Dr. David Brooks, PhD
ScotiaBANK Research Chair in InflammationSenior Scientist, Princess Margaret Cancer CenterAssociate Professor, Department of Immunology, University of Toronto

Title: “Inflammation and immunosuppression: unifying mechanisms of disease in chronic virus infections and cancer”

Wednesday, March 28, 2018
McIntyre Bldg. | Room 521, 4:00 PM
McIntyre Medical Sciences Building

“Chronic inflammation is a high-level driver of many diseases, including chronic virus infections and cancer. In addition to continually wearing down the immune system, chronic inflammation also triggers feedback inhibition that potentiates dysfunctional and ineffective immune responses to promote disease. But how the same inflammatory factors that are critical to establish the immune response ultimately fosters its demise are not well understood. Work in our laboratory has demonstrated that type I interferons regulate many of the inflammatory and the suppressive processes that undermine innate and adaptive immunity to prevent control of chronic infections and cancer and limit the efficacy of immunotherapies. I will discuss how type I interferons serve as the nexus linking inflammation and immunosuppression to simultaneously sustain and suppress immune activity, ultimately culminating in altered T cell regulation in multiple chronic diseases”.

LOCATION: McIntyre Medical Sciences Building, Room #521, 4:00 PM
HOSTED BY: Cohosted by the MRCCT and the GCRC