Conférence

CRCHUM

Université de Montréal

AXE NEUROSCIENCES

Nicolas Lemmetti, M. Sc.

PhD candidat - Candidat au Doctorat
CR-CHUM - Neurosciences Axis
Équipe du Dre Valérie Mongrain
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The absence of synaptic adhesion proteins Neuroligin-1 and Neuroligin-2 differentially modulates wake/sleep architecture, spectral activity, and scale-free activity in female mice

SRD5A3 congenital disorder Neuroligin-1 (NLGN1) and NLGN2 are synaptic adhesion molecules that are associated mainly to glutamatergic and GABAergic neurotransmission, respectively. Mutations in Nlgn1 and Nlgn2 have been linked to neurodevelopmental disorders (e.g. autism spectrum disorder) and dysfunction in synaptic plasticity. In male mice, the loss of NLGN1 or NLGN2 was shown to modify the time spent in vigilance states and to alter electrocorticographic spectral activity. Here, we sought to establish whether the lack of NLGN1 or NLGN2 impacts wake/sleep states in females by comparing variables related to wake/sleep architecture, spectral activity, scale-free activity and responses to sleep deprivation.

Le mardi 26 novembre 2024 9 h à 10 h

Amphithéâtre R05.212B
900 rue Saint-Denis
Montréal (QC) H2X 0A9

L'AUDACE DE CHERCHER PLUS LOIN

Séminaire organisé par Nathalie Arbour
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