

**KEYNOTE:****Dr. Cara Tannenbaum**

*Scientific Director  
Institute of Gender and Health  
Canadian Institutes of Health Research*

Dr. Cara Tannenbaum was appointed Scientific Director of the Institute of Gender and Health at the Canadian Institutes of Health Research in 2015 and currently serves as Departmental Science Advisor for Health Canada.

She is a Professor in the Faculties of Medicine and Pharmacy at the Université de Montréal and is the recipient of several prestigious awards, including the May Cohen Gender Equity Award from the Association of Faculties of Medicine Canada, the Canadian Trailblazer Award for Exceptional Contributions to Science Policy, and the Y Prix des Femmes Award, and membership in the Order of Canada.

Dr. Tannenbaum provides internationally recognized leadership on the integration of sex and gender-based analysis (SGBA) considerations into research, practice and policy. She champions the use of data to drive decision-making for increasing representation of sex and gender from an intersectional perspective among those who conduct, as well as those who benefit from scientific research.

Dr. Tannenbaum obtained her medical degree at McGill University and subsequently obtained specialty training in geriatric medicine and older women's health. Her fellowship included clinical training in women's health and osteoporosis (Mount Sinai Hospital, New York), a Master's degree in epidemiology and biostatistics (McGill University), and research training on sex hormones (University of California in San Diego).

**The sweet side of sex: Why sex matters in glycobiology**

In this interactive session, Dr. Cara Tannenbaum will discuss how integrating sex as an experimental variable in glycobiology research has the potential to foster opportunities for scientific discovery and innovation, improve experimental efficiency and reproducibility, and enable social equality in scientific outcomes. Dr. Tannenbaum will describe how biological sex influences basic biochemical, molecular and cellular structures and processes. Specifically, she will explore how sex differences in glycosylation and fucosylation patterns may impact the pathogenesis of various diseases across sexes. Participants will leave with the latest methods and tools for integrating sex-based analyses into their glycobiology research programs and a better understanding of how to meet CIHR's sex- and gender-based analysis requirements as an applicant and peer reviewer.