



## **Session 1: Machine Learning & Artificial Intelligence in Clinical Research**

**Date:** Thursday 3rd Nov

**Time:** 9:00am-11:30am PST

Experts will share their ethical guidelines when reviewing research that involves Artificial Intelligence (AI) and machine learning from data.

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**Anita Ho, PhD, MPH**, Clinical Associate Professor, Centre for Applied Ethics, UBC; Associate Professor, UCSF Bioethics; Scientist, Centre for Health Evaluation and Outcome Sciences; Regional Director of Ethics (Northern California), Providence St. Joseph Health; Elected Fellow, The Hastings Center

Dr. Anita Ho is a bioethicist with a unique combined academic training and experience in clinical/organizational ethics, public health, business, and philosophy. In addition to being a Scientist at CHEOS, Anita is currently an Associate Professor in bioethics and health services research at the Centre for Applied Ethics at the University of British Columbia, and an Associate Adjunct Professor in the Bioethics Program at the University of California, San Francisco.

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**Melissa McCradden, PhD, MHSc**, John and Melinda Thompson Director of AI in Medicine; Integration Lead – AI in Medicine (AIM) Initiative; Bioethicist, The Hospital for Sick Children; Associate Scientist, Genetics and Genome Biology; Assistant Professor, Dalla Lana School of Public Health

Dr. McCradden is a Bioethicist with the Department of Bioethics at The Hospital for Sick Children (SickKids). Melissa holds a PhD in Neuroscience (McMaster University) and a M.HSc. in Bioethics (University of Toronto). In her role, she provides clinical and organizational consultation, gives education to staff and trainees, participates and leads policy development, and conducts research. Her areas of scholarship and research include artificial intelligence/machine learning, precision child health, paediatric bioethics, and research ethics.

Melissa brings her background in clinical research to her work at SickKids as she explores the intersections of ethics and evidence. She has had a focus on paediatrics since her graduate work in youth concussion, and is particularly interested in highlighting the value of a young person's voice and agency in healthcare.

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**M. Ehsan Karim, PhD, Assistant Professor in Health Data Science, School of Population and Public Health, UBC; Scientist, Centre for Health Evaluation and Outcome Sciences (CHÉOS)**

Dr. M. Ehsan Karim is an Assistant Professor in Health Data Science in the School of Population and Public Health, The University of British Columbia; a Scientist at CHEOS, St. Paul's Hospital; a Michael Smith Foundation for Health Research (MSFHR) or Health Research BC Scholar; and an Associate Member, UBC Statistics. His current program of research focuses on developing causal inference and pharmacoepidemiological methodologies, and applications of data science and machine learning approaches in the large healthcare data analysis context to answer real-world comparative effectiveness research questions.

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**MODERATOR**

**Sarah Flann, CREB Research Ethics Coordinator, UBC**

Sarah Flann, MSc (she/her) is a Research Ethics Coordinator with the UBC Clinical Research Ethics Board (CREB). Prior to joining CREB, she worked as a Research Ethics Administrator at Fraser Health and Adler University. Sarah also has over ten years of experience managing clinical neuroscience and neuroimaging research.