

# Poster Presentation Schedule

1. **Mystica Amonyi** (5:00 pm)

A novel transgenic inducible GFP extravesicular reporter mouse for isolating pancreatic beta-cell extracellular vesicles during type 1 diabetes pathogenesis

2. **Lydia Amooga** (5:15 pm)

Investigating how in utero Type 2 Diabetes exposure affects kidney structure and function in offspring

3. **Joanna Ankama** (5:30 pm)

Medication Adherence in Youth with Type 2 Diabetes

4. **Thiago Baltus** (5:45 pm)

Type-2 Diabetes Risk in Offspring: standardization of an exposure model in mice

5. **Yeshika Bhatia** (6:00 pm)

Novel knock-in mouse models of prohibitin-1 revealed its role in sex-related differences in kidney biology

6. **Besma Boubertakh** (5:00 pm)

The endocannabinoid mediator prostaglandin F<sub>2α</sub> ethanolamide and its pharmaceutical analog Bimatoprost new role: Rolling preadipocyte proliferation

7. **Michael Byun** (5:15pm)

Omega-3 fatty acids modify monocyte energy metabolism through mitochondrial bioenergetic rewiring

8. **Niloofar Dehkordi** (5:30 pm)

Novel Knock-In Mouse Models of Prohibitin-1 Display Amplified Sex-Related Differences in Brown Adipose Tissue

9. **Melissa Del Vecchio** (6:15 pm)

Feasibility of a Virtual Dialectical Behaviour Therapy Program for Youth Living with Type 2 Diabetes in Manitoba, Canada

10. **Isaak Fast** (5:45 pm)

The effectiveness of new Urban Trail Infrastructure on Physical Activity and Active Transportation: A Systematic Review and Meta-Analysis of Natural Experiments

11. **Abdelaziz Ghanemi** (6:00 pm)

Acute secreted protein acidic and rich in cysteine (SPARC) injections to mice is towards metabolic benefits and potential long-term antidiabetic effects

12. **Floriane Houenagnon** (6:15 pm)

The Impact of Omega-3 fatty acids on glucose metabolism in macrophage cell models

13. **Shiqi Huang** (5:00 pm)

Docosahexaenoic Acid Differentially Modulates the HMG CoA Reductase Pathway of Endothelial Cells Dependent Upon Growth State: Implications for Cardiovascular Health and Diabetes Care

14. **Priscilla Iabor** (5:15 pm)

The effect of the HNF1- $\alpha$  G319S polymorphism on kidney health of children in the Next Generation cohort exposed to type 2 diabetes in utero

15. **Andrea MacIntosh** (5:00 pm)

A patient-centred approach to designing a randomized controlled trial of a novel peer-led intervention for adolescents with type 1 diabetes (T1D). A descriptive case study

## Poster Presentation Schedule

16. **Danish Malhotra** (5:45 pm)

Amyloid-Associated Shift in the Phenotype of Resident Macrophages in Human Islets – A Potential Mechanism for Islet Inflammation in Type 2 Diabetes

17. **Jasmine Manji** (6:00 pm)

Kidney Biopsies in Diabetes: A Comparative Study of Youth and Adults

18. **Caitlin Menzies** (6:15 pm)

Gestational Diabetes Mellitus Induces Cardiac Dysfunction and Altered Mitochondrial Protein Acetylation in the Offspring Heart

19. **Pranav Mishra** (5:30 pm)

Estradiol promotes neurite outgrowth in adult sensory neurons through AMPK/ATF3 signaling pathway

20. **Marcelo Ninalaya** (5:15 pm)

Maternal Resveratrol (RESV) Supplementation and the Effects on Cardiac Hypertrophy, Mitochondrial Metabolism, and Calcium Transport

21. **Jewel Paskaruk** (5:30 pm)

SIRT3 Deficiency in the Liver Results in Hepatic Steatosis and Adipocyte Expansion in Gestational Diabetes

22. **Camille Prefontaine** (5:45 pm)

Proinsulin processing is sustained during DNA damage-mediated senescence in adult human  $\beta$ -cells

23. **Kailey Qin** (6:00 pm)

Effect of Cold Exposure on Lipid Synthesis in Brown and White Adipose Tissue in Mice

24. **Nayara Rampazzo Morelli** (5:00 pm)

Maintenance of prosurvival signaling is independent of secreted GDF15 in senescent human beta cells

25. **Yash Rawal** (5:15 pm)

The association between diabetes in pregnancy and infant feeding practices

26. **Anna Shypilova** (5:30 pm)

Muscle cell SIRT3 activation improves glucose utilization by offspring exposed to gestational diabetes.

27. **Liat Stitz** (6:15 pm)

Epigenetics: Is it a Potential Mechanism of Association Between Stress and Albuminuria among Youth with Type 2 Diabetes?

28. **Khushali Trivedi** (5:45 pm)

SIRT3 Deficiency in the Liver is Associated with Mitochondrial Dysfunction and Hepatic Steatosis in Gestational Diabetes

29. **Rushie Tyagi** (6:00 pm)

Islet-Derived Extracellular Vesicles – A Potential Biomarker for Amyloid Formation in Type 2 Diabetes and Human Islet Transplants in Type 1 Diabetes

30. **Lily Wiens** (6:15 pm)

Metabolism Change with Age across Lake Winnipeg Walleye, *Sander vitreus*: The Process of Aging on a Wild Model and Its Possible Applications to the Study of Senescence