Chronic vascular inflammation plays a central role in the pathogenesis of atherosclerosis, a disease that leads to blood vessel narrowing, and culminates in peripheral vascular disease, heart attack and stroke. The endothelium − the inner lining of blood vessels − orchestrates multiple aspects of atherogenesis. My research program focuses on deciphering the cell signaling and downstream transcriptional pathways that control endothelial cell (EC) phenotype in health and disease. Recent work from my lab has revealed that microRNAs, a class of noncoding RNAs, play an essential role in controlling inflammatory signaling in ECs. In ongoing investigations, we have also found novel and profound contributions to vascular inflammation from secreted extracellular vesicle-encapsulated microRNAs, as well as long noncoding RNAs (lncRNAs). This talk will explore the contribution of noncoding RNAs to vascular inflammation.

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