

TUESDAY, APRIL 30, 2024

1:00-2:00PM

HYBRID - IN PERSON ROOM 1421 AND MS TEAMS



**PRESENTED BY:**

**Osama Harraz, PhD**

Bloomfield Professor in Cardiovascular  
Research, Assistant Professor  
Department of Pharmacology  
Larner College of Medicine,  
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*Hosted by Dr. Baptiste Lacoste*

## **SEMINAR TITLE**

**"Mechano-feedback control of brain blood flow"**

### **Learning Objectives**

1. Changes in hemodynamic forces during hyperemia are sensed by the vascular endothelium;
2. Genetic manipulation of Piezo1 in endothelial cells alters functional hyperemia and cognition;
3. Endothelial cell Piezo1 function shapes the hyperemic responses in the brain by facilitating a mechano-feedback system.