Dr. Leonard Foster
Professor, Biochemistry & Molecular Biology, UBC
Director, Centre for High-Throughput Biology

“Vaccine discovery and personalized immunology through accurate tracking of the immunopeptidome”

Dr. Foster will discuss how we use proteomics to directly discover candidate subunit vaccines, including progress we have made towards Chlamydia and, to a lesser extent, tuberculosis. He will then discuss how we have refined methods for detecting MHC-presented peptides (Class I and II) and how this can now be applied to look at an individual’s presented antigen repertoire.