

SER Mid-Year Meeting 2024, Toronto, Canada - March 8, 2024

Location: Mars Discovery District, 101 College St, Toronto, ON M5G 1L7

Innovative Data Science Applications in Epidemiology

Session and Format – March 8, 2024	Time
Registration and Coffee	8:00am – 8:30am
Welcome Hailey Banack, Laura Rosella & Jess Edwards	8:30am - 8:45am
Invited Keynote #1: New opportunities in AI and Epidemiology Magalena Cerdá, DrPH MPH NYU Grossman School of Medicine	8:45pm - 9:30pm
Panel - Data science at the intersection of academia with healthcare and public health	9:30pm - 10:15pm
Break	10:15pm - 10:45pm
Invited Talks #1: Data Science Innovations in Descriptive Epidemiology and Surveillance: New data sources and novel methods Introduction to the Session (5 minutes – Mary Aglipay) 4 invited talks (10 minutes each) Discussion + Questions (15 minutes)	10:45pm - 12:00pm
Lunch	12:00 pm -1:00pm
Keynote #2: Addressing equity and algorithmic bias in machine learning Dr. Irene Y. Chen UC Berkeley and UCSF's Computational Precision Health Program	1:00pm - 1:45pm
Invited Talks #2: Advances in AI and data science in predictive applications for epidemiology Introduction to the Session (5 minutes – David-Dan Ngyuen) 4 invited talks (10 minutes each) Discussion + Questions (15 minutes)	1:45pm - 2:45pm
Break	2:45pm – 3:00pm
Invited Talks #3: Target Trial Emulation in Nutritional Epidemiology (SER session) Yu-Han Chiu Dalia Stern	3:00pm – 4:00pm
SER Debate: Is AI reshaping epidemiology? Introduction to the debate and instructions – 4 minutes Pro/Con – 5 minutes each Rebuttal – 3 minutes each Audience Participation and Discussion – 20 minutes Voting and closing – 5 minutes	4:00pm – 4:45pm
Closing Hailey Banack & Laura Rosella	4:45pm - 5:00pm

*Welcome reception March 7, from 6-8om at the Faculty Club, University of Toronto, 41 Willcocks St, Toronto