

The Centre for Neuroscience Studies
Seminar Series is proud to present:

Wednesday October 28th, 2020
11:00 – 12:00 pm



Speaker

Mihaela Iordanova, PhD

Associate Professor

Department of Psychology, Concordia University

Topic

Behavioural and neural mechanisms of secondary fear cues

The study of how the brain regulates learned fear has been fundamental to understanding brain function and has served as a pre-clinical animal model for fear- and anxiety-related disorders in humans. The current model has exclusively focused on *primary cues* for fear, that is, fear acquired through direct pairings between a cue and a fear-eliciting event. However, fear is also elicited by *secondary cues*, that is, cues that were never directly paired with the aversive event. These *secondary cues* gain fear-eliciting properties by virtue of their association with *primary cues*. The present seminar will present data showing how fear memories propagate across a memory network allowing for the development of *secondary cues*, how those memories are regulated by fear to the *primary cues* at the behavioural and neural level, as well as how they are supported by circuits in the brain.

Zoom link: <https://queensu.zoom.us/j/92320207496?>

Informal post-talk chat for graduate and post-doc trainees: 12:00-12:30