Friday
October 25
12 – 1pm
Daniels Hollywood Theatre
Hospital for Sick Children
Room 1246, Black Wing
555 University Avenue,
Toronto Ontario

Post Seminar Discussion
and Refreshments
1–2pm
Rotunda, Black Wing

Digging genomes for propelling medicine and understanding our past

Dr. Mait Metspalu
Director, Institute of Genomics, University of Tartu

Developments in DNA genotyping and sequencing technologies have made it possible to map the genetic diversity of our (and other) species to an unprecedented scale. This has powered the field of population genetics and research into the role of genetic variation in disease. I shall give a short overview of research done at the University of Tartu in both of these directions.

Firstly, I will show how incorporating ancient DNA analyses have dramatically changed our understanding of the population history in Europe and in Northeast Europe in particular. Secondly, I will introduce the Estonian Biobank and describe how by using this resource Estonia is making the first steps toward genomics guided healthcare at the national scale.