

Advancing Diabetes Discoveries: Leveraging Big Data 13th Annual Diabetes Research Symposium

Thursday November 7th, 2024

Samuel N. Cohen Auditorium, Albrechtsen Research Centre

Pediatric Grand Rounds	<i>Chair: Dr. Liz Sellers</i>
8:00 – 8:10	Elder Donna Kennedy , <i>Four Arrows Regional Health Authority</i> Opening Blessing
8:10 – 9:00	11th Annual Dr. Heather Dean Lecture for Excellence in Pediatric Diabetes Research Dr. Shazhan Amed , <i>University of British Columbia</i> “Transforming Pediatric Diabetes Care through Digital and Data Driven Innovation”
9:00 – 9:20	Coffee, light breakfast, registration
Samuel N. Cohen Auditorium	<i>Chair: Dr. Christine Doucette</i>
9:20 – 9:30	Opening remarks by Drs. Dolinsky and Dart
9:30 – 9:45	Musical introduction performed by Walking Wolf Drum Group
9:45 – 10:15	Dr. Taylor Morriseau , <i>First Nations Health and Social Secretariat of Manitoba</i> “Reclaiming First Nations Data Sovereignty in Manitoba: Implications for Diabetes Research and Care”
10:15 – 10:35	Break
Samuel N. Cohen Auditorium	<i>Chair: Dr. Samantha Pauls and Floriane Houenagnon</i>
10:35 – 11:05	Dr. Laura Rosella , <i>University of Toronto</i> “Preventing Diabetes in the Age of AI and Big Data: New Horizons in Public Health”
11:05 – 11:50	DREAM Trainees Presentations – Clinical Research
11:05 – 11:20	<i>Nicole Brunton</i> – “Exposure to gestational diabetes and hypertension in offspring: A triangulation approach”
11:20 – 11:35	<i>Thomas Manuel</i> – “Childhood Onset Type 2 Diabetes in A High-risk Cohort: General Cohort Description and Influence of Maternal Metabolic Factors”
11:35 – 11:50	<i>Ola Salama</i> – “In-utero Exposure to Maternal Diabetes and DNA Methylation Alterations in the Next Generation Birth Cohort”
11:50 – 12:50	Lunch & Network <i>Atrium</i>
Samuel N. Cohen Auditorium	<i>Chair: Dr. Peter Thompson and Nicole Brunton</i>
12:50 – 1:35	DREAM Trainees Presentations – Fundamental Science
12:50 – 1:05	<i>Sanjana Chauhan</i> – “Unlocking Nerve Regeneration in Diabetic Polyneuropathy: The Essential Impact of TRPM3 and M1R Antagonism”
1:05 – 1:20	<i>Marcelo Ninalaya</i> – “Maternal Resveratrol (RESV) Supplementation and the Effects on Cardiac Hypertrophy, Mitochondrial Metabolism, and Calcium Transport”
1:20 – 1:35	<i>Jasmine Pipella</i> – “Cytotoxic T Cell Injury Drives Beta Cell Senescence Entry in Type 1 Diabetes”
1:35 – 2:05	Dr. Patrick MacDonald , <i>University of Alberta</i> “Leveraging islet phenotyping data for insights to diabetes”
2:05 – 2:20	Awards – Dr. Vern Dolinsky and Dr. Allison Dart

