



Obstetrics & Gynaecology  
UNIVERSITY OF TORONTO

**Research Compendium for Residents**

October 15, 2013

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**General Obstetrics and Gynaecology**

**Derzko, Dr. Christine M.** (*Revised November 2012*)

**Research Interests:**

- Phytoestrogens (Soy) & Cancer
- Menopause Rx
- Osteoporosis
- Thyroid Function in Pregnancy

**Specific Projects:**

**Supervised Residents in the Past:** Yes

**Contact Information:**

Dr. Christine M. Derzko  
55 Queen St East #408  
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[derzkoc@smh.ca](mailto:derzkoc@smh.ca)

**Giannoulis, Dr. Dimitrios** (*Revised November 2012*)

**Research Interests:**

- Pelvic floor relaxation

**Specific Projects:**

**Supervised Residents in the Past:** No

**Contact Information:**

Dr. D. Giannoulis  
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Toronto, ON M4W 3T1  
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## **General Obstetrics and Gynaecology cont'd**

### **Holzapfel, Dr. Stephen** (*Revised November 2012*)

#### **Research Interests:**

- Sexual dysfunction in men and women
- Treatment of sexual dysfunction
- Gestational diabetes and screening tests
- Adverse effects of screening tests

#### **Specific Projects:**

**Supervised Residents in the Past:** Yes, in the Department of Family Medicine

#### **Contact Information:**

Dr. Stephen Holzapfel  
Dept. of Family and Community Medicine  
Women's College Hospital  
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Toronto, Ontario M5S 1B2  
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### **Lackie, Dr. Elyse** (*Revised November 2012*)

#### **Research Interests:**

- Family planning, contraception, abortion

#### **Specific Projects:**

**Supervised Residents in the Past:** No

#### **Contact Information:**

Elyse Lackie MD, FRCSC  
Dept. of Obstetrics and Gynaecology  
North York General Hospital  
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## General Obstetrics and Gynaecology cont'd

### **Pairaudeau, Dr. Nicholas** (*Revised November 2012*)

#### **Research Interests:**

- Management of labour and second stage
- Internet and the practice of Obstetrics and Gynaecology
- International issues teaching in China
- Survey work (practice issues)
- Projects involving Motherisk
- Hysteroscopy and complications
- Management of labour using our OBIX database

**Specific Projects:** To be discussed

**Supervised Residents in the Past:** Yes

#### **Contact Information:**

Dr. Nicholas Pairaudeau  
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Willowdale, North York, Toronto  
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### **Pittini, Dr. Richard** (*Revised November 2012*)

#### **Research Interests:**

- Medical education, general clinical Ob/Gyn

#### **Specific Projects:**

- Evaluation of laparoscopic skills
- Simulation in obstetrical crisis

**Supervised Residents in the Past:** Yes

#### **Contact Information:**

Dr. Richard Pittini, MD, MEd, FRCSC  
Associate Professor of Obstetrics & Gynaecology  
University of Toronto  
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[richard.pittini@sunnybrook.ca](mailto:richard.pittini@sunnybrook.ca)

## General Obstetrics and Gynaecology cont'd

**Selk, Dr. Amanda** (*Revised November 2012*)

**Research Interests:**

- Management of vulvar conditions
- Measuring outcomes in vulvar disorders
- Cervical cancer screening
- General Obstetrics/Gynaecology

**Specific projects:**

**Supervised resident research projects in the past?:** No

**Contact information:**

Dr. Amanda Selk  
700 University Ave, 3rd floor  
Toronto ON M5G 1Z5  
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[amanda.selk@utoronto.ca](mailto:amanda.selk@utoronto.ca)

**Spitzer, Dr. Rachel F. (also in PAG)** (*Revised November 2012*)

**Research Interests:**

- International health
- Maternal morbidity and mortality
- Cervical cancer detection and prevention
- Etiology and treatment of Obstetric Fistula

**Specific Projects:**

- Academic coordinator of global health initiatives in the department, coordinating research (with local and Kenyan colleagues) with our collaborating institute in Eldoret, Kenya. Projects focus primarily on prevention of maternal morbidity and mortality, cervical cancer detection and prevention and the etiology and treatment of Obstetric Fistula. Opportunities also possible for residents to develop relevant novel projects of interest to them. Work may be with Dr. Spitzer or with other U of T and Kenyan faculty.

**Supervised Residents in the Past:** Yes

**Contact Information:**

[rspitzer@mtsinai.on.ca](mailto:rspitzer@mtsinai.on.ca)

## General Obstetrics and Gynaecology cont'd

**Stewart, Dr. Donna E.** (*Revised November 2012*)

**Research Interests:**

- Psychosocial aspects of reproductive health
- International health

**Specific Projects:**

**Supervised Residents in the Past:** Yes - many non-Ob/Gyn residents in Toronto and Gynaecology Fellow in the USA

**Contact Information:**

Donna E. Stewart, MD, FRCPC  
Toronto General Hospital  
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**Thistle, Dr. Paul** (*Revised November 2012*)

**Research Interests:**

- Prevention of mother to child transmission of HIV; AIDS prevention, treatment, and care
- Maternal and perinatal mortality
- Cervical cancer prevention and screening
- Long-term methods of family planning

**Specific Projects:**

- HAART in breast-feeding mothers
- Visual inspection of the cervix with acetic acid
- Levonorgestrel subdermal implants

**Supervised Residents in the Past:** Yes

**Contact Information:**

Dr. Paul Thistle  
The Salvation Army Howard Hospital  
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Glendale, Zimbabwe  
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## General Obstetrics and Gynaecology cont'd

### **Tunde-Byass, Dr. Modupe** (*Revised November 2012*)

#### **Research Interests:**

- Early pregnancy assessment

#### **Specific Projects:**

**Supervised Residents in the Past:** No

#### **Contact Information:**

Dr. Modupe Tunde-Byass  
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[mtundeby@nygh.on.ca](mailto:mtundeby@nygh.on.ca)

### **Wolfman, Dr. Wendy** (*Revised November 2012*)

#### **Research Interests:**

- Letrozole and HT to prevent breast cancer in patients on hormone therapy
- Premature ovarian failure
- Optimal replacement therapy for women with premature ovarian failure
- Hypoactive sexual dysfunction disorder
- Mood change, hot flashes and depression during the menopause
- Vaginal replacement therapies for vaginal atrophy

#### **Specific Projects:**

- Endometrial safety with transvaginal progesterone and transdermal estrogen
- Vaginal graft versus host disease in transplant patients (with PMH)
- Vaginal estrogens in breast cancer patients on aromatase inhibitors (with PMH)
- Optimal therapy in premature ovarian failure
- Vaginal progesterone for vaginal atrophy
- Mood changes at menopause – collaboration with Psychiatry

**Supervised Residents in the Past:** Yes

#### **Contact Information:**

Dr. Wendy Wolfman  
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Toronto, Ontario M5G 1Z5  
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## **General Obstetrics and Gynaecology cont'd**

**Yudin, Dr. Mark** (*Revised November 2012*)

**Research Interests:**

- Infectious diseases in Obstetrics and Gynaecology

**Specific Projects:**

**Supervised Residents in the Past:** Yes

**Contact Information:**

Dr. Mark Yudin  
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30 Bond St.  
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[yudinm@smh.ca](mailto:yudinm@smh.ca)



## Gynaecologic Oncology

### **Bernardini, Dr. Marcus** (*Revised November 2012*)

#### **Research Interests:**

- Molecular characterization of ovarian cancer
- Tailoring surgical management of endometrial cancer patients
- Robotics in gynaecologic oncology

#### **Specific Projects:**

**Supervised Residents in the Past:** No

#### **Contact Information:**

Dr. Marcus Bernardini  
Division of Gynecologic Oncology  
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### **Covens, Dr. Allan** (*Revised November 2012*)

#### **Research Interests:**

- Cervical cancer
- Sentinel lymph nodes in gynaecological cancers
- Minimally invasive surgery
- Fertility-sparing surgery for cervical cancer

#### **Specific Projects:**

**Supervised Residents in the Past:** Yes

#### **Contact Information:**

[Al.covens@sunnybrook.ca](mailto:Al.covens@sunnybrook.ca)

### **Ferguson, Dr. Sarah** (*Revised November 2012*)

#### **Research Interests:**

- Cancer survivorship, late effects, sexuality
- Endometrial cancer – Screening for inherited forms (Lynch syndrome)

#### **Specific Projects:**

**Supervised Residents in the Past:** No

#### **Contact Information:**

Dr. Sarah Ferguson  
Princess Margaret Hospital  
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## Gynaecologic Oncology cont'd

### **Murphy, Dr. K Joan** (*Revised November 2012*)

#### **Research Interests:**

- Familial Ovarian Cancer
- Cervical cancer screening and prevention
- HPV in causation of malignancy
- Robotics in gynaecologic oncology

#### **Specific Projects:**

- HPV and Cytology Study
- Longitudinal study of women undergoing ovarian cancer risk reduction surgery
- Screening and management of abnormal Pap tests in adolescents and young women

**Supervised Residents in the Past:** Yes

#### **Contact Information:**

Dr. Joan Murphy  
joan.murphy@uhn.on.ca  
Phone: 416 946 4043

### **Oza, Dr. Amit** (*Revised November 2012*)

#### **Research Interests:**

- Novel therapeutics in gynaecologic malignancies
- Translational research studies in gynaecologic malignancies

#### **Specific Projects:**

**Supervised Residents in the Past:** Yes

#### **Contact Information:**

Dr Amit Oza  
Professor of Medicine, University of Toronto  
Director Clinical Cancer Research Unit, Princess Margaret Hospital  
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amit.oza@uhn.on.ca

## **Gynaecologic Oncology cont'd**

**Shaw, Dr. Patricia** (*Revised November 2012*)

**Research Interests:**

- Molecular profiling of ovarian cancer
- Early genetic/molecular events in high grade serous carcinogenesis
- Characterization of precursor lesions in fallopian tube

**Specific Projects:**

**Supervised Residents in the Past:** Yes

**Contact Information:**

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Professor  
Department of Pathology  
University Health Network  
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## Maternal-Fetal Medicine

**Akoury, Dr. Hani** (*Revised November 2012*)

**Research Interests:**

- Clinical Obstetrics: Management of labour, fetal surveillance in labour, preterm labour
- Prenatal diagnosis
- Medical diseases in pregnancy
- Ultrasound in obstetrics

**Specific Projects:**

- Maternal temperature response in labour
- Multiple pregnancy and the utility of DNA testing in CVS and amniocentesis

**Supervised Residents in the Past:** Yes

**Contact Information:**

Dr. Hani Akoury  
Phone: 416 530 6373  
AKOURH@stjoe.on.ca

**Barrett, Dr. Jon** (*Revised November 2012*)

**Research Interests:**

- Fetal-Maternal medicine – Multiple pregnancies

**Specific Projects:**

- Twin Birth Study
- Calcium Supplementation Trial
- WHO Global Survey – Secondary analysis
- Maternal Morbidity/Mortality Study
- Normal maternal hemoglobin range in twin pregnancy
- Placenta cord presentation
- Canadian Perinatal Network Study

**Supervised Residents in the Past:** Yes

**Contact Information:**

Dr. Jon Barrett  
[jon.barrett@sunnybrook.ca](mailto:jon.barrett@sunnybrook.ca)

## Maternal-Fetal Medicine cont'd

**Berger, Dr. Howard** (*Revised November 2012*)

**Research Interests:**

- Gestational diabetes
- Fetal ultrasound
- Intrauterine environment

**Specific Projects:**

- Postpartum anemia as a risk factor for postpartum depression
- Visceral fat at 12 weeks' gestation and risk of gestational diabetes
- Maternal folate and newborn epigenetics
- The role of the placenta in fetal toxicology – Several studies in collaboration with Motherisk
- The effect of antenatal corticosteroids on the fetal thymus – a possible role in fetal immune programming
- The impact of activity-promoting video games on glycemic control in gestational diabetes mellitus (GDM)
- Canadian women's attitudes toward non-invasive prenatal testing of fetal DNA in maternal serum
- The role of social networking in a high-risk pregnancy setting.

**Supervised Residents in the Past:** Yes

**Contact Information:**

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St Michael's Hospital  
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**Bocking, Dr. Alan** (*Revised November 2012*)

**Research Interests:**

- Preterm labour
- Infection

**Specific Projects:**

- Use of probiotics to treat bacterial vaginosis in pregnant women: Clinical trial and basic mechanisms

**Supervised Residents in the Past:** Yes

**Contact Information:**

Dr. Alan Bocking  
Suite 1006, Mount Sinai Hospital  
Phone: 416-586-8406  
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## **Maternal-Fetal Medicine cont'd**

### **Czikk, Dr. Marie** (*Revised October 2013*)

#### **Research Interests:**

- Preterm birth
- Inpatient antenatal care

#### **Projects:**

**Supervised Residents Before:** No

#### **Contact information:**

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mzczikk@mtsinai.on.ca

### **Feig, Dr. Denice** (*Revised November 2012*)

#### **Research Interests:**

- Diabetes and thyroid disease in pregnancy

#### **Specific Projects:**

**Supervised Residents in the Past:** Yes

#### **Contact Information:**

Denice Feig, MD, MSc, FRCPC  
Associate Professor, University of Toronto Head, Diabetes & Endocrinology in  
Pregnancy Program Mount Sinai Hospital, 60 Murray St. #5027 Toronto, Ontario  
M5T 3L9  
Phone: 416-586-8590  
Fax: 416-361-2657

## Maternal-Fetal Medicine cont'd

### **Kingdom, Dr. John** (*Revised November 2012*)

#### **Research Interests:**

- Placental development
- Preeclampsia
- IUGR
- Stillbirth
- Vasa previa
- Invasive placentation
- Molecular placental pathology
- Placenta clinic ultrasound
- Knowledge translation of above topics (see Placenta Clinic website)

#### **Specific Projects:**

- Multiples in evolution (Funded by CIHR and PSI). Discuss in person if interested.

**Supervised Residents in the Past:** Yes

#### **Contact Information:**

Dr. John Kingdom  
Mount Sinai Hospital  
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[jkingdom@mtsinai.on.ca](mailto:jkingdom@mtsinai.on.ca)

### **Lee, Dr. Shoo** (*Revised October 2013*)

#### **Research Interests:**

- Health economics
- Health services research
- Illness severity
- NICU
- Outcomes variations

#### **Specific Projects:**

- Implementing continuous quality improvement in neonatal care using the Evidence-based Practice for Improving Quality method, supporting and enabling families to be the primary caregiver for their infant in the NICU through the Family Integrated Care (FiCare) program, developing and maintaining collaborative databases/networks that collect clinical and outcome information on pregnancies, childbirth, infant care and long-term outcomes.

**Supervised Residents in the Past:** Yes

#### **Contact Information:**

Dr. Shoo Lee  
Room 19-231D, Mount Sinai Hospital  
Phone: 416-586-4800 x6370  
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## **Maternal-Fetal Medicine cont'd**

**Lye, Dr. Stephen** (*Revised November 2012*)

**Research Interests:**

- Mechanisms of preterm birth, preeclampsia and the developmental origins of health and disease.

**Specific Projects:**

- Role of maternal immune system in the mechanisms underlying the onset of labour in a rodent model
- Mechanisms of action of the progesterone receptor within the myometrium.
- Mechanisms regulating human trophoblast remodeling of the uterine vasculature.
- Gene environment interactions linking fetal development to adult health in human population
- Gene environment interactions linking fetal development to adult health in mouse models

**Supervised Residents in the Past:** Yes

**Contact Information:**

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Associate Director  
Samuel Lunenfeld Research Institute  
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Fax: 416-586-5116

**Malinowski, Dr. Ann Kinga** (*Revised November 2012*)

**Research Interests:**

- Hematologic Disorders in Pregnancy

Specific Projects:

Supervised Residents in the Past:

Contact Information:

Dr. Ann Malinowski  
[amalinowski@mtsinai.on.ca](mailto:amalinowski@mtsinai.on.ca)



## Maternal-Fetal Medicine cont'd

**Maxwell, Dr. Cynthia** (*Revised November 2012*)

**Research Interests:**

Medical disorders of pregnancy

**Specific Projects:**

- Pregnancy and obesity: ultrasound, nutrition, sleep apnea in pregnancies complicated by obesity
- Pregnancy and cancer; breast cancer in pregnancy study; long term neurocognitive outcomes in children born to mothers with cancer in pregnancy
- Placental development: extravillous trophoblast differentiation in normal/PET pregnancies; placental bed biopsy

**Supervised Residents in the Past:** Yes

**Contact Information:**

[cmaxwell@mtsinai.on.ca](mailto:cmaxwell@mtsinai.on.ca)

**Nevo, Dr. Ori** (*Revised November 2012*)

**Research Interests:**

- Expression and regulation of angiogenic factors in placentae from pathological pregnancies
- Early transvaginal anatomy scan for detection of fetal anomalies and improving quality of images
- Other topics

**Specific Projects:**

**Supervised Residents in the Past:** Yes

**Contact Information:**

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[ori.nevo@sunnybrook.ca](mailto:ori.nevo@sunnybrook.ca)

## Maternal-Fetal Medicine cont'd

### **Okun, Dr. Nanette** (*Revised November 2012*)

#### **Research Interests:**

- Prenatal Screening and Diagnosis of Fetal Disorders
- First Trimester Ultrasound and Measures of Perinatal Outcomes
- Health Systems Research
- Collaborative Care for Obstetrical Patients
- Different Models of Care and Outcomes
- Group Antenatal Care
- Outcomes Quality Assurance in Ultrasound

#### **Specific Projects:**

- Systematic Review of Safety of Amniocentesis

#### **Supervised Residents in the Past:** Yes

#### **Contact Information:**

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### **Ray, Dr. Joel** (*Revised November 2012*)

#### **Research Interests:**

- Obstetrical medicine and perinatology

#### **Specific Projects:**

- Epidemiological

#### **Supervised Residents in the Past:** Yes

#### **Contact Information:**

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Associate Professor and Clinician Scientist, Departments of Medicine, Obstetrics and Gynaecology, and Health Policy Management and Evaluation, and The Division of Endocrinology and Metabolism,  
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[rayj@smh.toronto.on.ca](mailto:rayj@smh.toronto.on.ca)

## Maternal-Fetal Medicine cont'd

**Whittle, Dr. Wendy** (*Revised November 2012*)

**Research Interests:**

- Preterm birth

**Specific Projects:**

- Many different ongoing basic science, clinical science and retro and prospective chart review projects ongoing
- Willing to support resident with any research project that is ongoing or to help develop a unique question (preterm birth or other area of obstetrical care)

**Supervised Residents in the Past:** Yes

**Contact Information:**

Dr. Wendy Whittle  
Maternal Fetal Medicine Specialist  
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**Windrim, Dr. Rory** (*Revised November 2012*)

**Research Interests:**

- Obstetrics
- Preterm birth
- Fetal medicine
- Education/ Outreach/ Placenta/ Intrapartum

**Specific Projects:**

**Supervised Residents in the Past:** Yes

**Contact Information:**

Rory Windrim MD  
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Toronto, Ontario  
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[rwindrim@mtsinai.on.ca](mailto:rwindrim@mtsinai.on.ca)

## Paediatric and Adolescent Gynaecology

**Allen, Dr. Lisa** (*Revised November 2012*)

**Research Interests:**

- Paediatric and adolescent gynaecology

**Specific Projects:**

- Adolescent contraception
- Adolescent pregnancy
- STI screening
- Mullerian anomalies/Disorders of sexual development -- diagnosis, surgical outcomes
- Ovarian cysts/tumours in children/adolescents
- Premature ovarian insufficiency
- Menorrhagia in adolescents

**Supervised Residents in the Past:** Yes

**Contact Information:**

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Hospital for Sick Children  
555 University Avenue  
Toronto, Ontario  
Phone: 416-813-6188  
Fax: 416-813-6192  
[lisa.allen@sickkids.ca](mailto:lisa.allen@sickkids.ca)

**Kirkham, Dr. Yolanda** (*Revised October 2013*)

**Research Interests:**

- Adolescent gynaecology
- Transition to adult gynaecology
- Adnexal masses
- Menstrual suppression
- Secondary amenorrhea

**Supervised Residents in the Past?:** Yes

**Contact information:**

Yolanda Kirkham, MD, FRCSC  
Obstetrics & Gynaecology  
Pediatric and Adolescent Gynaecology  
Women's College Hospital  
76 Grenville St, 3rd Floor  
Gynaecology Clinic and Young Women's Gynaecology Clinic (for ages 17-25)  
416-323-7744 phone  
416-323-6237 fax  
[yolanda.kirkham@wchospital.ca](mailto:yolanda.kirkham@wchospital.ca)

## **Paediatric and Adolescent Gynaecology cont'd**

**Kives, Dr. Sari** (*Revised November 2012*)

**Research Interests:**

- Paediatric Gynaecology

**Specific Projects:**

- Adolescent colposcopy and infectious disease
- Adolescent contraception
- Placenta location and IUGR
- Ovarian cysts in children and adolescents
- Menorrhagia in adolescents
- Comparison of history-taking vs PBAC

**Supervised Residents in the Past:** Yes

**Contact Information:**

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61 Queen Street Floor Five  
Toronto, Ontario M4W 3Y4  
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**Spitzer, Dr. Rachel F.** (also in General Ob & Gyn) (*Revised November 2012*)

**Research Interests:**

- International Reproductive Health and Paediatric and Adolescent Gynaecology

**Specific Projects:**

- Reducing maternal morbidity and mortality
- STI screening in adolescent pregnancy
- Understanding risk factors and outcomes in adolescent pregnancy
- Contraception for adolescents with complex medical conditions

**Supervised Residents in the Past:** Yes

**Contact Information:**

[rspitzer@mtsinai.on.ca](mailto:rspitzer@mtsinai.on.ca)

## Reproductive Endocrinology and Infertility

**Casper, Dr. Robert F.** (*Revised November 2012*)

**Research Interests:**

- Reproductive endocrinology, infertility, cancer and stem cells

**Specific Projects:**

- Prevention and early detection of breast cancer
- Cord blood stem cells for tissue therapeutics
- Prevention of adverse effects of circadian rhythm shifts by light at night
- Improving oocyte and embryo quality in ART

**Supervised Residents in the Past:** Yes

**Contact Information:**

Robert F Casper MD, FRCS(C)  
Professor, Division of Reproductive Sciences  
Department of Obstetrics and Gynaecology  
University of Toronto  
Senior Investigator and Camille Dan Family Research Chair in Translational Cell  
Biology  
Samuel Lunenfeld Research Institute  
Mount Sinai Hospital, Toronto  
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**Dixon, Dr. Marjorie** (*Revised November 2012*)

**Research Interests:**

- Clinical reproductive endocrinology/ Infertility

**Specific Projects:**

- Observational, survey, prospective and retrospective

**Supervised Residents in the Past:** Yes

**Contact Information:**

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36 York Mills Road, Suite 100  
Toronto, Ontario  
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[marjorie.dixon@sunnybrook.ca](mailto:marjorie.dixon@sunnybrook.ca)  
[www.firststepsfertility.ca](http://www.firststepsfertility.ca)

## **Reproductive Endocrinology and Infertility cont'd**

### **Glass , Dr. Karen** (*Revised November 2012*)

#### **Research Interests:**

- Reproductive endocrinology
- Infertility
- Laparoscopic surgery

#### **Specific Projects:**

- Fertility preservation in cancer patients
- Laparoscopic access

#### **Supervised Residents in the Past:** Yes

#### **Contact Information:**

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### **Greenblatt, Dr. Ellen** (*Revised October 2013*)

#### **Research Interests:**

- Optimizing outcomes in assisted reproductive technologies
- Infertility
- PCOS
- Fertility preservation for cancer patients

#### **Specific Projects:**

- Fertility in female cancer survivors – Novel estimation of ovarian reserve
- Evaluation of ovarian reserve in BRCA mutation carriers.
- Towards eSET: Identification of biomarkers of embryo competence and endometrial receptivity using ‘omics techniques
- Incidence of Celiac Disease in unexplained infertility

#### **Supervised Residents in the Past:** Yes

#### **Contact Information:**

Dr. Ellen Greenblatt  
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## **Reproductive Endocrinology and Infertility cont'd**

**Juriscova, Dr. Andrea** (*Revised November 2012*)

**Research Interests:**

- Genetic and molecular aspects of female germline biology, ovarian longevity and infertility
- Molecular regulation of preimplantation embryo development
- Molecular aspects of trophoblast fate and cell death

**Specific Projects:**

- Several projects available, depending on interest and dedication
- Some genetic mouse model work is highly encouraged

**Supervised Residents in the Past:** No, only Clinical Fellows

**Contact Information:**

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## **Reproductive Endocrinology and Infertility cont'd**

**Librach, Dr Clifford** (*Revised November 2012*)

**Research Interests:**

- Reproductive immunology
- Reproductive endocrinology and infertility
- Recurring pregnancy losses
- Pre-eclampsia
- PCOS
- Andrology
- Stem cell research using umbilical cord cells

**Specific Projects:**

- HLA-G for embryo selection in IVF
- HLA-G mutation and protein markers for prediction of pre-eclampsia
- Human umbilical cord perivascular stem cells promotion of cellular differentiation for cellular therapy
- Identification and characterization of gene encoding a heat repeat-like protein that appears to be up-regulated in granulosa and cumulus cells of PCOS patients.
- Study of the levels of chemokines in human serum and follicular fluid from PCOS and non-PCOS patients.

**Supervised Residents in the Past:** Yes

**Contact Information:**

Clifford L Librach, MD, FRCS(C), FACOG(REI)  
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## **Reproductive Endocrinology and Infertility cont'd**

**Liu, Dr. Kimberly** (*Revised November 2012*)

**Research Interests:**

- Infertility and improving clinical outcomes in ART
- Legal and ethical issues in Ob/Gyn

**Specific Projects:**

**Supervised Residents in the Past:** Yes

**Contact Information:**

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**Moskovtsev, Dr. Sergey** (*Revised November 2012*)

**Research Interests:**

- Male infertility and paternal contribution to embryo development

**Specific Projects:**

- Sperm DNA damage, sperm aneuploidy and outcomes of ART treatment
- 3 dimensional image analysis of spermatozoa
- Telomere length

**Supervised Residents in the Past:** No

**Contact Information:**

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## **Reproductive Endocrinology and Infertility cont'd**

**Ryan, Dr Edward A. J.** (*Revised November 2012*)

**Research Interests:**

- Reproductive endocrinology and Infertility
- PCOD and the Metabolic Syndrome / Insulin resistance/ Dyslipidemia
- Mitochondrial function and methods to improve fertility in older women (to age 46)
- Use of antioxidants and mitochondrial nutrients to improve male fertility
- Methods to reduce pregnancy loss rates, especially over 35 yrs/ correction of recurrent pregnancy loss

**Specific Projects:**

**Supervised Residents in the Past:** No

**Contact Information:**

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**Shapiro, Dr. Heather** (*Revised November 2012*)

**Research Interests:**

- Infertility
- Medical Education

**Specific Projects:**

- Rate of infertility following extensive bowel surgery
- Laparoscopic training
- Maternity leaves in residency
- Impact of time from myomectomy to pregnancy on labour complications
- Future fertility in men who have banked sperm

**Supervised Residents in the Past:** Yes

**Contact Information:**

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## **Reproductive Endocrinology and Infertility cont'd**

### **Sierra, Dr Sony** (*Revised October 2013*)

#### **Research Interests:**

- Endometrial receptivity
- Recurrent early pregnancy loss
- Polycystic Ovarian Syndrome
- Decision-making in reproductive health

#### **Specific Projects:**

- Endometrial receptivity in recurrent implantation failure and recurrent early pregnancy loss
- The endometrium in PCOS
- Qualitative analysis of patient experience and decision-making

#### **Supervised Residents in the Past:** Yes

#### **Contact Information:**

Sony Sierra, MD, MSc, FRCSC  
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## Urogynaecology

**Drutz, Dr. Harold P.** (*Revised November 2012*)

**Research Interests:**

- Pelvic reconstructive surgery
- Voiding dysfunction and incontinence
- Rectal prolapse and incontinence
- Educational standards for training in female pelvic medicine and reconstructive pelvic surgery
- Pharmacology of the lower urinary tract
- Use of bulking agents
- Pathophysiology of Pelvic Organ Prolapse (POP)

**Specific Projects:**

- The effect of wait-times on QOL in patients awaiting reconstructive pelvic surgery
- The role of Myosites (stem cells) in treating stress urinary incontinence (SUI) in women
- Research in the interests listed above

**Supervised Residents in the Past:** Yes

**Contact Information:**

Harold P. Drutz, MD., FRCS(C)  
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## Urogynaecology cont'd

**Kroft, Dr. Jamie** (*Revised November 2012*)

**General Area of Research Interest:**

- Minimally Invasive Gynaecologic Surgery

**Specific projects:**

- Management of endometriosis
- Laparoscopic myomectomy
- Simulation for surgical education
- Open to resident ideas

**Have you supervised resident research projects in the past?:**

- No, but I have supervised medical students

**Contact information:**

Dr Jamie Kroft

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**Kung, Dr. Rose** (*Revised November 2012*)

**Research Interests:**

- Clinical
- Urogynaecology
- Minimally invasive surgery

**Specific Projects:**

- Rates of laparoscopic hysterectomies
- Effectiveness of TOT vs lap 2 team slings
- Use of Estrin in postpartum women
- Operative delivery rates in teaching vs. community hospitals & impact on resident training
- Treatment of GBS pregnant women with BioGaia, RCT pilot study
- Treatment of PPRM women with BioGaia to prevent preterm birth

**Supervised Residents in the Past:** Yes

**Contact Information:**

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## Urogynaecology cont'd

**Lee, Dr. Patricia** (*Revised November 2012*)

**Research Interests:**

- Urogynaecology clinical research
- Surgical outcomes
- Overactive bladder
- Cost comparison

**Specific Projects:**

**Supervised Residents in the Past:** Yes

**Contact Information:**

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**Lovatsis, Dr. Danny** (*Revised November 2012*)

**Research Interests:**

- Pelvic floor dysfunction

**Specific Projects:**

- RCT of risks of cystocele plication
- Outcomes after surgical correction of pelvic floor dysfunction
- RCT of total vaginal mesh procedure versus sacrospinous vault suspension
- RCT evaluating the Uresta vaginal device for the treatment of stress incontinence

**Supervised Residents in the Past:** Yes

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## **Urogynaecology cont'd**

### **McDermott, Dr. Colleen** (*Revised November 2012*)

#### **Research Interests:**

- Clinical research specific to female pelvic medicine (urinary, pelvic floor, and bowel disorders) in the general population or as it relates to Obstetrics

#### **Specific Projects:**

- Will work with a resident to find something that piques the person's research interests and is a doable project in the allotted time

#### **Supervised Residents in the Past:** Yes

#### **Contact Information:**

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### **Paek, Dr. Wusun** (*Revised November 2012*)

#### **General Area of Research Interest:**

- General gynaecology, laparoscopic surgery, abnormal uterine bleeding, endometriosis

#### **Specific projects:**

#### **Have you supervised resident research projects in the past?:** Yes

#### **Contact information:**

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## Basic Science and Related Specialties

**Carvalho, Dr. José C.A.** (*Revised November 2012*)

**Research Interests:**

- Obstetric anaesthesia

**Specific Projects:**

- Postpartum pain control
- Uterine contractility and prevention of postpartum hemorrhage
- Cardiovascular physiology in pregnancy

**Supervised Residents in the Past:** Yes

**Contact Information:**

José CA Carvalho MD, PhD, FANZCA, FRCPC  
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**Chitayat, Dr. David** (*Revised November 2012*)

**Research Interests:**

- Ultrasound abnormalities

**Specific Projects:**

- Outcome of prenatally diagnosed cases with skeletal dysplasia
- Outcome of prenatally diagnosed cases with agenesis of the corpus callosum
- A variety of case reports on fetal/chromosomal abnormalities

**Supervised Residents in the Past:** Yes

**Contact Information:**

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## Basic Science and Related Specialties cont'd

**Glanc, Dr. Phyllis** (*Revised November 2012*)

**Research Interests:**

- Perinatal imaging
- Obesity and pregnancy
- Maternal complications of pregnancy

**Specific Projects:**

- Obesity in pregnancy – Timing for study, growth curves
- Fetal skeletal dysplasias
- Ultrasound assessment of maternal issues, including ultrasound guidance lumbar anaesthesia
- Early anatomic assessment of the fetus and placenta
- Pelvic floor dysfunction

**Supervised Residents in the Past:** Yes, Medical students, residents, fellows

**Contact Information:**

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Phyllis Glanc MD, FRCPC

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University of Toronto

Co-Director Obstetrical Ultrasound Unit, Sunnybrook

Department Medical Imaging, MG104

Sunnybrook Health Sciences Centre, Bayview Campus

**Keating, Dr. Sarah** (*Revised November 2012*)

**Research Interests:**

- Placental pathology

**Specific Projects:**

- Several projects related to clinicopathologic correlation, stillbirth and IUGR

**Supervised Residents in the Past:** Yes

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## **Basic Science and Related Specialties cont'd**

**Lambe, Dr. Evelyn** (*Revised November 2012*)

**Research Interests:**

- Developmental neurophysiology of the prefrontal cortex

**Specific Projects:**

**Supervised Residents in the Past:** No

**Contact Information:**

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**Matthews, Dr. Stephen** (*Revised November 2012*)

**Research Interest:**

- Regulation and plasticity of neuroendocrine systems  
during development

**Supervised Residents in the Past:** Yes

**Contact information:**

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## Basic Science and Related Specialties cont'd

### **Rogers, Dr. Ian** (*Revised November 2012*)

**Research Interests:**

- Human embryonic stem cells and umbilical cord blood stem cells

**Specific Projects:**

- Stem cell expansion and multi-potential differentiation

**Supervised Residents in the Past:** No

**Contact Information:**

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Associate Scientist and Assistant Professor  
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### **Shynlova, Dr. Oksana** (*Revised October 2013*)

**Research Interests:**

- Basic Science – Pelvic Organ Prolapse
- Basic Science – Preterm Labor

**Specific Projects:**

- To be discussed

**Supervised Residents in the Past:** No, supervised research fellows

**Contact Information:**

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## **Basic Science and Related Specialties cont'd**

**Toi, Dr. Ants** (*Revised November 2012*)

**Research Interests:**

- Obstetrical ultrasound
- Fetal anatomy and anomalies
- Fetal CNS and face
- Nomograms and normative information

**Specific Projects:**

**Supervised Residents in the Past:** Yes

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