



“Novel protease-targeting treatment approaches in skeletal diseases, SARS-CoV2, and ideas about autoimmunity”

Date & Time: Wednesday, August 23 | 1:00PM - 2:00PM PT

Hybrid: Life Sciences Centre Room 1003 (LSC3) & Zoom

From the lab of: Dr. Dieter Brömme, Professor in OBMS (Dentistry)

Associate Member, Biochemistry and Molecular Biology

Tier 1 Canada Research Chair in Proteases in Health and Disease & Centre for Blood Research member

Presented by: Dr. Preety Panwar, Dr. Yasin Tabatabaei-Dakhili, Dipon Saha, PhD candidate

Our laboratory is focused on the role of proteases in health and disease and the identification and characterization of so-called ectosteric inhibitors. Here, we identified plant-based inhibitors which provide effective anti-resorptive as well as anti-inflammatory activities in disease models of osteoporosis and arthritis. Moreover, we are interested to investigate mechanistic aspects of SARS-CoV-2 proteases and to explore novel mechanisms of inducing autoimmunity caused by SARS-CoV-2 infection and vaccination.