



Northwestern University
Interdepartmental Neuroscience

Student Hosted Seminar Series PRESENTS

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Monday, January 7, 2019

4:00 to 5:00 PM

McGaw Auditorium (Chicago)

Atypical circuitry of the basal ganglia – considerations for action selection and evaluation

The basal ganglia are a set of phylogenetically old and evolutionarily conserved subcortical nuclei thought to be involved in the selection of actions, the evaluation of the outcomes of these actions, and the reinforcement of those actions that lead to beneficial outcomes. The basic circuitry of the basal ganglia has been known for decades and consists of opposing cascading inhibitory projects. I will discuss updates to the classic models of basal ganglia wiring and present new data on the contribution of activity in these circuits to action selection and evaluation in mice.

This talk will be videoconferenced to Pancoe Auditorium (Evanston)