



Department of Obstetrics  
and Gynecology

School of Medicine



Obstetrics & Gynaecology  
UNIVERSITY OF TORONTO

# Reproductive Sciences Retreat

## Thursday October 12, 2017 Detroit, MI

### Schedule at a Glance

- 11:00 a.m. Registration/Lunch/Poster Viewing
- 1:05 p.m. Faculty Oral Presentations
- 3:13 p.m. BREAK
- 3:30 p.m. Faculty Oral Presentations
- 4:02 p.m. Selected Oral Presentations
- 5:00 p.m. Keynote Address - S. Matthews, PhD
- 6:00 p.m. Reception & Poster Viewing



### Keynote Address by Stephen Matthews, PhD

Professor, Physiology, Ob-Gyn & Medicine, University of Toronto  
Director of Research, Alliance for Human Development

More information at: <http://go.wayne.edu/MottRetreat2017>





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## Detailed Schedule

<b>11:00 AM</b>	Registration/Lunch/Poster Viewing	
<b>1:00 PM</b>	Opening Remarks by Dr. Krawetz	
<b>Faculty Oral Presentations</b>		
<b>1:05 PM</b>	Clifford Librach, M.D.	Development of a high Impact Translational Research Program Within a Reproductive Health Care Facility
<b>1:13 PM</b>	D. Randall Armant, Ph.D.	Trophoblast Function in Placentation and Perinatal Pathologies
<b>1:21 PM</b>	Svetlana Madjunkova, M.D., Ph.D.	Translation of Reproductive Genetics Results to Better ATR Outcomes
<b>1:29 PM</b>	Steven Korzeniewski, Ph.D.	Antecedents of Damage to Developing Brain Structure and Function Under A Systems Endocrinology Framework
<b>1:37 PM</b>	Brandon Wyse, MSc.	How To Tell a Good Egg from a Great Egg: Novel Biomarkers of Oocyte Quality
<b>1:45 PM</b>	Douglas Ruden, Ph.D.	Multigenerational Epigenetic Inheritance of Altered DNA Methylation Caused by Gestational Heavy Metal Exposure
<b>1:53 PM</b>	Andree Gauthier-Fisher, Ph.D.	Development of Stem Cell-Based Strategies for Fertility Preservation
<b>2:01 PM</b>	Maurice Recanati, M.D.	New Perinatal Research Findings Implications for LPCAT1
<b>2:09 PM</b>	Stewart Russell, B.Sc., Ph.D.	Small RNA Sequencing of Spent Human Embryo Culture Media As A Tool for Improving Implantation Outcomes
<b>2:17 PM</b>	Kang Chen, Ph.D.	Immune Regulation of Pregnancy: Research Overview in the Chen Laboratory of Reproductive Immunology
<b>2:25 PM</b>	Peter Szaraz, Ph.D.	Extraembryonic Tissue-Derived Pericyte-Like Cells In Vascular Regeneration - Support and Rescue
<b>2:33 PM</b>	Husam Abu-Soud, Ph.D.	Reactive Oxygen Species and Reactive Nitrogen Species and Oocyte Quality
<b>2:41 PM</b>	Denis Gallagher, Ph.D.	Umbilical Cord Cell Therapy for Mood Disorders: Modulation of Immune Activation to Protect Brain
<b>2:49 PM</b>	Francesca Luca, Ph.D.	Functional Genomic Analysis of Gene-by-Environment Interactions
<b>2:57 PM</b>	Sergey Moskovtsev, M.D., Ph.D.	Insights Into Clinical Andrology and Male Reproductive Biology
<b>3:05 PM</b>	Daniel Rappolee, Ph.D.	ReproStress 3M - Get It Right
<b>3:13 PM</b>	<b>BREAK</b>	
<b>Faculty Oral Presentations</b>		
<b>3:30 PM</b>	Felipe Vadillo-Ortega, Ph.D.	Metabolomics of Gestational Diabetes
<b>3:38 PM</b>	Ghassan Saed, Ph.D.	The Role of Oxidative Stress in the Pathogenesis of Ovarian Cancer
<b>3:46 PM</b>	Jeyasuria Pancharatnam, Ph.D.	Steroidogenic Factor 1 (Nr5a1) is Necessary for Sertoli Cell Survival Post Sex Determination
<b>3:54 PM</b>	Jennifer Condon, Ph.D.	Preconditioning for a Successful Pregnancy
<b>Selected Oral Presentations</b>		
<b>4:02 PM</b>	Cynthia Kalita	Tools for Analyzing the Regulatory Genome
<b>4:10 PM</b>	Nicole Edwards	Loss of p66shc Accelerates the Cell Cycle and the Onset of GATA4 Expression in Mouse Blastocysts
<b>4:19 PM</b>	Judith Ingles	Preconditioning by Endogenous Gestational Stresses Capacitates Uterine Quiescence During Pregnancy
<b>4:28 PM</b>	Bill Yee	Evaluation of Oxidative Stress (sORP) by MiOXSYS™: A Potential Novel Diagnostic Test for Male Fertility
<b>4:37 PM</b>	Leena Kadam	Endotoxin Effects on the 1 <sup>st</sup> Trimester Human Placenta Can Be Rescued by Rosiglitazone
<b>4:46 PM</b>	Sydney Flatt	Optimizing a Procedure for the Isolation and Purification of Human Granulosa Cells for Biobanking Purposes
<b>4:55 PM</b>	Keynote Speaker Introduction by Dr. G. Saed	
<b>5:00 PM</b>	<b>Keynote Address - Dr. Matthews</b>	Programming and Protection of the Fetal Brain
<b>5:50 PM</b>	Closing Remarks	
<b>6:00 PM</b>	<b>Reception and Poster Viewing</b>	
<b>7:30 PM</b>	Reception Ends	

