

CARMHA Research Seminar

Dr. Nadine Provençal

Friday, October 11, 2019

12:00 – 1:00 pm

Room 2050, SFU Harbour Centre

Centre for Applied Research in Mental Health and Addiction (CARMHA)
Faculty of Health Sciences
Simon Fraser University

Exposure to early life stress (ELS) is a well-known major risk factor for developing psychiatric and behavioural disorders later in life. Evidence indicates that exposure to ELS can lead to long-term changes in several biological systems but our understanding of the mechanisms involved is limited. Dr. Provençal will present recent evidences from her research using hippocampal progenitor cells as a model to study the impact of prenatal stress on our genes as well as cohort of newborns exposed to prenatal stress. Overall, her work suggests that early GCs exposure primes future gene responses via epigenetic marks. Her findings using an in vitro model may translate to human pregnancy where epigenetic marks could potentially serve as a biomarker for prenatal stress exposure and contribute to the increased risk for developing a psychopathology observed with prenatal GC exposure.

Brief Bio: Dr. Provençal joined the Faculty of Health Sciences at Simon Fraser University as Assistant Professor in March 2017 and heads the EpiGenOmics of Developmental Trajectories (EGODT) laboratory. She is also an Investigator at BC Children's Hospital Research Institute.

For complete details on this talk please visit:
CARMHA Events Webpage: <http://www.sfu.ca/carmha/events.html>

- ◆ *The presentation will be webcasted. Webcast link: TBC*
- ◆ *The presentation is open to the SFU and broader research community.*
- ◆ *A light lunch will be provided.*

