

# Faculté de pharmacie

## Séminaire de l'axe

« Cibles thérapeutiques et pharmacothérapie »



### Signaling pathways activated by psychotropic drugs in the striatum

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**Pavillon Jean Coutu**

**12h00 – S1-125**

*À l'invitation du professeur Daniel Levesque*

"The striatum is the major input station of the basal ganglia and gets input from the cerebral cortex. This region is involved in the planning and modulation of movement pathways but is also potentially involved in a variety of other cognitive processes involving executive function, such as working memory. Impaired dopaminergic signaling in the striatum is involved in diseases as diverse as Parkinson's disease, addiction, and schizophrenia. Here, we investigate, using pharmacology and optogenetics, two signaling pathways, Nur77 - an orphan nuclear receptor and dopamine-regulated immediate-early gene)- and the protein kinase Pyk2, that are activated by psychotropic drugs in the striatum."

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