



Obstetrics & Gynaecology
UNIVERSITY OF TORONTO

30th ANNUAL RESEARCH DAY FRIDAY, MAY 10, 2013

8:00 a.m. to 6:30 p.m.

Old Vic Building
91 Charles Street West
Victoria University,
University of Toronto, M5S 1K6

HENDERSON LECTURE

4:30-5:30 pm

Dr Zulfiqar A. Bhutta

Noordin Noormahomed Sheriif Endowed Professor and
Founding Chair of the Division of Women and Child Health,
Aga Khan University, Karachi, Pakistan

**“Maternal Health and Nutrition:
Global Challenges and Solutions!”**

For abstract submission and more information:

<http://www.obgyn.utoronto.ca/Research/ResearchDay.htm>

OR helen.robson@utoronto.ca

May 13, 2013

Dear Colleagues:

I am very pleased to report that the **Department of Obstetrics & Gynaecology 30th Annual Research Day** took place on Friday, May 10, 2013 and was once again a great success. There were 14 oral and 71 poster presentations by trainees from the Department, covering both basic and clinical work and showcasing the incredible research taking place throughout our Department. This was a record number of abstracts presented. We also were very pleased to have **Dr. Zulfiqar A. Bhutta** give the Henderson Lecture this year. Dr. Bhutta is the Noordin Noormahomed Sheriif Endowed Professor and Founding Chair of the Division of Women and Child Health, at the Aga Khan University in Karachi, Pakistan and his timely topic, expertly executed, was “Maternal Health and Nutrition: Global Challenges and Solutions!”

I would like to thank everyone who participated, the staff who helped put it together, and also extend special thanks to all those faculty members who acted as Chairs and Judges and to the Research Committee, particularly Theodore J. Brown as Chair.

The **2013 JW Knox Ritchie Research Awards** for best abstract/presentation by trainee category were awarded during the celebratory wine and cheese reception at the end of the day. I am pleased to announce the following recipients:

Clinical Fellow: Clare J Reade (Supervisor: Ray Osborne)

O7 Treatment of Low-Risk Gestational Trophoblastic Neoplasia: A Probabilistic Decision Analysis Model

Clare J. Reade, Ray Osborne, Neil Shah, Lua R. Eiriksson, Jason Dodge, Francois Moens, Ron Goeree.

Post-Doctoral Fellow: Peter Szaraz (Supervisor: Clifford Librach)

E6 Evaluation of Human Umbilical Cord-Derived Perivascular Cells in Cardiac Regeneration
Peter Szaraz, SH Hong, L Maghen, A Gauthier-Fisher, CL Librach.

Resident: Julia Kfoury (Supervisor: Patricia Lee)

A5 Collegial Conflict: Why Can't We Just Get Along? Julia Kfoury, Patricia Lee

Graduate Student: Andrew Corso (Supervisor: Andras Nagy)

C2 Integrating Dynamic microRNA Expression and Epigenetic Control During Somatic Cell Reprogramming

Andrew Corso, Peter Tonge, Jennifer Clancy, Hardip Patel, Mira Puri, International PG Consortium, Thomas Preiss, Andras Nagy.

Medical Student: Melissa Walker (Supervisor: Rory Windrim)

O10 Multidisciplinary Management of Invasive Placenta Previa

Melissa Walker, Lisa Allen, John C.P. Kingdom, John R. Kachura, Lindsay Pollard, Sophia Pantazi, Sarah Keating, Jose C.A. Carvalho, Rory C. Windrim.

AND

Marina Vainder (Supervisor: Clifford Librach)

J3 Evaluation of Human Umbilical Cord-Derived Stem Cells for Tissue Regeneration in a Mouse Model of Drug-Induced Liver Injury.

Marina Vainder, Leila Maghen, Tanya Barretto, Schreiber Pereira, Andrée Gauthier-Fisher, Clifford Librach

Please join me in congratulating all of the recipients and celebrating their excellent research. I would like to commend all the participants, both oral and poster presenters, for continuing the tradition of high quality research and presentation that makes Research Day such a success every year. I would like to take this opportunity to thank Helen Robson who has so expertly organized this event for many years and has ensured that the highest calibre of event transpires. Thank you to Helen from all of us.

Sincerely,

Alan Bocking

Alan D. Bocking, MD
Gordon C. Leitch Chair
Department of Obstetrics and Gynaecology

RESEARCH DAY 2013

Old Vic Bldg, Victoria University University of Toronto

Friday, May 10, 2013
MORNING

PROGRAM-AT-A-GLANCE

7:30 am on	Poster Set-up for Presenters (2 nd Floor, Rms 206, 211, 212)	
8:00 am	Registration & Continental Breakfast (2 nd Floor Foyer)	
8:25 – 8:30 am	Welcome: Dr. Alan Bocking, Chair (Old Chapel, Rm 213)	
8:30 – 9:45 am	Oral Session I (O1-O5) (Old Chapel, Rm 213) Chair/Judge: Dr Michelle Letarte Judges: Drs Marcus Bernardini and Kellie Murphy	
9:45 – 10:05 am	Coffee Break & Poster Session I Walkabout (2 nd Floor Foyer & Rms 206,211, 212)	
10:05 – 11:05 am	Poster Session I Tour (Rms 206,211,212)	
	Groups A-F	Judges
	Chairs/Judges	
	A Drs Janet Bodley and Abeha Satkunaratnam	Dr Guylaine Lefebvre
	B Drs Jon Barrett and Han Keunen	Dr Wendy Whittle
	C Drs Ellen Greenblatt and John Kingdom	Dr Adrian Brown
	D Drs Heather Shapiro and TJ Brown	Dr Marjorie Dixon
	E Drs Carl Laskin and Navid Esfandiari	Dr Sony Sierra
	F Drs Sarah Ferguson and Art Zaltz	Dr Wendy Wolfman
11:10 am– 12:10 pm	Oral Session II (O6-O9) (Old Chapel, Rm 213) Chair/Judge: Dr Howard Berger Judges: Drs Nan Okun and Ori Nevo	

RESEARCH DAY 2012

Old Vic Bldg, Victoria University, University of Toronto

Friday, May 10, 2013
AFTERNOON

- 12:15 – 1:15 pm **Lunch** (First Floor, Alumni Hall, Rm 112)
- 1:20 – 2:35 pm **Oral Session III (O10-O14)** (Old Chapel, Rm 213)
Chair/Judge: Dr S Lee Adamson
Judges: Drs Isabella Caniggia and Robert Casper
- 2:35 – 3:05 pm **Coffee Break & Poster Session II Walkabout**
(2nd Floor Foyer & Rms 206,211, 212)
- 3:05 – 4:05 pm **Poster Session II** (Rms 206,211,212)
Groups G-L
- | | Chairs/Judges | Judges |
|----------|--|---------------------|
| G | Drs Andrea Jurisicova and Yaakov Bentov | Dr Anne Claessens |
| H | Drs Rose Kung and Joan Murphy | Dr Prati Sharma |
| I | Drs Oksana Shynlova and Clifford Librach | Dr Christine Derzko |
| J | Drs Allan Covens and Richard Pittini | Dr Sari Kives |
| K | Drs Caroline Dunk and May Alarab | Dr Rebecca Arthur |
| L | Drs Lisa Allen and Elliot Lyons | Dr Rory Windrim |
- 4:05 – 4:20 pm **Poster Takedown** (Rms 206,211,212)
- 4:30 – 5:30 pm **Henderson Lecture** (Old Chapel, Rm 213)
Dr Zulfiqar A Bhutta
Noordin Noormahomed Sheriif Endowed Professor and
Founding Chair of the Division of Women and Child Health,
Aga Khan University, Karachi, Pakistan
**“Maternal Health and Nutrition: Global Challenges and
Solutions!”**
Closing Remarks: Dr Alan Bocking (Old Chapel, Rm 213)
- 5:30 – 6:30 pm **Wine and Cheese Reception and JW Knox Ritchie Research
Awards Presentations** (First Floor, Alumni Hall, Rm 112)

PROGRAM-AT-A-GLANCE

PROGRAM

30TH ANNUAL RESEARCH DAY Friday May 10, 2013

- 7:30 a.m. on **Poster Set-up for Presenters** (2nd Floor, Rms 206,211,212)
- 8:00 a.m. **Registration & Continental Breakfast** (2nd Floor Foyer)
- 8:25 – 8:30 a.m. **Welcome: Dr. Alan Bocking, Chair** (2nd Floor, Old Chapel, Rm 213)
- 8:30 – 9:45 a.m. **ORAL SESSION I** (Old Chapel, Rm 213)

(O1-O5) (5 presentations @15 minutes: 10 minute presentation + 5 minutes for questions)

Chair/Judge: Dr Michelle Letarte

Judges: Drs Marcus Bernardini and Kellie Murphy

8:30-8:45 **O1 GSK3 β Differentially Regulates Mcl-1 Phosphorylation in PE and IUGR Placentae**

Jayonta Bhattacharjee [PD] (1), Isabella Caniggia (1, 2, 3).

(1) Samuel Lunenfeld Research Institute, Mount Sinai Hospital, (2) Departments of Obstetrics and Gynaecology and (3) Department of Physiology, University of Toronto.

8:45-9:00 **O2 Activation of PPAR- γ Promotes HO-1 Induction in BeWo Cells: Implications for the Treatment of Severe Pre-eclampsia**

Khrystyna Levytska [G] (1,2), Sascha Drewlo (3), Dora Baczyk (1), John Kingdom (1,2,4,5)

(1)Program in Development and Fetal Health, Samuel Lunenfeld Research Institute, Mount Sinai Hospital; (2)Department of Laboratory Medicine and Pathobiology, University of Toronto; (3)Department of Obstetrics and Gynecology, C.S. Mott Center for Human Growth and Development, Wayne State University School of Medicine, Detroit, USA; (4)Maternal-Fetal Medicine Division, Department of Obstetrics and Gynaecology, Mount Sinai Hospital; (5)Department of Obstetrics and Gynaecology, University of Toronto, Toronto, Canada

- 9:00-9:15 **O3 Fertility Sparing Treatment of Complex Atypical Hyperplasia and Low Grade Endometrial Cancer Using Oral Progestin**
Andrea N. Simpson [R](1), Tomer Feigenberg (2), Blaise A. Clarke (3), Lilian T. Gien (4), Nadia Ismiil (5), Stephane Laframboise (2), Christine Massey (6), Sarah E. Ferguson (2)
(1)Department of Obstetrics and Gynaecology, University of Toronto,
(2)Department of Gynaecologic Oncology, Princess Margaret Hospital,
(3)Department of Pathology and Laboratory Medicine, Toronto General Hospital,
(4)Department of Gynaecologic Oncology, Sunnybrook Health Sciences Centre
(5)Department of Pathology and Laboratory Medicine, Sunnybrook Health Sciences Centre, (6)Independent Biostatistician.
- 9:15-9:30 **O4 Role of Short Wavelengths in Circadian Phase Resetting in Rats**
Bojana Gladanac[G](1,2), Shadab Rahman(3) and Robert Casper(1,2)
(1)Department of Obstetrics and Gynaecology, Samuel Lunenfeld Research Institute, Mount Sinai Hospital; (2)Institute of Medical Science, University of Toronto; (3)Division of Sleep medicine, Brigham and Women's Hospital, Harvard Medical School
- 9:30-9:45 **O5 Stretch-Induced Myometrial Cytokines Enhanced Peripheral Neutrophil Recruitment via Endothelial Activation.**
Yu-Hui Lee[G](1), Oksana Shynlova(2,3), Stephen J. Lye(1,2,3)
(1)Departments of Physiology, (2)Obstetrics and Gynaecology, University of Toronto, (3) Samuel Lunenfeld Research Institute, Mount Sinai Hospital.

9:45-11:05 am **POSTER SESSION I** (Rms 206,211,212)

9:45-10:05 am **Coffee Break & Poster Session I Walkabout** (Rms 206,211, & 212)

10:05 – 11:05 am **Poster Session I Tour, Groups A-F** (Rms 206,211, & 212)
(3-5 minute presentation + 5 minutes for questions)

GROUP A (Rm 206):

Chairs/Judges: Drs Janet Bodley and Abeha Satkunararatnam

Judge: Dr Guylaine Lefebvre

P-A1 Diagnostic Discordance between Imaging & Pathologic Diagnoses of Fetal Cystic Lung Malformations

Ali Al-Ibrahim[F], Ashok Mittal, Karel O'Brien, Sharon Unger, Jack Langer, Ernest Cutz, Rory Windrim, Gareth Seaward, Greg Ryan

P-A2 A Hospital-Based Method of Assessing Maternal Near-Miss Cases

Melanie E. Campbell[R](1), Jon Barrett(1, 2).

(1)Department of Obstetrics & Gynaecology, University of Toronto. (2)Department of Obstetrics and Gynaecology, Sunnybrook Health Sciences Centre.

P-A3 Reproductive Outcomes After the Use of Tourniquet in Abdominal Myomectomy

Miriam Ang[F](1), Grace Liu(1), Rose Kung(1), Herbert Wong (1), Jamie Kroft (1).

(1) Department of Obstetrics & Gynaecology, Sunnybrook Hospital, University of Toronto

P-A4 Uterine Artery Doppler in Severe Early Onset Intrauterine Growth Restriction

M Higgins [F](1), M Walker(1), C Windrim(1), S Keating(2), J Kingdom(1)

(1) Maternal Fetal Medicine, Department of Obstetrics and Gynaecology, Mount Sinai Hospital, Toronto, (2)Pathology, Mount Sinai Hospital Toronto, University of Toronto

P-A5 Collegial Conflict: Why Can't We Just Get Along?

Julia Kfoury[R], Patricia Lee

Urogynaecology Division, Department of Obstetrics and Gynaecology, Sunnybrook Health Sciences Centre, University of Toronto

P-A6 SPIN: Screening for Placental Health in Nulliparous Women

Emily Wright [O](1), Dr. Sarah Keating (2), Dr. Prakeshkumar Shah (3), Dr. Rory Windrim (1), Dr. Nan Okun (1), Dr. Peter Hawrylyshyn (1), Devi Krieger (4), Dr. Anne Biringer (5), Dr. Sabrina Ahktar (6), and Dr. John Kingdom (1)
(1) Maternal-Fetal Medicine Division, Department of Obstetrics and Gynaecology, Mount Sinai Hospital, (2) Department of Laboratory and Pathology Medicine, Mount Sinai Hospital, (3) Department of Neonatology, Mount Sinai Hospital, (4) Midwives Collective of Toronto, (5) Department of Family Medicine, Mount Sinai Hospital, (6) Department of Family Medicine, Toronto Western Hospital

GROUP B: (Rm 206)

Chairs/Judges: Drs Jon Barrett and Han Keunen

Judge: Dr Wendy Whittle (Dr Robert Casper (B5))

P-B1 Transforming Growth Factor-B1 Regulates Multidrug Resistance at the Developing Blood-Brain Barrier

Stephanie Baello[G](1), Majid Iqbal(1), Enrrico Bloise(1), William Gibb(2) and Stephen Matthews(1).(1)Physiology, University of Toronto and (2)Obstetrics & Gynecology, University of Ottawa.

P-B2 Prenatal Glucocorticoid Treatment Impairs TGF- β 1 Stimulation of Multidrug Resistance in Fetal Brain Endothelial Cells

Samantha Kearney[G](1), Stephanie Baello(1), Majid Iqbal(1), Enrrico Bloise(1), William Gibb(3) and Stephen Matthews(1,2). (1)Physiology, (2)Obstetrics & Gynaecology and Medicine, University of Toronto and (3)Obstetrics & Gynaecology, University of Ottawa.

P-B3 Progesterone Receptor A and Jun/Fos Heterodimer Complex Holds the Potential Switch between Uterine Quiescence and Activation.

Lubna Nadeem[PD](1), Oksana Shynlova(1,3), Xuesen Dong(4), and Stephen Lye(1,2,3). (1)Samuel Lunenfeld Research Institute, Mount Sinai Hospital, Toronto; (2)Depts of Physiology and (3)Ob/Gyn, Univ. Toronto, Canada; (4)Vancouver Prostate Center, University of .British Columbia, Canada.

P-B4 A Case Series of Multiple Gestations in HIV-Positive Pregnant Women.

Laura Sovran [R](1), Jay MacGillivray (2), Mark H. Yudin (1) St. Michael's Hospital, University of Toronto (2) St. Michael's Hospital (3) Department of Obstetrics & Gynaecology, St. Michael's Hospital, University of Toronto

P-B5 Early Anatomy Ultrasound in Women at Increased Risk of Fetal Anomalies

Tim Van Mieghem [F], Janice Lim, Yee-Man Lee, Greg Ryan, Wendy L. Whittle,
Maternal-Fetal Medicine, Department of Obstetrics & Gynaecology, Mount Sinai Hospital, University of Toronto.

P-B6 Probiotic *Lactobacillus rhamnosus* GR-1 supernatant blocks Lipopolysaccharide (LPS)-induced preterm birth in pregnant CD-1 mice.

Siwen Yang [G] (1,2), W Li (2), JRG Challis (1), G Reid (3), SO Kim (3) and AD Bocking(1,2). (1) Depts of Physiology and Obstetrics and Gynaecology, University of Toronto; (2) Samuel Lunenfeld Research Institute, Mt Sinai Hospital, Toronto and (3) Lawson Health Research Institute, Dept of Microbiology and Immunology, Western University, London, Canada.

GROUP C: (Rm 211)

Chairs/Judges: Drs Ellen Greenblatt and John Kingdom

Judge: Dr Adrian Brown

P-C1 Modulation of Vascular Disruption & Inflammation with Human Umbilical Cord Perivascular Cells (HUC-PVCs) Following Spinal Cord Injury

Anna Badner [G](1), Carlotta Peticone (2), Tanya Barretto (2), Schreiber Pereira (2), Reaz Vawda (1, 2), Michael G. Fehlings (1) & Clifford Librach (2, 3,4)
(1) Division of Genetics and Development, Department of Surgery, Toronto Western Research Institute, University Health Network, (2) CReATe Fertility Centre (3) Department of Obstetrics & Gynaecology, University of Toronto (4) Division of Reproductive Endocrinology and Infertility Departments of Obstetrics and Gynaecology, Women's College Hospital, Toronto, Ontario, Canada.

P-C2 Integrating Dynamic microRNA Expression and Epigenetic Control During Somatic Cell Reprogramming

Andrew Corso[G](1), Peter Tonge(1), Jennifer Clancy(2), Hardip Patel(2), Mira Puri(1), International PG Consortium, Thomas Preiss(2), Andras Nagy(1)
(1) Samuel Lunenfeld Research Institute, Mount. Sinai Hospital, University of Toronto, (2) Genome Biology Department, The John Curtin School of Medical Research, Canberra, Australia

P-C3 Effect of the Interval from HCG Administration to Oocyte Retrieval on In Vitro Fertilization Clinical Outcomes.

Basheer S. AlKudmani [F](1, 3), Shir Dar(1, 3), Kevin Quach(1), and Clifford Librach(1, 2, 3)
(1) CReATe Fertility Centre; (2) Division of Reproductive Endocrinology and Infertility, Department of Obstetrics and Gynaecology, Women's College Hospital; (3) Department of Obstetrics & Gynaecology, University of Toronto, Toronto, ON, Canada.

P-C4 A Case of Recurrent Right Catamenial Pneumo/Hemothorax Due to Endometriosis after Previous Interventions Now with a Desire to Conceive.

M. Boutet [F](1), A. Satkunaratham (1)
(1) Department of Obstetrics & Gynaecology, St. Michael's Hospital, University of Toronto

P-C5 Evaluation of Complement Cascade Factors in Serum and Follicular Fluid of Patients with lean Polycystic Ovarian Syndrome (PCOS)

Esther Lau[M](1,2), Shlomit Kenigsberg(2), Clifford Librach(2,3,4)
(1) Faculty of Medicine, University of Toronto; (2)CReATe Fertility Centre; (3) Department of Obstetrics and Gynaecology, University of Toronto;(3)Division of Reproductive Endocrinology and Infertility Departments of Obstetrics and Gynaecology, Women's College Hospital, Toronto, Ontario, Canada

P-C6 High Grade Serous Ovarian Cancer Xenografts: Pre-Clinical Predictors of Response to Chemotherapy

Paulina Cybulska[G](1, 2), Jocelyn M. Stewart (3), Blaise Clarke (4), Marcus Q. Bernardini (2, 5), Benjamin G. Neel (3, 6)
(1) Institute of Medical Science, (2) Department of Obstetrics & Gynaecology, (3) Department of Medical Biophysics, (4) Departments of Laboratory Medicine, Pathobiology & Radiation Oncology, (5) Division of Gynecologic Oncology, (6) Ontario Cancer Institute

GROUP D: (Rm 211)

Chairs/Judges: Drs Heather Shapiro and Theodore J Brown

Judge: Dr Marjorie Dixon

P-D1 Generating Partially Reprogrammed Kidney Tubule Cells and Evaluating Their Potential in Kidney Repair

Theresa Chow [G] (1,2), Jennifer Whiteley (1), Mira Li (1), Ian Rogers (1,2,3)

(1) Samuel Lunenfeld Research Institute, Mt. Sinai Hospital, Toronto, Canada

(2) Department of Physiology, University of Toronto, Toronto, Canada

(3) Department of Obstetrics and Gynaecology, University of Toronto, Canada

P-D2 TALEn-assisted Generation of a Docking Site at a Silent but Doxycycline Inducible Expression Site

Qin Liang [G](1) (2), Claudio Monetti (2), Iacovos Michael (2), Andras Nagy (1)

(2) (3). (1) Institute of Medical Science, University of Toronto (2) Samuel Lunenfeld

Research Institute, Mount Sinai Hospital, (3) Department of Obstetrics &

Gynaecology, University of Toronto

P-D3 Characterization of Cell-Secreted Vesicles (Exosomes) in Human Ovarian Follicular Fluid from Subgroups of Women Undergoing IVF.

Arshia Azizeddin [O](1), Paula Mckie (1), Bahar Behrouzi (1), Araslanova Rakhna (1,4), Andrée Gauthier-Fisher (1), Shlomit Kenigsberg (1), Librach CL (1,2,3)

(1)CReATe Fertility Centre; (2) Department of Obstetrics and Gynaecology, University of Toronto;(3)Division of Reproductive Endocrinology and Infertility Department of Obstetrics and Gynaecology, Women's College Hospital, Toronto, Ontario, Canada. (4) Faculty of Medicine, University of Ottawa

P-D4 Development of a Telomere Length Assay for Human Spermatozoa

Pamela L. Chan[G](1); Shlomit Kenigsberg(1); Sergey Moskvovtsev(1, 2);

Clifford Librach(1, 2, 3)

(1) CReATe Fertility Center; (2) Department of Obstetrics & Gynaecology, University of Toronto; (3) Department of Obstetrics & Gynaecology, Sunnybrook Health Sciences Centre and Women's College Hospital.

P-D5 Regulation of Multidrug Resistance in Term Human Placental Explants in Culture

Mohsen Javam [G] (1), Melanie C. Audette (1,3), William Gibb (4), and Stephen G. Matthews (1,2,3). (1) Physiology, (2) Ob-Gyn, (3) Medicine, University of Toronto, Canada; (4) Ob-Gyn, University of Ottawa, Canada

P-D6 Telomere Shortening is Dependent upon Maternal Nutritional Environment and is not Counteracted By Telomerase

Richard K Maganga [G](1), Kristin L Connor(2), Craig E Pennell(1) & Stephen J Lye(2,3)

(1) School of Women's and Infants' Health, University of Western Australia; (2) Samuel Lunenfeld Research Institute, Mount Sinai Hospital, (3) Obstetrics & Gynaecology, University of Toronto.

GROUP E: (Rm 212)

Chairs/Judges: Drs Carl Laskin and Navid Esfandiari

Judge: Dr Sony Sierra

P-E1 Human Umbilical Cord-Derived Perivascular Cells (HUC-Pvcs) Can Differentiate Towards the Schwann Cell Lineage.

Matthew Librach [O](1), Leila Maghen (1), Katya Park (1), Tanya Barretto(1), Schreiber Pereira (1), Andr  e Gauthier-Fisher (1), Clifford L. Librach (1,2,3)

(1) CReATe Fertility Centre; (2) Department of Obstetrics and Gynaecology, University of Toronto; (3) Division of Reproductive Endocrinology and Infertility Departments of Obstetrics and Gynaecology, Women's College Hospital, Toronto, Ontario, Canada.

P-E2 Expression of Veph1 during Mouse Embryo Development and in Adult Tissues.

Thomasina Spybey [G](1,2,3), Premalatha Shathasivam (1,2,3), Alexandra Kollara (1,2), Theodore J. Brown (1,2,3).

(1) Samuel Lunenfeld Research Institute, Mount Sinai Hospital (2) Department of Obstetrics and Gynaecology, Faculty of Medicine, University of Toronto, (3) Department of Physiology, Faculty of Medicine, University of Toronto

P-E3 Reproductive Literacy Level in the Female Population Attending a Canadian Fertility Clinic

Eunice Cho [M](1), Kevin Quach(2), Jan Silverman(2), and Clifford Librach(2, 3, 4)

(1) School of Medicine, University of Toronto; (2) CReATe Fertility Centre; (3) Department of Obstetrics and Gynaecology, University of Toronto; (4) Division of Reproductive Endocrinology and Infertility, Department of Obstetrics and Gynaecology, Women's College Hospital, Toronto, ON, Canada.

P-E4 IVF/ICSI Outcome in Patients with a Markedly High DNA Fragmentation Index (DFI>50%)

Shir Dar [F](1, 2), Stephanie A. Grover(1), Sergey I. Moskovtsev(1,2), Sonja Swanson(1), Ari Baratz and Clifford L. Librach(1, 2, 3)
(1) CReATe Fertility Center; (2) Department of Obstetrics & Gynaecology, University of Toronto; (3) Division of Reproductive Endocrinology and Infertility, Department of Obstetrics and Gynaecology, Women's College Hospital, Toronto, Ontario, Canada

P-E5 Novel Regimen of Hormone Replacement Therapy Efficacy and Safety of Transdermal Estrogen plus Intermittent Progesterone

Hala Gomaa[F](1), Debra Evaniuk(1), Wendy Wolfman(1).
(1) Department of Obstetrics & Gynaecology, Mount Sinai Hospital, University of Toronto.

P-E6 Evaluation of Human Umbilical Cord-Derived Perivascular Cells in Cardiac Regeneration

Peter Szaraz [PD](1), SH Hong(1)*, L Maghen(1), A Gauthier-Fisher(1), CL Librach(1,2,3)
(1)CReATe Fertility Centre; (2)Department of Obstetrics and Gynaecology, University of Toronto; (3)Division of Reproductive Endocrinology and Infertility Departments of Obstetrics and Gynaecology, Women's College Hospital.

GROUP F: Rm 212

Chairs/Judges: Drs Sarah Ferguson and Arthur Zaltz

Judge: Dr Wendy Wolfman

P-F1 The Cost Analysis of Laparoscopic versus Abdominal versus Minilaparotomy Myomectomy Procedures in Women with Fibroids: A Canadian Perspective

Brian J. Liu [R], Rose C. Kung, Cliff Librach, Herbert M. Wong, Jamie Kroft, and Grace Y. Liu. Department of Obstetrics & Gynaecology, Sunnybrook Hospital, University of Toronto.

- P-F2 Isolated Tubal Torsion Cases in a Pediatric and Adolescent Gynaecology Population: Retrospective Review of Presentation and Management**
Genevieve K. Lennox[R](1). Lisa Allen (1,2), Sari Kives (1,2), Yolanda A. Kirkham, MA, MD, FRCSC* (1,3).(1) Department of Obstetrics and Gynaecology, University of Toronto, Toronto, Canada, 2) Section of Pediatric and Adolescent Gynaecology, The Hospital for Sick Children, Toronto, Canada, 3) Department of Gynaecology, Women's College Hospital, Toronto, Canada
- P-F3 The Recurrence Rate of Ovarian Dermoid Cysts in Paediatric and Adolescent Girls**
Erin Rogers [O](1), Lisa Allen(1) & Sari Kives(1)
(1)Department of Adolescent Gynaecology, Hospital for Sick Children, University of Toronto, Toronto ON.
- P-F4 Obstetric Risks and Outcomes of Refugee Women at a Single Centre in Toronto, Canada**
Tharani Kandasamy[R](1), Rachel Spitzer (2), Mark Yudin (3), Rajiv Shah (3), and Rebecca Cherniak (4). (1)Obstetrics and Gynaecology, Postgraduate Medical Education, University of Toronto, (2) Department of Obstetrics & Gynaecology, Mount Sinai Hospital, (3)Department of Obstetrics and Gynaecology, St. Michael's Hospital, University of Toronto, (4) Undergraduate Medical Education, McGill University.
- P-F5 Case Study: Large Endometrial Polyp Presents with Abnormal Vaginal Discharge**
Katelyn Smith[M], Marianne Boutet, Abheha Satkunaratnam. University of Toronto and St Michael's Hospital.
- P-F6 Access to Fertility Services for Lesbian Women in Canada**
Helena Frecker [R] (1), Shannon Corbett (2), Heather Shapiro (3), Mark Yudin (4)
(1) Department of Obstetrics and Gynaecology, University of Toronto, (2) Ottawa Fertility Centre, University of Ottawa, (3) Department of Obstetrics and Gynaecology, Mount Sinai Hospital, (4) Department of Obstetrics and Gynaecology, St. Michael's Hospital

ORAL SESSION II (Old Chapel, Rm 213)

11:10 am **Oral Session II** (4 presentations @15 minutes: 10 minute presentation + 5 minutes
-12:10 for questions) **(O6-O9)** (Old Chapel, Rm 213)

pm **Chair:** Dr Howard Berger

Judges: Drs Nan Okun and Ori Nevo

11:10- **O6 Single Course Antenatal Glucocorticoid Has Multigenerational** 11:25 **Effects on Growth, Endocrine Function and Behavior**

Vasilis G Moisiadis[G](1), Paul Blakeley(1), Alisa Kostaki(1) and Stephen G Matthews (1,2,3) Departments of (1)Physiology, (2)Ob-Gyn and (3)Medicine. University of Toronto

11:25- **O7 Treatment of Low-Risk Gestational Trophoblastic Neoplasia: A** 11:40 **Probabilistic Decision Analysis Model**

Clare J. Reade[F](1), Ray Osborne (2), Neil Shah (3), Lua R. Eiriksson (1), Jason Dodge (4), Francois Moens (5), Ron Goeree (6).
(1)Division of Gynecologic Oncology, University of Toronto, (2)Odette Cancer Center, Sunnybrook Health Sciences, Toronto, (3)Brigham & Women's Hospital, Boston, MA, (4)Princess Margaret Hospital, Toronto, (5)Juravinski Cancer Centre, Hamilton, (6)PATH Research Institute, McMaster University, Hamilton

11:40- **O8 Soluble Endoglin and VEGF Interfere with BMP9 Signaling to** 11:55 **Block Endothelin-1 Production in Endothelial Cells.**

Valentin Sotov [G] (1,2), and Michelle Letarte (1,2,3).
(1) Molecular Structure and Function Program, Hospital For Sick Children (2) Department of Immunology, University of Toronto (3) Department of Obstetrics and Gynaecology and Heart and Stroke Richard Lewar Centre of Excellence, University of Toronto.

11:55- **O9 Outcomes of HIV-Exposed Uninfected Infants Requiring Nicu** 12:10 **Admission: A Ten-Year Retrospective Review**

Evan Taerk [R](1), Daniella Caprara(1), Doug Campbell(2), Mark Yudin(3)
(1)Department of Obstetrics & Gynaecology, University of Toronto, (2) Department of Paediatrics, St. Michaels Hospital, University of Toronto, (3) Department of Obstetrics, Gynaecology, & Reproductive Infectious Diseases, St. Michael's Hospital, University of Toronto.

12:15 – 1:15 p.m. **LUNCH** (Alumni Hall, First Floor, Rm 112)

ORAL SESSION III (Old Chapel, Rm 213)

1:20 – 2:35 p.m. **Oral Session III (O10-O14)** (5 presentations @15 minutes – 10 minute presentation + 5 minutes for questions)(Old Chapel, Rm 213)

Chair/Judge: Dr S Lee Adamson

Judges: Drs Isabella Caniggia and Robert Casper

1:20-1:35 **O10 Multidisciplinary Management of Invasive Placenta Previa**

Melissa Walker[M](1), Lisa Allen(1), Rory C. Windrim(1), John R. Kachura(2), Lindsay Pollard(1), Sophia Pantazi(2), Sarah Keating(3), Jose C.A. Carvalho(4), John C.P. Kingdom(1).

(1) Department of Obstetrics & Gynaecology, (2) Medical Imaging, (3) Laboratory Medicine, and (4) Anaesthesia, Mount Sinai Hospital, University of Toronto.

1:35-1:50 **O11 In Vitro Differentiation Human Umbilical Cord-Derived Perivascular Cells (PVCS) into Sertoli- and Germ Cell-Like Cells.**

Ekaterina Shlush [F](1), Leila Maghen (1), Seok-Ho Hong(1), Shlomit Kenigsberg(1), Andrée Gauthier-Fisher (1) and Clifford L. Librach (1,2,3) (1) CReATe Fertility Center; (2) Department of Obstetrics & Gynaecology, University of Toronto; (3) Division of Reproductive Endocrinology and Infertility, Department of Obstetrics and Gynaecology, Women's College Hospital, Toronto.

1:50-2:05 **O12 Low-Volume Ascites in Patients Diagnosed with Serous Ovarian Cancer Indicates a Better Prognosis and Associates with Up-Regulation of Tumor Immune Response Genes.**

Tomer Feigenberg [F](1), Blaise Clarke (2), Carl Virtanen (3), Michelle Letarte (1,4), Alexandra Kollara (1,5), Barry Rosen (1,6), Marcus Bernardini (1,6), Theodore Brown (1,4), and K. Joan Murphy (1,6). (1)Department of Obstetrics and Gynaecology, University of Toronto; (2)Department of Pathology, University Health Network; (3)Ontario Cancer Institute Genomics Centre; (4)Hospital for Sick Children and Department of Immunology, University of Toronto; (5)Samuel Lunenfeld Research Institute, Mt. Sinai Hospital; (6)Division of Gynecologic Oncology, Princess Margaret Hospital.

2:05-2:20 **O13 Transvaginal Cervico-Isthmic Cerclage: Surgical and Obstetrical Outcomes Compared with Laparoscopic Assisted Cervico-Isthmic Cerclage**

Na Tisha Robinson[F], L Allen, M Morton, R Windrim, WL Whittle, Mount Sinai Hospital, University of Toronto.

2:20-2:35 **O14 Combined Cell and Gene Therapy towards the Treatment of Age-related Macular Degeneration and Diabetic Retinopathy**
Sabiha Hacibekiroglu [PD] (1) (2), Iacovos P Michael (1), Peter Westenskow (3), Brian Ballios (4), Molly Shoichet (4) (5), Derek van der Kooy (4) (6), Martin Friedlander (3), Andras Nagy (1) (7) (1) Samuel Lunenfeld Research Institute/Mount Sinai Hospital, Toronto, ON, Canada, (2) Institute of Medical Science, University of Toronto, Toronto, ON, Canada (3) The Scripps Research Institute, San Diego, CA, USA, (4) Donnelly Centre for Cellular and Biomolecular Research, Toronto, ON, Canada, (5) Departments of Chemical Engineering & Applied Chemistry; Chemistry, University of Toronto, Toronto, ON, Canada, (6) Department of Medical Biophysics, University of Toronto, Toronto, ON, Canada (7) Department of Obstetrics & Gynaecology, University of Toronto

2:35– 4:05 p.m. **POSTER SESSION II** (Rms 206,211, 212)
2:35 – 3:05 p.m. **Coffee Break & Poster Session II Walkabout** (2nd Floor Foyer and Rms 206, 211, 212)

3:05 – 4:05 p.m. **Poster Session II Tour** (Rms 206,211, 212)
(3-5 minute presentation + 5 minutes for questions)
Groups G-L

GROUP G: Rm 206

Chairs/Judges: Drs Andrea Jurisicova and Yaakov Bentov

Judge: Dr Anne Claessens

P-G1 Human Umbilical Cord-Derived Perivascular Cells from Early and Late Gestational Sources Express and Secrete Different Levels of Galectins.

Walaa Almutawaa[O](1), Himani Sharma (1), Leila Maghen (1), Ashley Rammeloo (1), Shlomit Kenigsberg (1), Andrée Gauthier-Fisher (1), Librach CL (1,2,3) (1)CReATe Fertility Centre; (2) Department of Obstetrics and Gynaecology, University of Toronto;(3) Division of Reproductive Endocrinology and Infertility Departments of Obstetrics and Gynaecology, Women's College Hospital, Toronto, Ontario, Canada.

P-G2 Profiling the Expression of Secreted Factors and Receptors in Human Umbilical Cord-Derived Perivascular Cells (HUV-PVCs).

Katya Park [PD] (1), Leila Maghen (1), Ashley Rammeloo(1), Tanya Barretto (1), Shlomit Kenigsberg (1), Andrée Gauthier-Fisher (1), Clifford L. Librach (1,2,3) (1) CReATe Fertility Centre; (2) Department of Obstetrics & Gynaecology, University of Toronto; (3) Division of Reproductive Endocrinology & Infertility Departments of Obstetrics & Gynaecology, Women's College Hospital.

- P-G3 Identifying and Quantifying Exosomes in Human Seminal Fluid**
Parshvi Vyas [M](1, 2), Paula Mackie (1), Sergey Moskovtsev (1,2), Shlomit Kenigsburg (1), and Clifford L. Librach (1, 3, 4)
(1) CReATe Fertility Centre; (2) Division of Genes, Genetics & Biotechnology, University of Toronto; (3) Department of Obstetrics and Gynaecology, University of Toronto; (4) Division of Reproductive Endocrinology and Infertility Departments of Obstetrics and Gynaecology, Women's College Hospital.
- P-G4 The Hormonal Regulation of the Novel Reproductive Peptide Phoenixin in NPY And GnRH Hypothalamic Models ny Estrogen, Insulin and Leptin.**
Alice K. Treen [G] (1) and Denise D. Belsham (1,2)
(1) Department of Physiology, Faculty of Medicine University of Toronto (2) Department of Obstetrics and Gynaecology, Faculty of Medicine University of Toronto
- P-G5 Direct Regulation of Reproductive-Related Genes in Kisspeptin-Expressing Neurons Using Novel Hypothalamic Cell Models**
Zoey Friedman[F](1), Dr. D Belsham (2).
(1)Departments of Physiology, (2)Obstetrics and Gynaecology, and Medicine, University of Toronto; Division of Cellular and Molecular Biology, Toronto General Hospital Research Institute, University Health Network, Toronto.
- P-G6 Decidual Neutrophils: A Novel Role in Second Trimester Vascular Remodeling**
Melissa Kwan[G](1), Caroline Dunk (2), Hagai Amsalem (3), Stephen J. Lye (1,2,4)
(1)Department of Physiology, University of Toronto, (2)Samuel Lunenfeld Research Institute, Mount Sinai Hospital, (3)Hadassah School of Medicine, Jerusalem, Israel, (4)Department of Obstetrics & Gynaecology, University of Toronto

GROUP H: Rm 206

Chairs/Judges: Drs Rose Kung and Joan Murphy

Judge: Dr. Prati Sharma

P-H1 Characterizing the Gene Expression Pattern of Myometrial Mmps and TIMPS throughout Pregnancy, Labour and Post-Partum in Rats

Tina Tu-Thu Ngoc Nguyen [G](1.3), Oksana Shynlova(1,2) And Stephen Lye(1.2.3)

(1)Samuel Lunenfeld Research Institute, Mount Sinai Hospital;(2)Department Of Obstetrics And Gynaecology, University Of Toronto; (3)Department Of Physiology, University Of Toronto.

P-H2 Coordinated Modification of Decidual NK Cell Phenotype and Function During Human Pregnancy

Jianhong Zhang [PD] (1), Caroline E. Dunk (1) and Stephen J. Lye (1,2,3)
1, Samuel Lunenfeld Research Institute, Mount Sinai Hospital, Toronto, M5T 3H7, Canada

2, Department of Physiology, University of Toronto, Toronto, M5S 1A8, Canada

3, Department of Obstetrics and Gynaecology, University of Toronto

P-H3 Vaginal Fibroblasts Derived from Women with and without Severe Pelvic Organ Prolapse Display Differential Cellular Characteristics and Reaction to Mechanical Stretch

Hala Kufaishi [G](1.4), May Alarab(1.4), Harold Drutz(2.4), Stephen Lye(1.2.3), Oksana Shynlova(1,4)(1)Samuel Lunenfeld Research Institute, Mount Sinai Hospital, Department of (2)Ob/Gyn; (3)Physiology & (4)Urogynaecology, University of Toronto

P-H4 Incidence and Risk Factors for Post-operative Urinary Retention (PUR) in Pelvic Reconstructive Surgery

Katherine Lo [F], Patricia Lee

Urogynaecology Division, Department of Obstetrics and Gynaecology, Sunnybrook Health Sciences Centre

P-H5 Attachment and Proliferation of Primary Vaginal Fibroblasts to Absorbable and Non-Absorbable Implant Materials Coated with Platelet Rich Plasma: Potential Application in Pelvic Organ Prolapse Surgery (Work-in-progress)

Sebastian Medel [F](1), Oksana Shynlova(2), Harold Drutz (1), May Alarab(1)
(1) Division of Urogynaecology and Reconstructive Pelvic Surgery, Department of Obstetrics & Gynaecology, Mount Sinai Hospital, (2) Samuel Lunenfeld Research Institute, Mount Sinai Hospital, University of Toronto.

P-H6 The Effect of Fertility Awareness on the Duration of Infertility Prior to Women Seeking Medical Treatment

Brenna E. Swift [M] (1) Kimberly Liu (1)
(1) Mount Sinai Centre for Fertility and Reproductive Health, University of Toronto

GROUP I: Rm 211

Chairs/Judges: Drs Oksana Shynlova and Clifford Librach

Judge: Dr Christine Derzko

P-I1 Effects of Heparin on Cell Proliferation in the Mouse Placenta: Implications for Elucidating the Underlying Mechanisms of Pre-eclampsia

Farshad Ghasemi [G], John Kingdom, S. Lee Adamson Samuel Lunenfeld Research Institute, Mount Sinai Hospital, and Departments of Obstetrics and Gynecology, and Physiology, University of Toronto

P-I2 Effect of Unilateral Ovariectomy and Fetectomy on Murine Placental Angiogenesis in Late Gestation

Sarah Isaac [G], Dr. Andras Nagy, Dr. S. Lee Adamson Samuel Lunenfeld Research Institute, Mount Sinai Hospital, and Departments of Obstetrics and Gynaecology, and Physiology, University of Toronto

P-I3 The Role of TGF β in Regulating Acid Ceramidase Expression in the Human Placenta.

Sarah Chauvin [G], Isabella Caniggia.
Samuel Lunenfeld Research Institute, Mount Sinai Hospital, Department of Obstetrics & Gynaecology and Physiology, University of Toronto.

P-I4 Disruption of Sphingolipid Metabolism Augments Placental Autophagy
Megan Melland-Smith [O], Leonardo Ermini, Martin Post and Isabella Caniggia
Samuel Lunenfeld Research Institute, Mount Sinai Hospital, Department of Obstetrics and Gynaecology, Hospital for Sick Children; University of Toronto. .

P-I5 2-Methoxyestradiol Regulates VEGFR-2 And sFlt-1 Expression in Human First Trimester Placental Explants
Dennis K. Lee[PD] and Ori Nevo.
Department of Obstetrics and Gynaecology, Sunnybrook Health Sciences Centre and University of Toronto.

P-I6 Novel Mechanisms of HIF-1 α Regulation in Gestational Diabetes
Sruthi Alahari [G] and Isabella Caniggia.
Samuel Lunenfeld Research Institute, Mount Sinai Hospital, Department of Obstetrics and Gynaecology & Physiology, University of Toronto

GROUP J: Rm 211
Chairs/Judges: Drs Allan Covens and Richard Pittini
Judge: Dr Sari Kives

P-J1 Designing an In Vitro Model of Kidney Differentiation and a Co-Culture System with Decellularized Matrices
Manpreet Sambi [G] (1,2), Theresa Chow (1,2), Jennifer Whiteley (1), Ian Rogers (1,2,3)
(1)Samuel Lunenfeld Research Institute, Mt. Sinai Hospital, Toronto, Canada
(2)Department of Physiology, University of Toronto, Toronto, Canada
(3)Department of Obstetrics and Gynecology, University of Toronto, Canada

P-J2 The Impact of Socioeconomic Status and Fertility-Related Health Literacy on the Decision by Healthy Women to Undergo Elective Ovum Cryopreservation: A Needs Assessment Pilot Study.
Rosamond Loughheed [M] (1), Kevin Quach(2), Jan Silverman(2), and Clifford Librach(2, 3, 4)
(1) School of Medicine, University of Toronto; (2) CReATe Fertility Centre; (3) Department of Obstetrics and Gynaecology, University of Toronto; (4) Division of Reproductive Endocrinology and Infertility, Department of Obstetrics and Gynaecology, Women's College Hospital, Toronto, ON, Canada.

- P-J3 Evaluation of Human Umbilical Cord-Derived Stem Cells for Tissue Regeneration in a Mouse Model of Drug-Induced Liver Injury.**
Marina Vainder [M]*(1), Leila Maghen*(1), Tanya Barretto (1), Schreiber Pereira (1), Andrée Gauthier-Fisher(1), Clifford Librach(1). (1) CReATe Fertility Centre; (2) Department of Obstetrics and Gynaecology, University of Toronto; (3) Division of Reproductive Endocrinology and Infertility Departments of Obstetrics and Gynaecology, Women's College Hospital, Toronto, Ontario, Canada. * authors contributed equally
- P-J4 A Comparison of Ovarian Reserve in BRCA Positive Women with a Diagnosis of Breast Cancer Versus BRCA Negative Controls**
Ariadne Daniel [F], Ellen Greenblatt
Division of Reproductive Endocrinology and Infertility, Department of Obstetrics & Gynaecology, Center for Fertility and Reproductive Health, Mount Sinai Hospital
- P-J5 A Retrospective Study Comparing the Efficacy of a Minimal Stimulation Protocol (Letrozole/Gonadotropin Overlapping) to a High Dose Antagonist Stimulation Protocol for Low Responders in IVF Cycles**
Tal Lazer [F](1,3), Shir Dar(1,3), Ekaterina Shlush(1,3), Basheer S. AlKudmani(1,3), Prati Sharma(1,2,3), Ari Baratz(1,2,3), Karen Glass(1,2,3), and Clifford L. Librach(1,2,3)
(1) CReATe Fertility Centre; (2) Division of Reproductive Endocrinology and Infertility, Department of Obstetrics and Gynaecology, Women's College Hospital; (3) Department of Obstetrics & Gynaecology, University of Toronto

GROUP K: Rm 212

Chairs/Judges: Drs Caroline Dunk and May Alarab

Judge: Dr Rebecca Arthur

P-K1 Challenges of Conducting Clinical Trials in Adolescents on Oral Contraceptive Regimens

Barlow E[F](1), Jamil M(2), Kives S(2)', Spitzer RF(1)', Leslie K(1)', Brown CM(1)', Allen L(1)'

(1)Division of Paediatric and Adolescent Gynaecology', Department of Paediatrics, (2)Division of Endocrinology, Hospital for Sick Children, University of Toronto.

P-K2 Screening for Lynch Syndrome in Unselected Women with Endometrial Cancer.

Lua R. Eiriksson[F](1), Blaise Clarke(7), Melyssa Aronson(3), Golnessa Mojtahedi(4), Aaron Pollett(3), Steve Gallinger(5), Amit M. Oza(6), Helen Mackay(6), Marcus Q. Bernardini(2), Jordan Lerner-Ellis(2), Sarah E. Ferguson(2)

P-K3 Impact of *BRCA1* or 2 Mutation Status on the Response of Fallopian Tube Epithelial Cells to Follicular Fluid Exposure.

Angela Lau [G](1-3), Carl Virtanen (4), Terry Colgan (2,5), Alicia Tone (6), Lisa Allen (2), Michele Farrugia (2), Elyse Levinsky (2), Jodi Shapiro (2), Ellen M. Greenblatt (2), K. Joan Murphy (2,6), Barry Rosen (2,6), and Theodore J. Brown (1-3).

(1) Samuel Lunenfeld Research Institute, Mount Sinai Hospital, (2) Department of Obstetrics and Gynaecology, University of Toronto, (3) Department of Physiology, University of Toronto, (4) OCI Genomics Centre, (5) Department of Pathology, Mount Sinai Hospital, (6) Division of Gynecologic Oncology, Princess Margaret Hospital.

P-K4 Does Aggressive Primary Debulking Surgery Influence Survival in Ovarian Cancer?

Yakir Segev [F](1,2), Barry Rosen (1), Joan Murphy MD FRCSC(1), Stephane Laframboise MD FRCSC(1), Jason Dodge MD FRCSC(1), Sarah Ferguson MD FRCSC(1), Marcus Bernardini MD FRCSC(1), Brendan Charles BSc(1), Ping Sun PhD(2), Steven Narod MD PhD(2)

P-K5 VEPH1 Diminishes TGF- β -Induced Gene Responses and Alters the Transcriptome of SKOV3 Ovarian Cancer Cells

Premalatha Shathasivam [PD](1,2), Alexandra Kollara(1,2), Carl Virtanen(3), and Theodore J. Brown(1,2).

(1)Samuel Lunenfeld Research Institute, Mount Sinai Hospital and (2)Department of Obstetrics and Gynaecology, University of Toronto; (3)OCI Genomics Centre,

P-K6 Fibroid Infected with *Escherichia coli* Requiring Myomectomy Following Uterine Artery Embolization (UAE)

Lynn Sterling [R](1), Marianne Boutet[F](2), Errol Colak(3), Guylaine Lefebvre(2)

(1) Department of Obstetrics & Gynaecology, University of Toronto (2) Department of Obstetrics & Gynaecology, St. Michael's Hospital (3) Department of Medical Imaging, St. Michael's Hospital

GROUP L: Rm 212

Chairs/Judges: Drs Lisa Allen and Elliot Lyons

Judge: Dr Rory Windrim

P-L1 Applying Learning Principles to Guide Teaching Practice for Under and Post Graduate Learners

Ashraf Dawood [F], Artin Ternamian. St. Joseph's Health Centre, Department of Obstetrics and Gynaecology, University of Toronto

P-L2 Surgical Safety Checklist Implementation in a Low Resource Setting

Sarah Sinasac [F](1), Barry Rosen(1), Omenge Orang'o(2), Peter Itsura(2), Genvieve Bouchard-Fortier(3), Louise Gagnon(3).

(1) Division of Gynecologic Oncology, Department of Obstetrics and Gynaecology, University of Toronto (2) Department of Reproductive Health, Moi Teaching and Referral Hospital, Eldoret, Kenya (3) Department of Obstetrics and Gynaecology, University of Toronto

P-L3 Resident Ultrasound Education Project– Is the Current Level of GYN Ultrasound Training Meeting the Needs of Residents?

Jessica Green [R], Suzanne Wong

St Joseph's Health Centre and Department of Obstetrics and Gynaecology, University of Toronto

P-L4 Maternal and Fetal Outcomes of Intimate Partner Violence Associated with Pregnancy in the Latin American and Caribbean Region: A Review

Alice Han [R](1), Donna Stewart (2)

(1) Department of Obstetrics & Gynaecology, University of Toronto, (2) University Health Network, University of Toronto

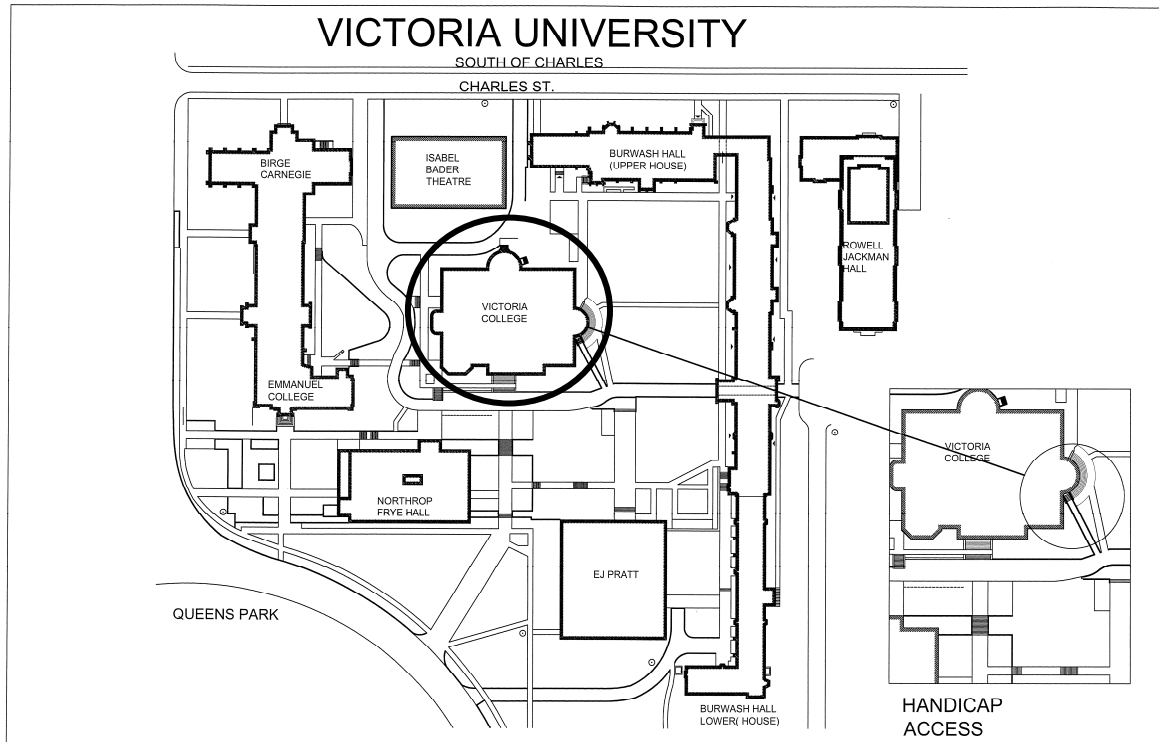
- P-L5 Evaluation of the Impact of an Emergency Obstetric and Neonatal Care (EMONC) Training Program at a Referral Centre in Kenya**
Julie Thorne[R](1), Rachel F. Spitzer(1), Sarah Jane Taleski(2), David Caloia(1), Alan D. Bocking(1), Astrid Christoffersen-Deb(1,3) Loise Maina(4), Johanna Sitters(4), Benjamin Chemwolo(4), Elkanah Omenge(3).
 (1)Faculty of Medicine, University of Toronto, Toronto, Canada; (2)Dalla Lana School of Public Health, University of Toronto, Toronto, Canada ; (3)Moi University School of Medicine, Eldoret, Kenya, . (4)Moi Teaching and Referral Hospital, Eldoret, Kenya.
- P-L6 Design of an Evidence-Based Laparoscopy Curriculum for Gynaecology Residents**
Eliane Shore[F](1), Teodor Grantcharov (2), Guylaine Lefebvre (2 (1) Minimally Invasive Gynaecology Division, Department of Obstetrics and Gynaecology, St. Michael's Hospital, (2)Department of Surgery, St. Michael's Hospital, University of Toronto.
- 4:05 – 4:20 p.m. **Poster Takedown** (Rms 206, 211, 212)
- 4:30 – 5:30 p.m. **Henderson Lecture** (Old Chapel, Rm 213)
Dr Zulfiqar A Bhutta
 Noordin Noormahomed Sheriif Endowed Professor and
 Founding Chair of the Division of Women and Child Health,
 Aga Khan University, Karachi, Pakistan
“Maternal Health and Nutrition: Global Challenges and Solutions!”
- Closing Remarks: Dr Alan Bocking** (Old Chapel, Rm 213)
- 5:30 – 6:30 p.m. **Wine and Cheese Reception and JW Knox Ritchie Research Awards Presentations** (First Floor, Alumni Hall, Rm 112)

RESEARCH DAY 2013 LOCATION:

Research Day will take place in the **Old Vic Building at Victoria University** (a.k.a. Victoria College) at 91 Charles St. West in the middle of the Vic campus on Friday, May 10, 2013.

The building may be seen behind, and is reachable by walking between, Northrop Frye Hall (73 Queen's Park Crescent East) and Emmanuel College (75 Queen's Park Crescent East), all of which are located off the northeast portion of Queen's Park Circle.

The Vic campus is opposite the Royal Ontario Museum and the Museum subway stop. If you are arriving by subway, or from the north, you may wish to walk along Charles Street (east off Avenue opposite the museum) until you get to the first driveway (at the Isabel Bader Theatre). If you walk south down that driveway you will see Old Vic in front of you. It has a number of entrances. The program begins on the 2nd floor.



JW Knox Ritchie Research Award Criteria

Principles:

1. Only a trainee (clinical fellow, graduate student, post-doctoral fellow, medical student or resident affiliated with the University of Toronto Department of Obstetrics and Gynaecology) is eligible for an award.
2. The submitter must be a trainee at the time of submission and at Research Day.
3. If the trainee is in more than one category, i.e. resident and graduate student, both those categories should be noted in the submission.
4. Each trainee may submit only **one** abstract.
5. Work in progress is welcomed and **is eligible** for an award.
6. Trainees must be present during the poster session for the entire period.
7. The trainee is eligible for an award only if he/she presents his/her own work.
8. Those in the **Other** category are not eligible for an award.
9. There will be 5 awards, with a monetary component, based on level of training (Graduate Student, Resident, Clinical Fellow, Post-Doctoral Fellow, Medical Student), rather than type of presentation.
10. Oral = Poster for evaluation purposes.
11. Each presentation is judged by at least 2 people, one or two chairs and one or two judges.
12. Any judge with a conflict in his/her session will cede to an alternate judge for marking.
13. **The winners of these awards are eligible to represent the Department for the APOG (The Association of Professors of Obstetrics and Gynaecology of Canada) Best of the Best national competition.**

Judging Criteria:

The following information will be provided on the judging form. Each criterion is marked from 1-10 with 1 being the *lowest* and 10 being the *highest*, for a maximum total of 50 marks.

Originality = New topic or novel approach? (**Mark out of 10**)

Scientific Merit = Is the topic important and worth studying? Is this a useful examination? Does this research advance the field? (**Mark out of 10**)

Study Design and Analysis = Is the design, and are tests, appropriate and done properly? (**Mark out of 10**)

Interpretation and Conclusions = Does the candidate examine all data and inferences? Are there realistic and practical conclusions? (**Mark out of 10**)

Presentation = Is the presentation, oral or poster, well developed and explained? Is the poster easy to read? Is the candidate able to respond well to questions? (**Mark out of 10**)

Total = addition of criteria columns to a maximum of 50 marks



Obstetrics & Gynaecology UNIVERSITY OF TORONTO

RESEARCH DAY CONTACT INFORMATION

(To accompany abstract submission by email)

30th Annual Research Day

Friday, May 10, 2013

[This is a Word document – please type in the appropriate responses, save under your name, i.e. Jones Contact Information.doc and email, along with your abstract, to: helen.robson@utoronto.ca by **Tuesday, March 8, 2013.**]

Abstract Title:

Category (General Obstetrics & Gynaecology, Gynaecologic Oncology, Gynaecology, Maternal-Fetal Medicine/Obstetrics, Paediatrics and Adolescent Gynaecology, Reproductive Sciences, Urogynaecology or Stem Cell Biology):

Precis: Please provide a one sentence summary of your abstract, with a maximum of 25 words (examples provided with template):

Preference (Oral, Poster, or None):

I VERIFY THAT I HAVE DISCUSSED AND HAD BOTH MY ABSTRACT AND CHOICE OF PRESENTATION APPROVED BY MY SUPERVISOR: _____ (TYPE IN YOUR INITIALS HERE.)

Name of Trainee:

Mode of Address (Mr., Miss, Ms, Mrs., Dr. and include whether M.D. or Ph.D.):

If you receive an award, how would you like your name to appear on the certificate? (eg. Josephina M Doe MD or Josie Doe MD or JM Doe MD):

Affiliation (Hospital, Institute, Department or UT):

Name of Supervisor:

Email address of Supervisor:

University of Toronto Training Status (at submission and Research Day) Please include ALL that apply, eg. a resident also doing a graduate programme should include both. (Graduate Student = G; Resident = R; Clinical Fellow = F; Post-Doctoral Fellow = PD; Medical Student = M):

If not a U of T trainee, please explain status:

Contact Info for Trainee **before** Research Day (**email**, address, telephone, fax, pager number):

Home Address if not as above(**email**, address, telephone):

Please **REVIEW YOUR SUBMISSION WITH YOUR SUPERVISOR** and then complete this form, save it under your last name, i.e. Jones Contact Information.doc and email to Helen Robson, helen.robson@utoronto.ca along with your abstract, by **Monday, March 5, 2012**. Thank you.

Documents and information also at: <http://www.obgyn.utoronto.ca/Research/ResearchDay.htm>

Call for Abstracts

30th Annual University of Toronto Department of Obstetrics and Gynaecology Research Day, Friday, May 10, 2013

Dear Faculty, Staff, Trainees and Guests:

The 30th Annual Research Day of the University of Toronto Department of Obstetrics and Gynaecology will take place from 8:00 a.m. to 6:30 p.m. on **Friday, May 10, 2013** in the **Old Vic Building** at 91 Charles Street, **Victoria University** in the University of Toronto, M5S 1K6.

We are very pleased to welcome the Henderson Lecturer this year, **Dr Zulfiqar A. Bhutta**, the Noordin Noormahomed Sheriif Endowed Professor and Founding Chair of the Division of Women and Child Health, Aga Khan University, Karachi, Pakistan. Dr. Bhutta's research includes newborn and child survival, maternal and child undernutrition and micronutrient deficiencies. He will be speaking on maternal nutrition and impact of health and birth outcomes on Research Day. A short biography is available on our website.

This year's **abstracts** for oral and poster presentations are **due on Tuesday, March 5, 2013**. Please note that those submitting abstracts are asked for their preference of oral or poster presentation. **Please make sure you have your supervisor's approval of your abstract and choice of presentation.**

Please go to our website at <http://www.obgyn.utoronto.ca/Research/ResearchDay.htm> for the following information and links for **abstract submission**:

Call for Abstracts

Abstract Requirements and Template (required for submission)

Contact Information Form (required for submission)

Instructions for Oral Presenters (coming soon)

Instructions for Poster Presenters (coming soon)

Awards Criteria

Research Day Poster

Research Day Booklet (coming soon)

Research Day Programme (coming soon)

Location (coming soon)

If you have any questions with regard to these documents or the process, please contact me at helen.robson@utoronto.ca.

We look forward to another excellent Research Day, where members from every part of the Department are able to come together to share and enjoy all the cutting-edge research our members produce!

Best regards,

Helen Robson

Consultant; Research Coordinator

INSTRUCTIONS FOR ORAL PRESENTERS
University of Toronto Department of Obstetrics & Gynaecology
Research Day, Friday, May 10, 2013

Thank you for submitting your abstract for Research Day. Your abstract has been chosen for an oral presentation. Please see the details below.

Location: Research Day will take place in the **Old Vic Building at Victoria University** (a.k.a. Victoria College) at 91 Charles St. West in the middle of the Vic campus. Please see details and map below or on our website.

Time: Research Day will begin with breakfast at 8:00 a.m. on Friday, May 10, 2013 and end with a wine and cheese reception and award presentation from 5:30 to 6:30 p.m.

Registration: Please **register first**, before you do anything else, in the 2nd floor lobby, between 8:00 and 8:25 a.m., to receive your abstract booklet and instructions.

Oral Session Times: There will be three oral sessions, two in the morning (8:30-9:45 a.m. and 11:10-12:10) and one in the afternoon (1:20-2:35 p.m.).

Presentation: Each oral presentation is 15 minutes: **10 minutes** for the presentation and 5 minutes for questions. **Please note that we will adhere strictly to these time limits!**

Audiovisual Support: All presentations must be in PowerPoint and will be placed on the Department's laptop in advance of Research Day. We would prefer that you bring in your presentation to **92 College** on a USB key and transfer it onto our laptop so that you can preview it **as early as Monday, May 6, 2013, but NO LATER THAN WEDNESDAY, May 8, 2013**. If you cannot come by, then please email your PowerPoint presentation to helen.robson@utoronto.ca. If you foresee any difficulties, please email me ahead of time.

Please provide your own backup (ie USB key) for Research Day.

Awards: **To be eligible for an award, you must be a U of T trainee and present your own work.** Your work and presentation will be judged by the Chair of your oral session and two other Judges for the JW Knox Ritchie Research Awards. There will be 5 awards, with a monetary component, based on level of training (Graduate Student, Resident, Clinical Fellow, Post-Doctoral Fellow, Medical Student), rather than type of presentation. (Please see judging criteria on our website.) These awards will be presented at the wine and cheese reception between 5:30 and 6:30 p.m.

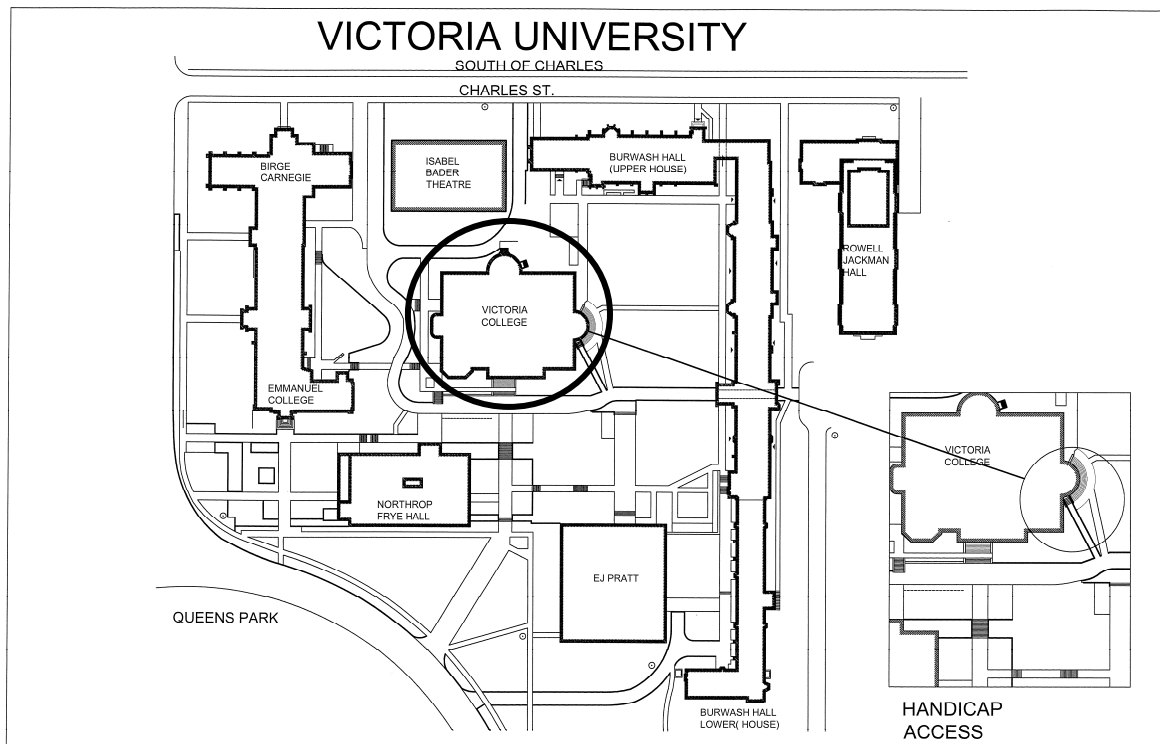
Please see <http://www.obgyn.utoronto.ca/Research/ResearchDay.htm> for information or contact Helen Robson at helen.robson@utoronto.ca

Research Day 2013 Location:

Research Day will take place in the **Old Vic Building at Victoria University** (a.k.a. Victoria College) at 91 Charles St. West in the middle of the Vic campus on Friday, May 10, 2013.

The building may be seen behind, and is reachable by walking between, Northrop Frye Hall (73 Queen's Park Crescent East) and Emmanuel College (75 Queen's Park Crescent East), all of which are located off the northeast portion of Queen's Park Circle.

The Vic campus is opposite the Royal Ontario Museum and the Museum subway stop. If you are arriving by subway, or from the north, you may wish to walk along Charles Street (east off Avenue opposite the museum) until you get to the first driveway (at the Isabel Bader Theatre). If you walk south down that driveway you will see Old Vic in front of you. It has a number of entrances. The program begins on the 2nd floor.



FINAL INSTRUCTIONS FOR POSTER PRESENTERS

University of Toronto Department of Obstetrics and Gynaecology

Research Day, Friday, May 10, 2013

Thank you for submitting your abstract for Research Day. Your abstract has been chosen for a poster presentation. Please see the details below.

Location: Research Day will take place in the **Old Vic Building at Victoria University** (a.k.a. Victoria College) at 91 Charles St. West in the middle of the Vic campus. Please see details and map below or on our website.

Time: Research Day will begin with breakfast at 8:00 a.m. on Friday, May 10, 2013 and end with a wine and cheese reception and award presentation from 5:30 to 6:30 p.m.

Registration: Please **register first**, before you do anything else, in the 2nd floor lobby, between 8:00 and 8:25 a.m., to receive your abstract booklet and instructions.

Poster boards: We will provide each presenter with a 3' high by 6' wide board and velcro for attaching the poster. Boards will be numbered to correspond to the poster numbers provided in your notification and published in the abstract book.

Set-up for Posters: **ALL POSTERS WILL REMAIN UP ALL DAY.** Please mount your posters before the program begins at 8:25 a.m.

Tear-down: Directly after the last poster session, between 4:05 and 4:20 pm.

Poster Session I: The morning session starts with a general walkabout from 9:45 to 10:05 a.m., followed by a Poster Tour from 10:05 to 11:05 a.m.

Poster Session II: The afternoon session will start with a general walkabout from 2:35 to 3:05 p.m., followed by a Poster Tour from 3:05-4:05 p.m.

Poster Tours: Each group will be led by two Chairs, and we have tried to mix basic scientists with clinicians. You must be present the entire time and join the others in your group in the tour. Please be prepared to give a **3-5 minute presentation**, with 5 minutes for discussion/questions. **Please note that strict adherence to timing is essential and we will ring a bell to end each presentation.**

Awards: **To be eligible for an award, you must be a U of T trainee and present your own work.** Your work and presentation will be judged by the Chairs of your poster tour and one other Judge for the JW Knox Ritchie Research Awards. There will be 5 awards, with a monetary component, based on level of training (Graduate Student, Resident, Clinical Fellow, Post-Doctoral Fellow, Medical Student) rather than type of presentation. Please see judging criteria on our website. These awards will be presented at the wine and cheese reception between 5:30 and 6:30 p.m.

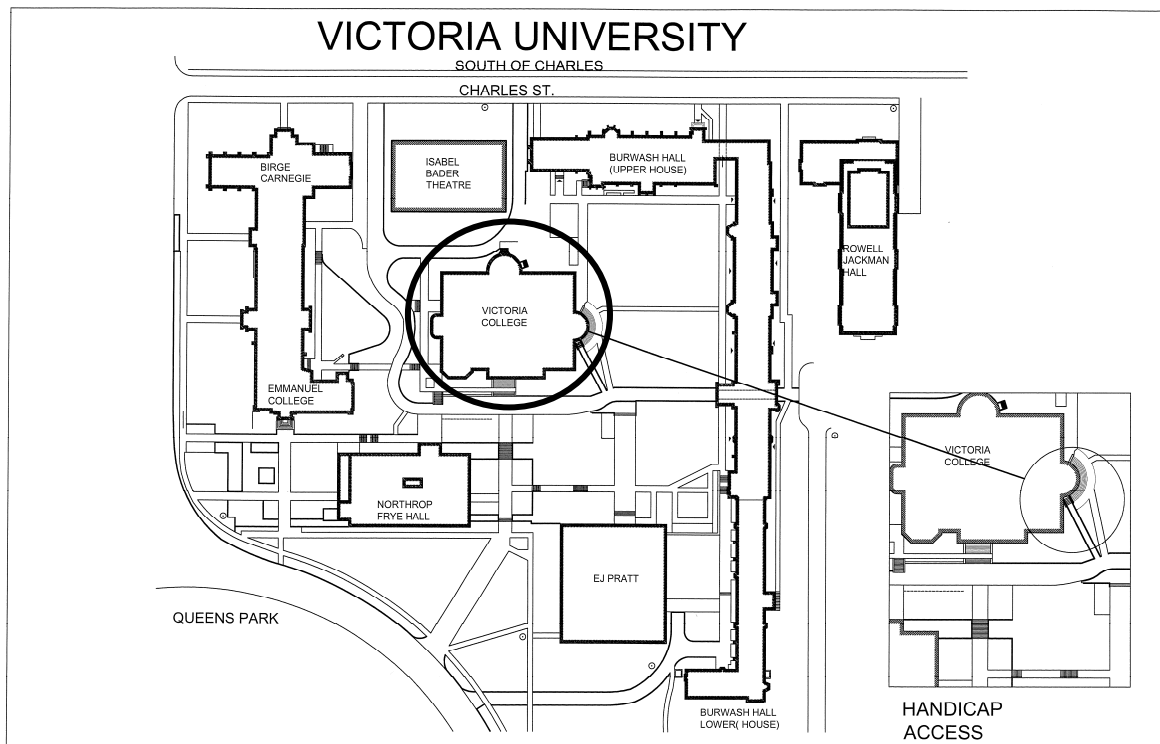
Please see <http://www.obgyn.utoronto.ca/Research/ResearchDay.htm> for more information or contact
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Obstetrics & Gynaecology UNIVERSITY OF TORONTO

RESEARCH DAY ABSTRACT REQUIREMENTS:

PLEASE SUBMIT ONLY ONE ABSTRACT. You may submit work-in-progress but not work which has yet to be done (ie not proposals). Please help us to streamline the process of submission and printing by following the guidelines below.

Format: Word

Margins: top, left, right and bottom all 1 inch

Font: Times New Roman

Font Size: 12

Spacing: Single-spaced

Length: Maximum of **ONE** page

Format: Do not justify or centre.

Structured abstract required with headings:

Objectives

Methods

Results

Conclusions

Template: Please use the attached template for format re titles and names.

Précis: You will be asked to provide, on the contact information form, a sentence of up to 25 words that summarizes your abstract. **[Please note this is a NEW requirement!]**

Training Status: Graduate Student = G; Resident = R; Clinical Fellow = F; Post-Doctoral Fellow = PD; Medical Student = M

Your training status should be incorporated into the author line. Please see template.

Spelling: Please check your spelling and grammar.

Tables are allowed as long as the total length is within the one page limit.

It is preferable to incorporate **graphics**, if you have them, into your poster and **not** your abstract.

Contact information sheet: Please make sure your contact information is correct, with current information and also your permanent address after Research Day, just in case there is a need to communicate with you after the event.

Submitting: PLEASE REVIEW YOUR ABSTRACT AND CHOICE OF ORAL OR POSTER WITH YOUR SUPERVISOR IN ADVANCE OF YOUR SUBMISSION. Please use the template for your **abstract** and **save under your last name**, i.e. Jones Abstract.doc. Please complete the **Contact Information form** and **save under your last name**, i.e. Jones Contact Information.doc. Please **email both** documents to Helen Robson at helen.robson@utoronto.ca by **Tuesday, March 5, 2013**. You will receive an acknowledgement of your submission.

If you have any questions, please contact Helen Robson at helen.robson@utoronto.ca Thank you.

Documents and information on Research Day are also available at:
<http://www.obgyn.utoronto.ca/Research/ResearchDay.htm>

EXAMPLES: Précis (One sentence with up to 25 words summarizing your abstract.)

“SUMO-1 regulates body weight and adipogenesis via PPAR γ in male and female mice.”
(Epidemiology, Feb 1, 2013)

Submitting abstracts on time and following instructions leads to increased efficiency and satisfaction regarding work.

“Bacteria's mysterious skill could be model for treating other conditions.” (Nature, January 2013)

EXAMPLE: ABSTRACT # *[Leave this line as is]*

Assessment of the Fetal Heart Prior to 15 Weeks' Gestation *[Title is in bolded Title case.]*

Fionnuala McAuliffe[F](1), Edgar Jaeggi(2), Lisa Hornberger(2). *[Only the first author is bolded, with designation re training status in square brackets]*

(1)Maternal-Fetal Medicine Division, Department of Obstetrics & Gynaecology, Mount Sinai Hospital, (2)Department of Cardiology, Hospital for Sick Children, University of Toronto.

[space]

Objective: We sought to document fetal cardiac anatomy by ultrasound prior to 15 weeks' gestation. *[Heading bolded – main question, objective or hypothesis.]*

[space]

Methods: This is a prospective observational study with institutional ethics approval. Following informed written consent, fifty-seven women underwent transabdominal ... *[Heading bolded – study design, participants, outcome measures]*

[space]

Results: In all cases we obtained the four chamber view and assessed ventricular function. The tricuspid and mitral valves were seen in 52 (92% of cases)... *[Heading bolded -- summary of data]*

[space]

Conclusions: The fetal heart can be examined early in pregnancy and a significant proportion of major structural defects identified. . . *[Heading bolded – summary and interpretation/significance of findings]*

Funded by: *[Heading bolded, source of funding, only if applicable]*