

AXE NEUROSCIENCES

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The role of synapse diversity and synaptome architecture in behaviour and disease

The synaptome architecture (SA) encompasses the remarkable spatial arrangement and organization of diverse excitatory synapse types and subtypes within the mammalian brain. Diverse synapses are found within every dendrite, neuron and brain region. The SA provides a new framework for understanding how information, including behavioral patterns and cognitive representations, is encoded—shaped by the interaction between genetic and environmental factors. In this lecture, we will explore the dynamic properties of the SA throughout the lifespan, examining how it is influenced by experience and sensory input, the effects of sleep deprivation on its daily functioning, and how genetic disorders target vulnerable synapses

Le vendredi 4 octobre 12 h à 13 h

Pavillon C - C.07.7105
1000 rue Saint-Denis
Montréal (QC) H2X 0C1

Lien Zoom : <https://umontreal.zoom.us/j/88547434595?pwd=gesvXKtQY0MiZoDRDJM0ocBwKx6T39.1>

ID de réunion : 885 4743 4595
Mot de passe : 643274

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