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Invité par : Le comité d’événements scientifiques de l’Axe neurosciences du CRCHU de Québec-Université Laval dans le cadre du NeuroForum 2018

Date : Jeudi 12 avril 2018
Heure : 11h00
Lieu : Amphithéâtre Fisher, Local TR-54, Site CHUL

«Fixing clogged or leaky pipes in the brain»

Obstructions or rupture of micro-vessels can accumulate over time to negatively affect brain function and are commonly found in at-risk populations such as those with diabetes. A central focus of my laboratory is to understand the cellular and molecular mechanisms that dictate repair of cerebro-vascular insults. To do this, we utilize a range of in vivo imaging techniques that allow us to track morphological and functional changes in specific cell types (neurons, microglia and endothelial cells) before, during and after injury. The first part of my talk will focus on the incidence of cortical capillary obstructions, the mechanisms that dictate capillary recanalization and the long-term of fate of clogged capillaries. The second half will then focus on how microglial repair of cerebral microbleeds is disrupted in an animal model of diabetes. Further, I will describe how abnormal interferon signaling contributes to these impairments.

Note :
Prìère d’aviser vos étudiants gradués et stagiaires postdoctoraux afin d’avoir la participation de tous.