



The Canadian DOHaD Society

Canadian Developmental Origins of Health and Disease Society

The 3rd annual scientific meeting of the

Canadian DOHaD Society

Program Guide

11 & 12 February/Février 2019

Fairmont Tremblant • Mont Tremblant, Québec, Canada

PROGRAM at glance



3rd annual Canadian DOHaD Society Meeting
February 11-12, 2019
Mont Tremblant (Qc)

Monday, February 11 th 2019		
15:00 - 17:30	Registration	Mali Foyer I, III
16:00 - 17:00	DOHaD Canada Council Meeting Council Members only	Outardes
17:30 - 17:45	Welcome, Opening Remarks and Traditional Territory Acknowledgement Chairs: Drs. Kristin Connor & Serge McGraw Indigenous Elder: Rose Wawatie, Kitigan Zibi	Mali III, IV
17:45 - 18:15	Canada on the World's DOHaD Stage Speaker: Drs. Janice Bailey and John Challis Title: 2021 World Congress on DOHaD	
18:15 - 19:15	Keynote Speaker Speaker: Dr. Tessa Roseboom, University of Amsterdam Title: <i>Lessons from the past for a healthier future</i>	
19:15 - 22:00	DOHaD Connections: Outreach, Networking and Collaboration Event Cocktail & hors d'oeuvre reception	Soutana III

Tuesday, February 12 th 2019		
7:15 - 8:30	Breakfast	Soutana I, II
7:30 - 8:30	DOHaD 2021 Introductory Planning Meeting 2021 Congress Committee Members only	Sasseville
8:00 - 8:30	Registration for Late Arrivals	Mali Foyer I, III
8:30 - 8:35	Housekeeping Drs. Kristin Connor & Serge McGraw	Mali III, IV
8:35 - 8:40	Introductory Remarks	
Session 1: Epigenetics and Omics Mechanisms Underlying DOHaD		
8:40 - 9:10	Speaker: Dr. Shannon Bainbridge, University of Ottawa Title: <i>Placental disease and long term health outcomes for moms and babies</i>	Mali III, IV
9:10 - 9:25	Trainee talk 1: Gloria Rodrigues, Dalhousie University Title: <i>Beyond nurture by nature: ATRX signalling and its role in autistic behaviour</i>	
9:25 - 9:40	Trainee talk 2: Lisa-Marie Legault, Université de Montréal Title: <i>Lasting brain DNA methylation perturbations and cognitive impairments following a preimplantation alcohol exposure</i>	
9:40 - 10:10	Speaker: Dr. Sarah Kimmins, McGill University Title: <i>Identification of epigenomic signatures in sperm associated with Body Mass Index (BMI), diet and fertility status</i>	
10:10 - 10:25	Health break	

Session 2: Solution-Oriented DOHaD

10:25 - 10:55	Speaker: Dr. Kristi Adamo, University of Ottawa Title: <i>Should pregnant women exercise? If so, why?</i>	Mali III, IV
10:55 - 11:10	Trainee talk 3: Jodi Nettleton, University of Calgary Title: <i>Maternal low-calorie sweetener consumption and metabolic impacts for offspring</i>	
11:10 - 11:25	Trainee talk 4: Nataliia Hula, University of Alberta Title: <i>Effect of treatment of the placenta with a mitochondrial targeted antioxidant (nMitoQ) on later-life cardiac function in adult offspring exposed to prenatal hypoxia</i>	
11:25 - 11:55	Speaker: Dr. Amanda MacFarlane, Health Canada Title: <i>Folic acid supplementation reduces female germ cell aneuploidy in Bub1 transgenic mice, a model of age-dependent oocyte aneuploidy</i>	
12:00 - 13:30	Lunch	Soutana I, II
13:30 - 14:30	Keynote Speaker Speaker: Dr. Robert A. Waterland, Baylor College of Medicine Title: <i>Epigenetic supersimilarity of monozygotic twins: Implications for DOHaD</i>	Mali III, IV
Session 3: Vulnerable and At Risk Populations		
14:30 - 15:00	Speaker: Dr. Pablo Nepomnaschy, Simon Fraser University Title: <i>Indigenous populations and DOHaD research: advances, challenges and opportunities</i>	Mali III, IV
15:00 - 15:15	Trainee talk 5: Dr. Anthea Lafreniere, The Ottawa Hospital Title: <i>The Ottawa cohort of mothers and neonates with opioid use and opioid replacement therapy during pregnancy and the “Nourish to Flourish” strategy</i>	
15:15 - 15:30	Trainee talk 6: Dr. Eszter Szekely, McGill University Title: <i>Consistent effects across studies of maternal antenatal adversity on early age psychopathology: findings from the DREAM BIG consortium</i>	
15:30 - 15:45	Health break	
15:45 - 16:45	DOHaD Annual General Meeting Chairs: Drs. Deborah Sloboda, Stephen Matthews, Tim Regnault	Mali III, IV
16:45 - 17:00	Closing remarks and awards Co-chairs: Drs. Serge McGraw & Kristin Connor Best trainee talk award	
Adjourn		
17:30 - 18:30	DOHaD 2021 Committee Planning Meeting 2021 Executive and Program Committees only	Sasseville