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Translating Results From Large-Scale Genetic Association Studies Into Public Health-Relevant Measures.

Friday
Dec 2, 2022
12:00-1:00 pm

Hybrid
Free Event
Registration Required

[Register Here](#)

Abstract: I will describe different efforts that our team is pursuing to translate results from genome-wide association studies into clinically and public-health-relevant applications. The talk will touch upon the use of polygenic scores for disease prediction and their value in informing patients' disease prognosis. I will discuss our recent work in mapping the impact of genetic risk factors on healthy life years (Jukarainen et al, Nature Medicine, 2022) and the use of genetics to understand the causal impact of modifiable risk factors on healthcare costs. Finally, I will show how nationwide registry data, together with genetic information, can enhance high-throughput epidemiological analyses to answer public health-relevant questions, such as COVID-19 vaccination uptake.

CANSSI Ontario STAGE is a training program in genetic epidemiology and statistical genetics, housed at the University of Toronto Dalla Lana School of Public Health and funded by **CANSSI Ontario** at U of T, an extra-departmental unit at the Faculty of Arts and Science of the University of Toronto. Seminars are sponsored by The Hospital for Sick Children Research Institute, the Lunenfeld-Tanenbaum Research Institute of Mount Sinai Hospital, the Centre for Addiction and Mental Health, the Ontario Institute for Cancer Research, the McLaughlin Centre of the University of Toronto, the Fields Institute, and the Ontario Cancer Institute of the University Health Network.

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