

Executive Committee

Director

Dr. Chandrakant Tayade

Associate Director

Dr. Louise Winn

Executives at Large

Dr. Charles Graham

Dr. Stephen Pang

Dr. Graeme Smith

External Advisory Committee

Dr. Deborah Sloboda, McMaster University

Dr. Bruce Lessey, Greenville SC



Membership

| NAME | DEPARTMENT | EMAIL ADDRESS AND TELEPHONE NUMBER | RESEARCH INTERESTS |
|--|--|--|---|
| Michael A Adams | Head, Biomedical & Molecular Sciences | adams@queensu.ca (613) 533-2452 | Control of the circulation during pregnancy Male and female sexual function and dysfunction Developmental – early life origins of cardiovascular disease, obesity and sexual dysfunction |
| James Brien, Emeritus Professor | Emeritus Professor, Biomedical & Molecular Sciences | brienj@queensu.ca (613) 533-6114 | Fetus – Environmental Toxicology <ul style="list-style-type: none"> - Fetal Program - Brain - Brain Injury - Learning Disability |
| Susan Brogly | Departments of Medicine & Surgery | susan.brogly@queensu.ca 613-549-6666 x8227 | Interested in perinatal epidemiology, pediatric health, epidemiologic methods, bias analysis and simulation, and HIV. |
| Susan Chamberlain | Obstetrics and Gynecology | smc3@queensu.ca (613)548-6069 | General obstetrics and gynecology |
| Tim Childs | Pathology & Molecular Medicine | childst@kg.h.kari.net (613) 549-6666 x 4163 | Mother - Gynecologic Pathology Placental - Placental Physiology <ul style="list-style-type: none"> - Reproductive Physiology - Pre-eclampsia |
| Meredith Chivers | Psychology | meredith.chivers@queensu.ca (613) 533-2889 | Female sexuality; sexual psychophysiology; gender differences; sexual orientation; sexual functioning; paraphilias; gender identity. |
| Anne Croy, Canada Research Chair Reproduction, Development & Sexual Function | Biomedical & Molecular Sciences, Obstetrics and Gynecology | croya@queensu.ca (613) 533-2859 | Mother – Reproductive Immunology and Physiology Placenta – Reproductive <ul style="list-style-type: none"> - Pre-eclampsia - Angiogenesis Cardiovascular regulation during and after pregnancy |

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|-----------------------------------|---|---|---|
| Greg Davies | Obstetrics and Gynecology / Diagnostic Radiology | GD7@queensu.ca (613) 548-6072 | Mother – Physiology Placenta – Physiology Fetus – Growth Birth – Pre-term Labour |
| Qingling Duan | Biomedical and Molecular Sciences and School of Computing | qingling.duan@queensu.ca (613) – 533-6000 x76907 | The primary objective of my research is to identify genomic factors that regulate drug response or susceptibility to multifactorial diseases such as asthma and COPD. |
| Michael Flavin | Pediatrics | mf6@queensu.ca (613) 548-6046 | Fetus – Development Brain - Programming Birth – Brain Injury - Fetal Program Outcome - Learning Disability |
| Julie-Ann Francis | Department of Obstetrics & Gynaecology Division of Gynaecologic Oncology | julie.francis@queensu.ca | HPV and familial oncology |
| Charles Graham | Biomedical & Molecular Sciences | grahamc@queensu.ca (613) 533-2852 | Placenta – Development - Physiology - Angiogenesis - Pre-eclampsia Fetus – Growth - Programming Father – Prostate |
| Brendon Gurd | School of Kinesiology & Health | gurdb@queensu.ca 613-533-6000- x79023 | My primary research aim is to understand the mechanisms by which both different intensities and different types of exercise improve mitochondrial function. In addition, I am interested in the impact that these improvements in mitochondrial function have in both health and disease. |
| Frederick Kan | Biomedical & Molecular Sciences | kanfwk@queensu.ca (613) 533-2863 | Father – Sperm/Egg Interaction - Fertilization Mother – Reproductive Tract - Oviductal secretion and function |
| Madhuri Koti | Biomedical & Molecular Sciences | madhuri.koti@queensu.ca 613-533-2498 | Cancer, mainly chemotherapy resistance in ovarian cancer, ovarian cancer stem cells, immune mediators in tumor micro environment. |
| Valerie Langlois | Biology Chemistry and Chemical Engineering Department, RMCC | langloiv@queensu.ca 613.541.6000 x3621 http://langlois-lab.com/home | Our laboratory studies the effects of a variety of contaminants present in the environment, especially in aquatic ecosystems. We address and assess this environmental health issue by combining toxicology, molecular biology, comparative endocrinology, biochemistry and analytical chemistry in our study design. |

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|---------------------------------|---|--|--|
| Vickie Martin | Department of Obstetrics & Gynaecology Division of Gynaecologic Oncology | martinv@kgh.kari.net 613-548-6071 | |
| Richard Oko | Biomedical & Molecular Sciences | ro3@queensu.ca (613) 533-2858 | Our research is focused on the developmental biology of specialized mammalian sperm head and tail components and their roles during fertilization. |
| Maha Othman | Biomedical & Molecular Sciences | othman@queensu.ca (613) 533-6108 | Father: Hypercoagulability and thrombosis in prostate cancer Mother and Fetus: - Coagulopathy in pregnancy associated complications - Pregnancy alterations in the rare platelet defect; PT-VWD - Haemostatic variations in menstrual cycle phases |
| Terence Ozolins | Biomedical & Molecular Sciences | ozolinst@queensu.ca (613) 533-3306 | Mother-Environmental Exposures Fetal-Toxicology especially cardiac defects Drug Industry expertise Environmental Exposures |
| Stephen Pang | Biomedical & Molecular Sciences | pangsc@queensu.ca (613) 533-2600 | The research program of Dr. Stephen Pang is on the structure and function of the cardiovascular system in health and disease. His current research focus is on the design of gene therapies for the treatment of myocardial infarction (MI or heart attack). |
| Susan Phillips | Family Medicine, Community Health & Epidemiology | phillip@queensu.ca (613) 533-9300 | I study how the external world, including the environment, socioeconomic factors, gender, connectedness or marginalization get "under the skin" to affect individual health. |
| Caroline Pukall | Psychology | pukallc@queensu.ca (613) 533-3200 | My overarching research area is health psychology, with a focus on human sexuality, sexual dysfunction, and pain. My main interests are vulvodynia (i.e. chronic vulvar pain in women) dyspareunia (i.e. pain during intercourse) and the effects of chronic pain syndromes on sexual and marital functioning. |
| Robert Siemens | Urology Biomedical & Molecular Sciences | siemansr@kgh.kari.net (613) 548-2411 | Father – Prostate Mother – Gynecologic Pathology Placenta – Development |
| Robert Reid | Obstetrics-Gynecology | robert.reid@queensu.ca (613) 533-2898 | Mother – PMS - Photodynamic Therapy - Endocrinology - Menopause |
| Graeme Smith | Obstetrics-Gyneology Biomedical & Molecular Sciences | gns@queensu.ca (613) 533-2853 | Pregnancy complications as a marker of future maternal health |
| Chandra Tayade | Biomedical & Molecular Sciences | chandrakant.tayade@queensu.ca (613) 533-6354 | Endometrial Stroma in women's gynaecological disease. Mucosal immunology |

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|---------------------------------|--|--|---|
| Richard Thomas | Obstetrics-Gyneology | thomasr@queensu.ca (613)548-6067 | Clinical obstetrics & gynaecology |
| Joan Tranmer | Nursing | tranmerj@kgh.kari.net (613) 549-6666 x4952 | Gender-based analyses of patient, caregiver, and system outcomes of care for persons living with chronic cardiovascular disease. |
| Maria Velez | Obstetrics & Gynaecology Division of Reproductive Endocrinology & Infertility | maria.velez@queensu.ca 613-542-9473 | Reproductive endocrinology and Infertility, Endocrine Disruptors |
| Dean Van Vugt | Obstetrics-Gynecology Biomedical & Molecular Sciences | vanvugtd@queensu.ca (613) 533-2899 | Mother – Reproductive Endocrinology - Reproductive Physiology - Behaviour Neuroendocrine control of appetite |
| Jagdeep Walia | Pediatrics, Biomedical & Molecular Sciences | waliaj@KGH.KARI.NET 613-548-2467 | Our lab is focused on developing novel gene therapy approaches for inherited and acquired neurodegenerative disorders. Currently we are focusing on GM2-gangliosidosis (Tay-Sachs, Sandhoff diseases and AB variant) and use adeno-associated virus vector (AAV) system as a tool for gene transfer to the central and peripheral nervous system. Our research has already shown very encouraging results in a mouse model increasing the survival to almost 3 fold for this fatal disease. |
| Virginia Walker | Biology, Environmental Studies, Biomedical & Molecular Sciences | walkervk@queensu.ca (613) 533-6123 | Drosophila to monitor developmental change |
| Louise Winn | Biomedical & Molecular Sciences | winnl@biology.queensu.ca (613) 533-6465 | Fetus – Environmental Toxicology |