ after tax
Date limite de candidature	**15/12/2021**
Date début de fonction	Before 15/12/2021

Information contact	Christophe Bernard : mailto:christophe.bernard@univ-amu.fr