DEPARTMENT OF MEDICINE

ANNUAL REPORT

July 1, 2011 – June 30, 2012
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MESSAGE FROM THE PHYSICIAN-IN-CHIEF

It has been a busy and productive year for the Sunnybrook Department of Medicine. We continue to see changes to our infrastructure and physical plant, most notably the merger this year of Sunnybrook with St John’s Rehabilitation Hospital, a change that offers us tremendous opportunity for regional and national leadership in rehabilitation services. Our researchers have had great success in obtaining peer-reviewed grant funding and publications, including five New England papers this year. Our educators have also had a great year, with outstanding teaching scores and rotation scores and a growing profile in Educational Scholarship, Research and Leadership. A record number of our faculty have been recognized this year by external organizations for their contributions locally, provincially, nationally and internationally.

This is my second annual report to you as Physician-in-Chief. When I took on this role three years ago, we developed together a Strategic plan, “Sharpening Our Focus” which was guided by three principles: 1) That we would strategically focus our efforts, 2) That we could align our priorities with the Hospital, Research Institute, and the University of Toronto, and 3) That we would maximize our impact through partnerships with our Toronto Academic Health Science Network and community partners. These principles guided the development of our long-term priorities and short-term goals.

When we published this plan, I committed to updating you on our progress. This exercise is as much for me as it is for you as it allows me to reflect upon our shared accomplishments and helps me to focus on what we need to get done together in the year ahead.

I am immensely proud of our outstanding faculty for all of their hard work and dedication in clinical care, research, education, and administration. I am particularly grateful to our Division Heads and senior committee chairs for their leadership. Finally I want to thank Denise Campbell for her work in preparing this report.

Thank you

Kevin

Kevin Imrie MD FRCPC
Physician-in-Chief, Department of Medicine, Sunnybrook Health Sciences Centre
Vice-Chair Education, Department of Medicine, University of Toronto
EXECUTIVE SUMMARY

About us:

The Department of Medicine is Sunnybrook’s largest Department with 103 full time and 187 part-time physician members. We are organized into 15 Divisions, including uniquely specialized services such as Clinical Pharmacology and Obstetrical Medicine. Our members work in all eight of Sunnybrook’s Programs, including playing an important role in the new St. John’s rehab program.

Clinical Care: Clinically, our divisions operate approximately 180 inpatient beds as well as numerous specialized outpatient clinics. These include unique services such as the Thromboembolism, ALS, and HIV clinics as well as an increasing focus on acute outpatient services such as our Rapid Referral, TIA (Transient Ischemic Attack), RADAR (Rapid Diabetes Assessment and Referral), TRAPP (Treatment of Respiratory and Pleural Problems) and EPIC (Effusion Procedure Interprofessional Clinic) Clinics.

In 2011-12, our two main clinical priorities have been to continue the development of ambulatory acute care as well as a new emphasis on integration with primary care and community providers. We have continued to expand our rapid referral clinic to provide an alternative to admission for many acute general internal medical problems and are working with other clinical departments and programs to develop a common infrastructure to support integrated urgent episodic care. This QUICK clinic will bring together existing clinics including Rapid Referral, TIA, and RADAR clinics and will add a new focus on acute ambulatory cardiac care including CHF (Congestive Heart Failure), chest pain and rhythm abnormalities. The mid to long-term plans include expansion of these urgent ambulatory services to include Respiratory Diseases, Cancer and Gastroenterology among others.

The second clinical priority has been a renewed emphasis on improving integration with primary care physicians and other providers within our community. These efforts began in summer of 2012 and have been facilitated by the recent announcement by
the Ministry of Health and Long-Term Care of the HEALTHLINKS initiative, which is designed to encourage communication among family care providers, specialists, hospitals, long-term care, home care and other providers. Sunnybrook’s leadership in clinical information technology development, including the e-Discharge system implemented within General Internal Medicine will be a key asset as this initiative moves forward.

Research: Our members have had a highly productive year. As evidence of this, they now hold over $70 million in peer-reviewed grant funding and this year, authored 633 publications, including 5 papers in the New England Journal of Medicine. We continue to be guided by our cross-cutting focus on Health-Services Research, Quality and Patient Safety and Education Research and Scholarship. We increased our practice plan investment in research this past year by nearly 20% to further build upon last year’s growth. Particularly notable this past year has been the external recognition our members have received for their work. We are also pleased to have been joined this year by two promising researchers, Dr. Alex Leber, a clinician-investigator whose field is cardiac imaging and Dr. Andrew Lim, a Clinician-Scientist in sleep medicine.

Education: Our two major priorities in this past year have been to improve the experience of our learners and advance educational research and scholarship. The investments we have made in partnership with the Hospital to improve the learner experience have had measurable impact as evidenced by the successful undergraduate accreditation visit this year and the significant gains we have made in teaching and rotation effectiveness measures at the postgraduate level. We continue to work with the Sunnybrook VP Education on improvements to our educational infrastructure and look forward to the 2013 postgraduate accreditation site visit. On the scholarship front, our cadre of educational researchers has had a very productive year securing peer-reviewed funding for their work and publishing in prominent medical education journals such as Academic Medicine and Medical Education. They will be joined in 2012 by Dr. Umberin Najeeb, a clinician educator with a focus on improving the experience and development of internationally-trained health professionals. We are also pleased to be joined this year by three outstanding young teachers, Drs. Esther Bui (Neurology), Dov Gandell (Geriatrics), and Graham Slaughter (General Internal Medicine).

Sustainability and accountability: Our main priority in this domain this year has been to improve transparency and communication within the Department and beyond. The Sunnybrook Department of Medicine Partnership has completed its second successful year and has focused on improving its governance. This has included revising the partnership agreement as well as developing and approving explicit policies on confidentiality, pregnancy and parental leave, non-partner members as well as career transitions. We have continued our poster campaign to promote the work of the researchers and educators in the Department and have launched a series of videos, accessible on-line, that tell the stories of our researchers.

The future: 2012-13 promises to be a busy year. The recent merger of Sunnybrook with St John’s Rehab offers incredible potential for enhanced leadership in Physiatry and Rehabilitation Medicine. Sunnybrook’s ambulatory strategy offers the potential to build innovative new models of acute care which bridge the spectrum from inpatient to outpatient care while the HealthLink initiative will allow us to collaborate with primary care physicians in our community and other providers to provide more integrated and patient-centered care. We look forward to continued growth of our research enterprise with a continued focus on our cross-cutting priorities in Health Services Research, Quality & Patient Safety, Educational Scholarship and we look forward to the postgraduate accreditation visit by the Royal College of Physicians and Surgeons of Canada in April 2013. It should be a fun year!
MEMBERS OF THE EXECUTIVE COMMITTEE

Chair
Dr. Kevin Imrie – Physician-in-Chief

Division Heads
Dr. Bradley Strauss – Cardiology
Dr. David Juurlink – Clinical Pharmacology & Toxicology
Dr. Neil Shear – Dermatology
Dr. Ivy Fettes – Endocrinology
Dr. Johane Allard – Gastroenterology
Dr. Steve Shadowitz – Deputy Physician-in-Chief & Division Head General Internal Medicine
Dr. Rajin Mehta – Geriatric Medicine

Dr. Andrew Simor – Infectious Diseases
Dr. Maureen Trudeau – Medical Oncology/Haematology
Dr. Michelle Hladunewich – Nephrology and Obstetrical Medicine
Dr. David Berbrayer – Rehabilitation Medicine
Dr. Khalil Sivjee – Respirology & Clinical Immunology
Dr. Greg Choy (Interim) – Rheumatology

Committee Chairs
Education – Dr. Richard Jay
Finance – Dr. Chris. Morgan
Research – Dr. Rob. Fowler
Faculty Well-Being – Dr Ivy Fettes & Liesly Lee (co-chairs)
COMMITTEE REPORTS

Education – Chair, Dr. Richard Jay

Dr. Richard Jay

EDUCATION: The Department of Medicine has had another outstanding year in our academic mission of Medical Education, building on our strengths in Education Scholarship, Research and Excellence in Teaching.

Education Scholarship and Research: We continue to expand and embellish our leadership role in Education Scholarship and Medical Education research. Several of our DOM members are Principal or Co-Investigators in both external grants (e.g. RCPSC – Medical Education Research grants, AMS/CanMEDS Research and Development grants) as well as internal grants (e.g. University of Toronto - Education Development grants for Innovations in Education). Our members have published extensively in high impact Medical Education journals such as Academic Medicine and Medical Education. As well, several of our clinician educators/scientists have been invited speakers at international and national forums for Medical Education Research. We continue to be a recognized national leader in Patient Safety and Quality Improvement. Special mention should be made of Ayelet Kuper who recently received a prestigious CIHR New Investigator Award. Umberin Najeeb (General Internal Medicine) is a new clinician educator who will join the Department in the coming year and will certainly augment our on-going education scholarly activities in years to come.

Teaching: This year we welcomed several new education faculty members to the Department. Graham Slaughter (General Internal Medicine), Dov Gandel (Geriatric Medicine) and Shirley Chow (Rheumatology) are all clinician teachers who have already demonstrated and have been recognized for their excellent teaching abilities and will surely enhance the Sunnybrook Department of Medicine's continued reputation for outstanding teaching excellence. We are particularly proud of nine of our clinician teachers/educators: U. Najeeb, K. Sivjee, J. Hsiao, S. Shumak, G. Piliotis, C. Morgan, B. Wong and D. Juurlink who placed among the top 10% of teachers in the Department city-wide (a disproportionately high number). Our clinician teachers have also garnered nine nominations and 14 awards across the entire spectrum of academic teaching endeavors ranging from the international/national to regional-provincial/local stage. Special commendations to Ed Etchells (Colin Woolf Award – Continuing Education) and Anita Rachlis (W T Atkins-Faculty Teaching Award - Undergraduate Education) who received two of the major teaching awards for the Faculty of Medicine – University of Toronto.

Education Leadership: Sunnybrook continues to play a major education leadership role at the University and Faculty of Medicine level: Senior Academic Leaders: Brian Wong - Director of Faculty Development and Continuing Education in Quality and Safety, Brian Murray - Director of Integrative Medicine. University Division Directors: Dermatology (N Shear), Gastroenterology (J. Allard), Clinical Pharmacology (D. Juurlink) and Medical Oncology (K. Pritchard). Postgraduate Program Directors: Dermatology (S. Walsh), Hematology (G. Piliotis), Geriatrics (B. Liu), Medical Oncology (S. Berry), Peters-Boyd Academy Director (M. Cooper) and the U of T lead for the Toronto Addis Ababa Academic Collaboration (G. Piliotis).

Education Symposium: The second annual Education Symposium was held on September 20, 2011 on Simulation and Other Technologies in Medical Education. It attracted a large audience not only from Sunnybrook but the University of Toronto Medical Education Research community as a whole. This annual event is the highlight of education scholarship activities of our Department because of the focused format and the local, national and international quality of our guest speakers. It has been a genuine pleasure to lead, facilitate and coordinate the academic activities of an exceptional group of dedicated clinician-teachers, educators and scientists throughout 2011-12. We can all look forward to continued success and further outstanding achievements in the on-going education mission of the Department of Medicine.
Research

The Department of Medicine at Sunnybrook Hospital celebrates a very productive year of research activities and accomplishments. Of our departmental faculty, half are clinician-scientists or investigators, and the newest is Dr. Alex Leber who joins the Division of Cardiology.

Department researchers received over 340 peer-reviewed grants totaling $70 million, in addition to another 142 industry-sponsored and non-peer-reviewed grants totaling nearly $10 million. Department members authored 633 peer-reviewed and another 88 non-peer-reviewed publications.

Due to this productivity and impact, members received over 118 individual awards, including Sandra Black (the Order of Ontario), Mario Masellis (Early Researcher Award from the Ontario Ministry of Research and Innovation), Dennis Ko (C. Verma Young Investigator Award, Heart and Stroke Foundation of Canada), Baiju Shah (Research Award for Diabetes, South Asian Professional Network for Health Awareness), Fred Saibil (Crohn’s and Colitis Foundation of Canada Finkelstein Prize), Donald Redelmeier (Award for Outstanding Contributions, International Traffic Medicine Association and the Anne and Neil McArthur Award for Outstanding Canadian Research, McMaster University), Maureen Trudeau (Best Paper Award, Journal of Oncology Pharmacy Practice), David Spaner (Governor General’s Research Award, Leukemia and Lymphoma Society of Canada), Ellen Warner (U of T Division of Medical Oncology Investigator Award), Lorne Zinman (ALS Queen Elizabeth II Diamond Jubilee Medal), Andrea Gershon (Ontario Lung Association/Pfizer Canada Smoking Cessation and COPD Award and the Department of Medicine Junior Investigator Award), Brad Strauss (Department of Medicine Senior Investigator Award and Rob Fowler (Commonwealth Fund Harkness Fellowship in Healthcare Policy).

Many members of the Department received external salary support for their research success, including Canada Research Chair holders Jack Tu, Don Redelmeier, and Kaveh Shojania; Nick Daneman, a CIHR Phase II Clinician-Scientist; Dennis Ko, a CIHR New Investigator; Harindra Wijeysundera, a CIHR Institute of Health Services and Policy Research Fellow; Rob Fowler, Heart and Stroke Foundation Phase II Clinician-Scientist; Ayelet Kuper, a CIHR New Investigator; Urban Emmenegger, a Clinician-Scientist Awardee from the Prostate Cancer Canada; Richard Swartz, a Focus on Stroke Research Scholarship, from the Heart and Stroke Foundation, CIHR, and the Canadian Stroke Network; Sandra Black, the Deborah Ivy Christiani Brill Chair in Neurology and Andrea Gershon, a CIHR New Investigator Awardee for Pharmacologic Management of Chronic Disease in Older Adults.

Department partners have been generous in their support of researchers and research activities and we have been able to successfully leverage this support via the federal Scientific Research and Experimental Development program. The department continues to enjoy a very collaborative relationship with Sunnybrook Research Institute and the Institute for Evaluative Clinical Sciences: partnering with clinical programs to help improve our collective research space on K3-West; working with SRI to create more seamless accounting and research administration interactions; and ensuring departmental research employees have an appropriate home within SRI. We are thrilled to promote research activities internally with our ongoing scientist poster series, and a new investigator video link to help the world learn more about researchers at Sunnybrook.
Our faculty consists of 103 full-time and 187 part-time members.

The OB Medicine and Clinical Pharmacology & Toxicology divisions are not represented on the chart as all members are cross-appointed.

19% of the full-time faculty are full-professors and this compares with 25% across the University-wide Department of Medicine.

<table>
<thead>
<tr>
<th>University Rank</th>
<th>Sunnybrook</th>
<th>UofT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>19%</td>
<td>25%</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>21%</td>
<td>26%</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>53%</td>
<td>43%</td>
</tr>
<tr>
<td>Lecturer</td>
<td>6%</td>
<td>6%</td>
</tr>
<tr>
<td>TOTAL</td>
<td>100%</td>
<td>100%</td>
</tr>
</tbody>
</table>
Full-Time Faculty by Job Description

49% of the faculty are researchers

Promotions

Congratulations to our physicians who were promoted effective July 1, 2011.

<table>
<thead>
<tr>
<th>Professor</th>
<th>Associate Professor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Craig Earle</td>
<td>Dr. Scott Berry</td>
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<tr>
<td>Dr. Liesly Lee</td>
<td></td>
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</tbody>
</table>
New Appointments

We welcomed the following new faculty:

**Cardiology**

**Dr. Alex Leber** is an interventional Cardiology staff member participating in the PCI and STEMI program as well as in the TAVI program. He is an Associate Professor and a Clinician-Investigator at the University of Toronto. He is also the Clinical Director of the Imaging Research Centre for Cardiac Interventions (IRCCI). His area of academic interest is advanced cardiac imaging using MSCT and MRI to characterize atherosclerosis and to guide cardiac interventions. He pioneered in cardiac CT research and was part of the team developing the first in men coronary MSCT exams back in 1999.

**General Internal Medicine**

**Dr. Slaughter** is an internal medicine consultant in the Division of General Internal Medicine. He is a Lecturer and Clinician-Teacher at the University of Toronto. His area of academic interest is ambulatory medicine, and diversion of patients from inpatient medicine.

**Geriatric Medicine**

**Dr. Gandell** is a Geriatric Medicine consultant in the Division of Geriatric Medicine. He is a Lecturer and a Clinician-Teacher at the University of Toronto. His area of academic interest is the role of comprehensive geriatric assessment in older trauma patients.

**Neurology**

**Dr. Esther Bui** is an epilepsy consultant in the Division of Neurology. She is a Lecturer and a Clinician-Teacher at the University of Toronto. Her area of academic interest is epilepsy in pregnancy, women's health in epilepsy and medical education.

**Dr. Andrew Lim** is a neurology and sleep medicine consultant in the Division of Neurology. He is an Assistant Professor and a Clinician-Scientist at the University of Toronto. His area of academic interest is the genetic dissection of sleep and circadian traits using contemporary statistical genetic approaches, and the elucidation of their relationship to the risk, presentation, and treatment of common medical diseases, including stroke, heart disease, neurodegenerative disease, and cancer.
2012 Department of Medicine Award Recipients

**Teaching**

**Young Teacher Award**
- Dr. Brian Wong

**In-Patient Teaching Award**
- Dr. Gemini Tanna

**Pre-Clerkship Teaching Award**
- Dr. Grant Chen

**Ambulatory Teaching Award**
- Dr. Janey Hsiao

**Part-Time Teaching Award**
- Dr. Andrew Smaggus

**Continuing Education Award**
- Dr. Ilan Lashevsky

**Research**

**Junior Investigator Award**
- Dr. Andrea Gershon

**Senior Investigator Award**
- Dr. Bradley Strauss

**Leadership**

**Department Of Medicine Leadership Award**
- Dr. Michelle Hladunewich

**Mentorship**

**William J. Sibbald Faculty Mentoring Award**
- Dr. Kaveh Shojania

External Leadership Positions

**Peters-Boyd Academy Director**
- Dr. Mary Anne Cooper

**U of T Division Directors**
- Dr. Johane Allard – Gastroenterology
- Dr. David Juurlink – Clinical Pharmacology
- Dr. Neil Shear – Dermatology
- Dr. Kathy Pritchard – Medical Oncology
- Dr. Khalil Sivjee (interim) – Respirology

**U of T Program Directors**
- Scott Berry
- Barb Liu

**U of T Educational Leaders**
- Dr. Anita Rachlis, Faculty of Medicine Clerkship Director
- Dr. Brian Murray, DOM Director of Integrated Medical Education
- Dr. Brian Wong, Director, Faculty Development & Continuing Education in Quality & Safety

**U of T Division Directors**
- Dr. Johane Allard – Gastroenterology
- Dr. David Juurlink – Clinical Pharmacology
- Dr. Neil Shear – Dermatology
- Dr. Kathy Pritchard – Medical Oncology

**U of T Program Directors**
- Scott Berry
- Barb Liu

**Director, Toronto Dementia Research Alliance**
- Sandra Black

**Lead Scientist, Colo Cancer Check program, CCO**
- Jill Tinmouth

**Canadian Hypertension Education Program Chair**
- Sheldon Tobe
Faculty Well-Being Committee

The Department has established a Faculty Well-Being committee with the aim to further enhance the environment of the department physicians by focusing on issues relating to their personal, academic and social lives. The Committee is led by Drs. Ivy Fettes and Liesly Lee and will advise the Physician-in-Chief on issues relating to faculty well being and satisfaction.

Last year, five meet and greet luncheons were held; these were hosted by the divisions of Cardiology, Endocrinology, Medical Oncology/Hematology, Nephrology and Neurology. Feedback continues to be very supportive and the plan is to have luncheons in the upcoming academic year. A retirement planning seminar was also held and an information session for incorporated members, to give information about the practical aspects of managing their corporations is being planned.

L-R: Drs. E. Piliotis, B. Shah, A. Zahirieh, L. Lee (co-chair), A. Tandon
Seated: Dr. I. Fettes (co-chair)
Absent - Drs. K. Imrie and M. Myers
Our Strategic Plan 2010-2015, “Sharpening our Focus” was developed in 2009 and we accomplished most of our goals outlined for 2010-2012. The following goals for 2013-2014 have been developed and are currently being worked on.
### SHORT-TERM GOALS 2013-2014

#### Quality Clinical Care
- Ensure all divisions make outpatient notes accessible in EPR
- Ensure all divisions implement processes for expedited access from the ED, RRC, and inpatient wards
- Formalize discharge clinic visits in order to improve care transition from inpatient to outpatient
- Enter formal partnerships with 20 community primary care physicians
- Decrease patient census per team on GIM to < 25 (15% reduction)

#### Research
- Establish named professorship and dinner for the DOM Resident Research Day
- Establish a funded research chair for DOM
- Complete the transfer of research staff from Sunnybrook Department of Medicine partnership (SDMP) to Sunnybrook Research Institute (SRI)
- Increase DOM research contributions to SRI and the SRED program by 20%
- Establish a mechanism to find adequate work space for DOM and affiliated Programs’ clinical research staff in the hospital
- Increase support for DOM Clinician Scientists and Investigators, in line with other University of Toronto hospitals
- Improve visibility and promotion for DOM Research within and outside Sunnybrook through deployment of videos on the web
- Conduct an external review of the DOM research activities and committee functioning

#### Education
- Make process for awarding teaching stipends more transparent, focused and merit-based
- Develop and deploy a regular Departmental education newsletter
- Nominate at least four (4) DOM members for external awards each year
- Ensure each rotation has a structured orientation as well as updated goals and a rotation manual accessible online

#### Sustainability/Accountability
- Develop and implement a late career transition policy
- Develop and implement a global budgeting model for the academic budgets
- Implementing performance assessment for Management Committee members and committee chairs
- Revise the SDMP partnership agreement
- Implement a new pregnancy and parental leave policy
- Develop and implement a policy for non-partner members of the department
- Explore the feasibility of implementing stipends for division heads
- Develop and report one measure of access, one measure of process and one measure of outcome for each division
- Improve physician hand hygiene compliance to over 90%
- Deploy a departmental portal to improve communications
DIVISION REPORTS

There are 15 subspecialty divisions in the Department of Medicine. Appendix 1 lists faculty by Division.
The Division of Cardiology consists of 20 full-time cardiologists, 1 major part-time cardiologist, and four part-time community cardiologists. The division works with the Schulich Heart Program to provide care of patients with cardiac and vascular diseases, focusing on coordinated and integrated cardiovascular services; cardiac interventional and structural procedures, acute coronary syndromes, and ambulatory care.

Clinical:
Over 3300 diagnostic cardiac angiograms, 1800 coronary angioplasties, 50 Transaortic valvular implants, 25 Mitra clips, 360 pacemakers, 230 ICDs and over 240 EP studies/ablations are performed annually. Inpatient activities include emergency care, an active cardiology ward and CICU and hospital-wide cardiac consultation services. In the past year, the CICU has now expanded its activities to include full ventilation. Outpatient activities involve supporting a large ambulatory interventional/diagnostic catheterization program as well as leading edge echo services, where over 9600 echocardiographic procedures are performed annually. Sunnybrook echo lab is one of only 3 echo labs in Canada accredited by the Intersocietal Accreditation Commission (sponsored by American College of Cardiology/American Society of Echocardiography) for adult echo, transesophageal echo and stress echo. Cardiology Clinics, including the Arrhythmia Clinic and the Device Clinic (pacemaker, ICD) record over 6900 visits annually.

Our STEMI program has >400 activations annually. We held the first annual THAC (Toronto Heart Attack Collaboration) STEMI conference at Vaughan Estates in September 2012 with 150 participants and Dr. Brahmajee Nallamutho from University of Michigan as the key-note speaker.

Education:
The division is one of three University of Toronto teaching units, attracting trainees in Interventional Cardiology, Electrophysiology, and Cardiac Imaging (Echocardiography, MRI, CT scanning) from the University of Toronto as well as from other prestigious institutions, nationally and internationally. The teaching program involves undergraduate and postgraduate trainees (residents and subspecialty fellows).

We have reorganized the clinical rotation of PGY1 in the past year to provide additional exposure to cardiac critical care and cardiac consultations.

Research:
Major research foci are image-guided cardiovascular interventions and cardiovascular outcomes and health care utilization. Collectively, the division members hold almost $59 million in peer-reviewed funding as principal investigators and co-investigators. In partnership with other members of the Schulich Heart Program and the Sunnybrook Research Institute, the division has access to the Imaging Research Centre for Cardiovascular Intervention (IRCC), which was funded several years ago by a major national peer-reviewed CFI grant. The Cardiology faculty produced over 80 peer reviewed publications over the past year and held over $8.7 Million in research grants the last year.

Division Head:
Dr. Bradley Strauss
Recent Achievements:

The Cardiology division has now completed the D3 renovations, including the Odette Family In-Patient ward, the Brian W. Gilbert Cardiac Intensive Care Unit and the Short Stay Unit. The Cardiology division shares the in-patient ward with Schulich Heart Centre partners, Cardiovascular Surgery and Vascular Surgery, in an innovative care model.

The expertise and efficient health care delivery of the cardiac interventional and EP services continue to be recognized by the Ministry of Health with further expansion of some clinical volumes. We are one of six provincial sites recently awarded funding from the Ministry of Health for transaortic valvular implants.

Sunnybrook cardiology recently performed the first-in-man collagenase trial for patients requiring angioplasty procedures for chronic total occlusions. A large international trial of collagenase for >400 patients, CTO-2, will be initiated in spring 2013 and Sunnybrook will be a leading centre.

The structural heart disease program continues to grow and expand. Currently we are performing 50 TAVI (transcatheter aortic valve implantations) annually and with the recent provincial funding support, will be able to increase TAVI volume to 75 cases next year and 90 cases the following year. We have an established program in mitra clips for patients with mitral insufficiency, approximately 25 cases annually. The structural program continues to mature, and we now have a dedicated structural heart disease clinical/research fellow.

Dr. Alex Leber joined the Division of Cardiology in February 2012. Dr. Leber, from Munich, is an interventional cardiologist with an international reputation in cardiac imaging, particularly CT angiography.

A number of Cardiology divisional members have received special awards and recognitions:

- Dept. of Medicine CME event – Dr. Ilan Lashevsky
- Dept. of Medicine Senior Investigator Award – Dr. Bradley Strauss
- Fifth Annual Leo N. Steven Excellence In Leadership Award – Dr. Chris Morgan
- MDMSA Distinguished Service Award – Dr. Chris Morgan
- The Queen Elizabeth II Diamond Jubilee Medal in recognition of his contributions to Canada - Dr. Brian Gilbert

Future Plans:

The structural heart disease program will shortly be starting a new procedure, renal artery denervation for patients with uncontrolled hypertension.
Dermatology

The Division of Dermatology consists of 3 full-time members, 2 clinical associates and 5 part-time members. Services include treatment of skin, hair and nail-related conditions such as eczema, psoriasis, hair loss, skin cancers, acne, and rosacea. The Division provides specialized testing and offers a comprehensive service for cosmetic concerns and records approximately 40,000 patient visits per year in its outpatient clinics.

Clinical:
The division is the leading clinic in Canada for patients with skin blistering diseases and skin lymphoma. Working closely with the Odette Cancer Centre, members care for patients with skin cancers, as well as people at high risk of developing skin cancer, and patients experiencing skin side effects of chemotherapy. The division has facilities for laser care, camouflage makeup, injections, patch testing and surgical skin treatments.

Education:
Sunnybrook Dermatology provides training for all medical students at the University of Toronto, and for all dermatology residents. The undergraduate University program in Dermatology is directed by Dr. Perla Lansang. The new program is now in its second year and has been innovative and well received.

The postgraduate University program directed by Dr Scott Walsh is the largest in Canada with 38 trainees over 5 years. Scott has received many accolades for his superb teaching and leadership.

Dermatology Fellows:
- Dr. Ru’aa Al Harithy (Dermatology FRCPC University of Toronto; Saudi Arabia) is completing a Masters degree in Public Health and is continuing research activity into mechanisms and treatment of hair loss.
- Dr. Roni Dodiuk-Gad (Dermatology staff, Technion University, Israel) is completing a 2 year fellowship in Advanced Medical Dermatology with a focus on Clinical Pharmacology.
- Dr. Phil Laws (Dermatology FRCP (UK) Manchester) is doing a 2 year fellowship in Advanced Medical Dermatology with a focus on Critical Thinking and Cutaneous Lymphomas.

Research:
Members are continually working to improve therapies and the safe use of medications and this work has translated into many areas of research. New treatments for disease such as pemphigus vulgaris, a life-threatening blistering skin disease.

- Dr. Hara Keelan (MRCP(I) Dublin University, Ireland) is completing a 1 year research fellowship on the newest treatments for pemphigus vulgaris, a life-threatening blistering skin disease.
- Dr. Jennifer Salsberg (Dermatology FRCPC University of Toronto), is competing a 1-year fellowship with Dr. Kucy Pon in aesthetic dermatology and a focus in Education.

Sunnybrook is the focus of skin epidemiology research in Canada. The knowledge and skills of this field are much needed in the specialty. On-going excellence in education at all levels is a priority of the division.

Future Plans:
The Endocrine Division comprises five full-time Endocrinologists plus Community and Women’s College Hospital Associated Endocrinologists, a nurse practitioner, nurse educators and dieticians.

The full-time Endocrinologists are:
- Dr. Ivy Fettes (Division Head)
- Dr. Jay Silverberg
- Dr. Baiju Shah
- Dr. Julia Lowe, and
- Dr. Jeremy Gilbert

Clinical:

The Division offers outpatient clinics in General Endocrinology, diabetes mellitus including diabetes in pregnancy, polycystic ovarian syndrome, thyroid problems including thyroid issues in pregnancy and post partum, and pituitary disease.

A new Rapid Diabetes Assessment and Referral (RADAR) Clinic was established in 2012, and provides urgent care for patients with uncontrolled Diabetes Mellitus.

The Endocrine Division and the Department of Family Practice work closely together to provide ambulatory patient care and education through the Sunnybrook Diabetes Education Program (SUNDEC). Patients can refer themselves to SUNDEC. Special programs are provided for older patients with diabetes, for people with PCOS and pre-diabetes, and for patients on the insulin pump.

The Division provides clinical support for all of Sunnybrook’s strategic priority programs including the Women & Babies program, the Schulich Heart Centre program, the Odette Cancer Centre program, and the Trauma Emergency & Critical Care program.

We provide rapid turnaround glucose management for same-day surgery patients with diabetes on insulin.

We do consultations offered to northerly and rural general practitioners via Telemedicine Ontario.

We have an Endocrine test centre in which we perform diagnostic testing, primarily for adrenal and pituitary problems.

Education:

Staff from the Endocrine Division is involved in local, national and global education programs. We participate in the training of undergraduate medical students, postgraduate residents, graduate students and other physicians and health professionals, including nurses, nurse practitioners and dieticians.

A structured program with specific training objectives is offered to medical residents and Endocrine residents/Fellows. From Monday to Thursday the residents spend one-half day in clinic and one-day seeing in-patients. Friday mornings they attend Endocrinology academic half-day lectures at the University of Toronto. Friday afternoons are spent seeing and discussing in-patients with the Endocrinologist on call. Informal teaching is conducted on a regular basis during the various Endocrine clinics. Formal teaching sessions are held throughout the week. On Monday mornings from 8 to 9 a.m. Dr. Silverberg talks about thyroid issues. On Thursday mornings from 8 to 9 a.m. the Endocrinologist on call teaches on a variety of Endocrine topics. Dr. Gilbert does a one-hour session called “Gab with Gilbert” with residents on a weekly basis. Sunnybrook Endocrine Rounds are held every Wednesday from 8 to 9 a.m. The presentations may be clinical or research related, and are done by residents, Fellows and staff from a variety of disciplines in Endocrinology or related to Endocrinology. City-wide Endocrine rounds are research rounds based at the University of Toronto, and are held every Friday from 8 to 9 a.m. prior to the academic half-day lectures.
Dr. Fettes, Dr. Silverberg and Dr. Gilbert are actively involved in program planning of Endocrine Education at the national level, through the Canadian Society of Endocrinology & Metabolism (CSEM) and the Canadian Diabetes Association (CDA). Dr. Gilbert is the Faculty Advisor for the Residents Council of the CSEM. This involves organization of an Annual Residents Educational Program and facilitation of the participation of residents in the Annual Professional Conference of the Canadian Diabetes Association/Canadian Society of Endocrinology & Metabolism. Dr. Silverberg is the President Elect of the CDA Clinical & Scientific section. Dr. Lowe is involved in educational programs in Ethiopia, Guyana and Australia. She is the academic lead for the University of Toronto Division of Endocrinology in the global partnership with Addis Ababa University. Dr. Lowe is also the University of Toronto Endocrine lead in the Multidisciplinary Guyana Diabetic Foot project, which is a collaborative effort between Canada and Guyana to develop a multi-educational program in diabetes and hypertension in Guyana.

**Research**

Our research focuses on diabetes mellitus and quality improvement initiatives. The division undertakes basic research into the genetics and immunology of Type 1 diabetes mellitus, and health services in Epidemiology research in diabetes mellitus, through the Institute of Clinical Evaluative Sciences (ICES).

**Recent Achievements**

In 2011 Dr. Gilbert received the George L. A. From Post-graduate Teaching Award in Endocrinology & Metabolism from the University of Toronto. In October 2011, Dr. Fettes received the Canadian Society of Endocrinology & Metabolism Robert Volpe Distinguished Service Award.

The Sunnybrook Endocrine Division continues to be highly rated for the training program for rotating Medical and Endocrine residents.

Two of the important publications from Endocrine Division staff in 2012 related to Diabetes in Pregnancy. Dr. Shah was the Senior Author of a paper describing the increased risk of subsequent diabetes after gestational diabetes in different ethnic groups (Diabetologia 2012; 55: 2148-53). Dr. Lowe was a contributing author to a paper for the HAPO Study Cooperative Research Group in a recent hyperglycemia and adverse pregnancy outcome study, suggesting an A1C measurement was not a useful alternative to an OGTT in pregnant women (Diabetes Care 2012; 35: 574-580). The Endocrine Division underwent an External Review in January 2012. The plans are for recruitment of a new Division Head since Dr. Fettes has completed her two terms, and for recruitment of a Junior Endocrinologist with an interest in Quality Improvement.
Gastroenterology

The Division of Gastroenterology consists of six full time faculty members and one clinical-associate who share a clinical focus on all aspects of gastroenterology and hepatology, in addition to the Division Head who holds an administrative position. Faculty members have particular expertise in gastrointestinal oncology, inflammatory bowel disease nutritional support and therapeutic endoscopy.

Clinical:

Working with Sunnybrook’s care programs, including Odette Cancer Centre, Trauma, Emergency & Critical Care and Veterans & Community, members provide inpatient and outpatient consultative services and endoscopic procedures. The division’s gastrointestinal endoscopy service provides state of the art diagnostic and therapeutic intervention for gastrointestinal bleeding, pancreatoco-biliary diseases, colorectal cancer screening and prevention, and palliative endoluminal stenting for malignant disease. New endoscopic programs in development include endoscopic ultrasound and enteroscopy (including both video capsule and push optical enteroscopic imaging).

Education:

Members provide expertise and training for medical students, residents in internal medicine, gastroenterology, general surgery and specialty gastroenterology fellows. Students at all levels are exposed to a wide range of clinical issues within the outpatient and inpatient services. Excellent teaching rounds and clinical conferences are provided on an ongoing basis. This year, the Division of Gastroenterology at Sunnybrook had the highest teaching rotation score across the city, for gastroenterology.

Research:

The research accomplishments of the division include leading edge research projects in colon cancer and epidemiology with the Institute for Clinical Evaluative Sciences, as well as anal cancer, esophageal adenocarcinoma & gastric cancer. The division is a partner with the Ministry of Health & Long Term Care Ontario on an innovative nurse flexible sigmoidoscopy program, which aims to increase colorectal cancer screening capacity in Ontario. In addition, there is an active clinical trials program in inflammatory bowel disease and research on the quality of and education in gastrointestinal endoscopy. The division is also actively involved in research regarding endoscopy simulation.

Recent Achievements:

Research funding:

- Assessing quality of colonoscopy. Canadian Cancer Society, CCO. Dr Tinmouth
- Assessing incidence and prevention of esophageal adenocarcinoma in persons with gastroesophageal reflex. Connaught Foundation. Dr Tinmouth
- Improving gastric cancer survival: development and measurement of quality indicators. NCIC, Dr Tinmouth
- Colorectal cancer screening. CIHR Dr. Tinmouth
- Anal cancer screening. NCIC. Dr Tinmouth
- Investigating impact of ColonCancerCheck feasibility. CCO. Dr Tinmouth
- Dr Tinmouth: New Investigator Award in HIV/AIDS Biomedical/ Clinical Research. CIHR
- Several clinical trials in IBD, UGI bleed and polyp prevention (as participating site) Dr Saibil, Dr Cohen and Dr Bernstein
- Quality assessment of simulator-based endoscopy curriculum. DOM U of T. Dr MA Cooper, Dr Yong and Dr Tinmouth

New positions:

- Academy Director for Peters-Boyd Academy : Dr MA Cooper
- Dr Tinmouth as Clinical-Scientist Lead for CCO ColonCancerCheck

Future Plans include:

- Recruiting a clinician-teacher with a Master in Education to further improve the education program in GI and expand the research program in education
- Recruiting a clinician-scientist to conduct epidemiologic research to assess the impact of new technology in screening and treating gastrointestinal cancers.
- Patient Safety and Quality-Improvement initiatives are being developed by Dr Bernstein who is a member of the newly formed Quality Improvement and Patient Safety Committee within the University of Toronto GI Division.
- In addition to current endoluminal stenting procedures, it is planned to add other endoscopic stenting procedures such as esophageal, gastroduodenal and colonic stenting procedures in the coming year.
The Division of General Internal Medicine (GIM) has 12 full-time faculty members who deal with preventing, diagnosing and treating adults with complex multi-system illness in the inpatient and ambulatory setting. The division is the largest admitting service in the hospital and is responsible for the majority of patients admitted to the Department of Medicine at Sunnybrook. Members also provide consultative services for medical issues in all areas of the hospital.

**Clinical:**

Approximately 5,000 patients are admitted to GIM annually. In addition, the Division performs about 1,300 consultations each year for other departments. The GIM Division is responsible for two unique and highly innovative programs, the Hospitalist Training Program as well the Sunnybrook Patient Safety Unit. Both undertakings are firsts in Canada and both have attracted considerable external attention.

**Education:**

In addition to its major clinical presence, the GIM Division is also home to many outstanding educators. Members have been the recipients of numerous prestigious awards for medical education. Some of these awards include the PAIRO Clinical Teaching Excellence Award, and such Faculty level honours as the W.T. Aikins Award, the “Silver Shovel” Award, the E. Mary Hollington Award, and the Deans’ Postgraduate Teaching Excellence Award. At the University Department of Medicine level, GIM members have won the Department of Medicine Teaching Excellence Award and the William Goldie Award.

**Research:**

Together GIM members hold over $2 million of peer-reviewed funding as principal investigators and more than $1 million as co-investigators. Members have publications in peer-reviewed journals such as the New England Journal of Medicine, JAMA, The Lancet, CMAJ, and Annals of Internal Medicine. In recent years, members have been awarded two Canada Research Chairs in Health Services Research, Career Scientist Awards from the Ontario Ministry of Health and Long Term Care, and a Senior Scientist Award from the Canadian Institute for Health Research.

**Recent Achievements:**

In the last year, the division in cooperation with the University of Toronto Department of Medicine, has developed a fifth clinical teaching unit (Silver Team). This team was initiated to improve the service to education ratio on GIM, and to improve the clinical experience of students and trainees. Other achievements include the purchase of a portable ultrasound machine to improve the safety of bedside diagnostic procedures. Under the leadership of Dr Graham Slaughter, we are studying the clinical and educational impact of bedside portable ultrasound. We have recruited Dr Graham Slaughter, a clinician teacher whose interests include ambulatory care GIM. We have recruited Dr Umberin Najeeb, a clinician educator whose interests include the international medical graduate educational experience.

**Future Plans:**

Our division continues to work with the hospital to improve the flow and care of patients admitted through the ER.
The program underwent an external review this year. Key findings included:

1. The provision of “patient centred, easily accessible and well rated services”
2. “Dedicated” and “hard working division members who go beyond their call of duty”
3. A “Strong interprofessional team (which) is unparalleled in many jurisdictions in Canada” with “high work satisfaction”
4. There is a “very positive learning environment” “and its members have consistently exceeded expectations in fulfilling their teaching mandate”

Key areas for development relate to the limited number of division members and limited funding for Geriatric Medicine. Suggestions included a strategic alignment with hospital priority programs to focus the division’s limited resources and this strategy is currently being implemented.

The Division of Geriatric Medicine consists of four full-time members as well as several part-time physician members. The division was pleased to welcome Dr. Dov Gandell to our group in 2012. Dr. Gandell is a clinician-teacher with a strong reputation as a teacher and will also be involved with quality improvement. The group works closely with the Brain Sciences Program, the Veterans and Community Program and the Regional Geriatric Program of Toronto to provide a full spectrum of patient care for seniors from comprehensive, interprofessional assessments to outreach and in-home treatments. The Director of the Regional Geriatric Program of Toronto is a member of the division.

Clinical:

The division provides consultations to all areas of the hospital. Members also provide specialized geriatric ambulatory consultation, including the multidisciplinary memory clinic and specialized falls prevention program, as well as the Day Hospital. The geriatric outreach team provides in-home multidisciplinary assessment of the frailest homebound seniors.

The division has several new services this year. They include a Geriatric Trauma Consultation Service that is the subject of an ongoing multi-hospital study. Additionally, and in line with provincial directives, participation in the Impact Clinic, a multidisciplinary collaboration with Family Practice, Allied Health and Geriatric Medicine for frail seniors has also been instituted. Across the spectrum of our services we provide over 6,000 total patient visits per year.
Education:
Members of the division are sought after teachers, both locally and internationally with multiple elective trainees. We provide inter-professional education at all levels and have been recognized through several awards. Several members are involved at a national level including involvement on the Royal College Examination Board. The University of Toronto Program Director for Geriatric Medicine is located at Sunnybrook as is the co-director for undergraduate education. The division provides direct supervision for over 100 students annually. The education program is the highest rated Geriatric Medicine program amongst the internal medicine trainees at U of T.

Research:
The division’s research focuses on health services evaluation and quality improvement initiatives, such as the early mobilization, multisite project, and The Virtual Ward project. This is a CIHR funded UofT collaborative RCT looking at improving the transition of care from the hospital to the community. Our Proactive Geriatric Trauma Consultation Service study was also implemented this year and is going well. We are also active collaborators on a number of studies on falls prevention and patient safety. In total, there is more than 3.5 million dollars in peer reviewed funding relating to the division’s research.

Leadership:
Division members provide leadership to geriatric initiatives including leading the RGP and various senior friendly strategies that range in scope from local, regional, provincial and national initiatives. Members are also involved in a number of physician management committees including the Sunnybrook Department of Medicine Management Committee and Vice Chair of the Sunnybrook AFP. Additionally, they are involved with ongoing work for the CPSO.

Future Plans:
The division is looking to establish further linkages with programs where preliminary evidence suggests improved outcomes through such collaborations. Our next focus will be on geriatric oncology, this will provide for further research opportunities, while studying such models of care.
Infectious Diseases

The division provides inpatient and outpatient consultations in infectious diseases. The interdisciplinary HIV Ambulatory Clinic provides HIV-related infectious diseases, renal, endocrinology and nursing care, with social work counseling. The division plays an active role in the hospital's Antimicrobial Stewardship Program, and works closely and collaboratively with the Department of Microbiology and the hospital's Infection Prevention and Control service.

Education:

The division provides training for the Infectious Diseases Residency Training Program, Core Internal Medicine trainees, Medical Microbiology trainees, Family Medicine, Dermatology, Orthopedic, and Critical Care residents, and elective undergraduate medical students. Elective residents and students are drawn to the division from across Canada and internationally.

Research:

The division includes two Clinician Scientists. Research methodologies employed by investigators in the division span the spectrum from basic science studies and utilization of animal models, to observational and clinical trials, epidemiologic studies, and health services research. The content of the research undertaken is also diverse, including studies of HIV infection, influenza transmission, hospital epidemiology, healthcare-associated infections, antimicrobial resistance (including methicillin-resistant Staphylococcus aureus and Clostridium difficile), and antimicrobial stewardship. A member of the division is an active member of the Canadian Nosocomial Infection Surveillance Program, which conducts prospective surveillance to better understand the epidemiology and outcome of significant healthcare-associated infections. Division members continue to be successful in garnering peer-reviewed funding, and as a result of their investigations, there were numerous peer-reviewed publications in high impact medical journals.

Recent Achievements:

A new divisional ambulatory-care clinic (one-half day per week) for general infectious diseases became operational this past year. In partnership with the Department of Pharmacy, the division led the initiative to implement an Antimicrobial Stewardship program in order to ensure the most appropriate use of antimicrobial agents to decrease antimicrobial resistance and drug costs. The program was initially instituted in the hospital's critical care units, and in the past year it has been rolled out to several other medical and surgical units. The program has been enormously successful, with greater than 15% reductions in broad-spectrum antibiotic use, and associated decreases in C. difficile infection rates.

In the past year, a member of our division was awarded the Faculty of Medicine W.T.Aikins Faculty teaching Award for outstanding teaching and service in Undergraduate Education. Another divisional member was successful this past year in garnering a CIHR Clinician Scientist Phase 2 Award.

Future Plans:

In the next year, we plan to to complete a more formal and rigorous evaluation of the impact of the hospital's Antimicrobial Stewardship program. We also plan to recruit a new physician to the division.
Medical Oncology & Clinical Hematology

The division provides consultation, diagnosis and treatment services for a wide variety of cancers and is a key partner of the Odette Cancer Centre. The division consists of 25 full-time Medical Oncologists and Hematologists who work in multidisciplinary teams across the hospital and at the Odette Cancer Centre providing highly specialized and individualized care for unique cases. Dr. Kathy Pritchard leads the U of T Division as Director for Medical Oncology.

Clinical:
Care is provided in a multidisciplinary outpatient setting with over 4,300 new patients and 23,000 chemotherapy visits annually. The opening of the newly renovated pharmacy and chemotherapy unit provides more space and privacy, and enables us to meet our patients needs more efficiently and safely. More chemotherapeutic regimens have been introduced since last year, demonstrating the great advances that have been made in the adjuvant, metastatic and targeted therapy areas, especially new treatments guided by the presence or absence of biologic markers.

Programs such as the Myelodysplastic Syndrome Program, the Locally Advanced Breast Cancer Program, and the PYNK program for young women with breast cancer provide patients with focused, leading-edge care. The presence of ethicist Dr. Scott Berry in the division allows a focus on end of life care. Many of these programs are unique in Canada, and are among the ways Sunnybrook is leading the future of cancer care. Several division members participate in National and Provincial cancer drug funding committees (pCODR, CED-CCO subcommittee and CED).

Education:
The division is a leader in training and academics, both in the traditional educational model, and in the online and web-based environments. The OncologyEducation.ca website has achieved national and international attention. The post graduate training as well as programs developed for medical oncology and hematology residents nation-wide, and the development & implementation of training guidelines, particularly through the participation in the Program of Evidence-Based Care at Cancer Care Ontario (CCO-PEBC), continue to set Sunnybrook and the University of Toronto apart as leaders in oncology and hematology education. The postgraduate training program directors for both Medical Oncology and Hematology (Drs. Berry and Piliotis) are Sunnybrook division members.

Research:
The division’s clinical trial programs offer many patients from all tumour sites the opportunity to participate in leading edge research and care options. Medical oncologists and hematologists within the group hold leadership positions as site group chairs for the Cancer Care Ontario, Program in Evidence-Based Care (CCO-PEBC), and the National Cancer Institute of Canada-Clinical Trials Group (NCIC-CTG). Dr. Craig Earle heads the Ontario Institute for Cancer Research (OICR) Health Services Research (HSR) section and is highly involved with HSR at ASCO as well. Members also serve on ASCO committees. Economic outcomes and research is another developing area of research in the group and Dr. Kelvin Chan is pursuing a PhD in biostatistics, he will be the sole Canadian oncologist with this training. Dr. Georg Bjarnason also pursues studies in chronobiology, he works closely with the European Organization for Research and Treatment of Cancer (EORTC) in this important area of research, especially in renal cell cancer.

Future plans:
The division plans to maintain its academic excellence in education and research while increasing its focus on patient centred care and clinic care redesign. The presence of the Women and Babies Program at the Sunnybrook Campus will foster collaborative research between our programs. The recruitment of a clinician in quality improvement to our staff (Dr Sonal Gandhi), will help to meet the goals of quality improvement both at the CCO level and within the hospital. Our future goals include the development of an health technology assessment unit, a program in collaboration with Geriatrics, and greater collaboration with SRI with the recruitment of Dr. David Andrews.

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Division Head:
Dr. Maureen Trudeau
Clinical:

Our clinical program provides excellent care to our patients, both in hospital and within the community. Our many innovations continue to improve program delivery and benefit the quality of life for the many patients we work with. Through our multidisciplinary kidney care clinic and nocturnal dialysis program, we are positively impacting patient care. Our newest initiatives involve the creation of a vascular access clinic wherein patients are seen in a single clinic visit by a vascular access coordinator nephrologist (Dr. Oliver) and a vascular surgeon.

Further, we have a wider impact with respect to quality of care through the efforts of Dr. Oliver. The Dialysis Measurement Analysis and Reporting (DMAR) system is a web-based quality assurance system housed at the Institute for Clinical Evaluative Sciences. It accurately collects performance and quality assurance data from nine dialysis programs across Canada so they can compare their practice and improve patient care. Data collected in the system is also used for peer reviewed research.

Education:

The division has a number of successful education initiatives.

1. Nephrology Now, The Ultimate Guide to Kidney Disease Research, developed by Dr. Tanna and her partners, reviews and highlights leading edge international nephrology literature. Nephrology Now has over 4000 subscribers worldwide (www.nephrologynow.com). This year it was expanded to create a separate website for transplant literature, Transplant Now (www.transplantnow.com).

2. Drs Tanna and Zahirieh organize the renal curriculum for the newly created PGY1 and 2 core internal medicine half days.

3. Drs Tanna and Zahirieh continue to co-ordinate Renal Week for the second year medical student MMMD course. There was a significant improvement in the teaching scores - with a ranking in the top 5 weeks of the entire course.

4. Our core rotation for medicine residents continues to rank highly. The number of trainees for the 2012-2013 year has significantly increased.

Research:

All members of the division are actively conducting research with recent funding in the areas of hypertension, acute kidney injury and glomerular-based disease. Dr. Tobe is leading studies in hypertension as the head of CHEP (Canadian Hypertension Educational Program). He is integral within DREAM Global, which will utilize established HIV infrastructure to bring chronic disease management to the 3rd world. Dr. Hladunewich is the co-chair of recruitment for an international consortium funded by the NIH for $10.5 million to develop a database and biobank for the study of nephrotic syndrome (Neptune Study). Dr. Naimark is an integral member of the Chronic Kidney Disease Prognosis Consortium, which results in numerous high impact publications yearly.

Future Plans:

The nephrology team was disappointed with the MOH decision not to support our new kidney care centre, but plans are ongoing for a satellite alternative.
Neurology

The Neurology division has 11 full-time members known for significant local, national, and international leadership and leading knowledge translation expertise from a wide spectrum of neurologic specialties. Neurology is an important leader in the Brain Sciences Program but has important roles across other priority programs at Sunnybrook including Oncology (brain tumours), Trauma (Neuro-ICU consultation and EEG), Women and Babies (neonatal EEG, obstetrical medicine, management of seizures, stroke, and sleep disorders). Known for leading research in stroke medicine, vascular cognitive impairment, and neurodegenerative disease several scientists and investigators in the division are active participants in large multicentre grants, city-wide and provincial centres of excellence, and attract students at all levels of education.

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Education:
The division has a strong reputation for teaching, and is one of the most popular training sites at the University of Toronto. Five members of the division’s faculty have received teaching awards in the last two years.

Leadership positions and Awards:
Members of the division of neurology are often national and international leaders in their field of expertise.
Some highlights include:
- Dr Brian Murray – Appointed as Director of Integrated Medical Education for the University of Toronto Department of Medicine. Also appointed as Vice-Chair of the Sunnybrook Research Ethics Board.
- Dr Liesly Lee – Received the MOHLTC 2012 Achievement, Commitment and Excellence (ACE) award for contributions to provincial guidelines in multiple sclerosis
- Dr Lorne Zinman – Queen Elizabeth II Diamond Jubilee Medal in recognition of leadership in ALS and remains founder and Chair of the Canadian ALS Consortium
- Dr Mario Masellis – received the prestigious Early Researcher Award from the Ministry of Economic Development and Innovation.
- Dr Sandra Black – received the Order of Ontario and was named as a Fellow of the Royal Society of Canada. Also appointed as Executive Director of the Toronto Dementia Research Alliance
- Dr Rick Swartz - appointed the Medical Director for the North & East GTA Stroke Network

Research:
Members are actively involved in Research. Feature research includes:
- Heart and Stroke Centre for Stroke Recovery, devoted to optimizing cognitive and sensorimotor recovery after stroke.
- Stroke Research Unit
- LC Campbell Cognitive Neurology Research Unit (including the Memory Disorders Clinical Trials Unit)
- Motor Neuron Disease Translational Research Unit
- Neuro-oncology program through the Crolla Brain Tumour Unit

Future Goals:
The Division is in a recruitment phase and the addition of an Urgent Care Neurologist and a Stroke Medicine Specialist are anticipated in 2013.
Obstetrical Medicine

The Division of Obstetrical Medicine was formed to provide support to medically ill mothers and to further the educational and research directives of the Women’s and Babies Program. The goal of the Division of Obstetrical Medicine is to provide a service that aspires to clinical excellence with safe, collaborative multidisciplinary care.

Recent Achievements:
We developed a safe sustainable system to provide this care by integrating obstetrical medicine into existing established services. All potential medical services exist to accept consultation. Each division has identified an expert/champion who is available to assist front line individuals and continue the education process.

Outpatient consultations exist for all subspecialties. Areas wherein it is best to provide care in a combined MFM/OB Medicine clinic, have clinic time within the Mother’s and Babies Program. To date, Endocrinology is a busy combined clinic and this year Nephrology and a hypertension clinic along with a General OB Medicine Clinic were added. The Pregnancy and Kidney Disease Clinic (PreKid) is operating twice a month, and this busy clinic is a huge draw for trainees. The Hypertension and Pregnancy Clinic is embedded within this clinic and received support from the DOM strategic initiatives fund.

Clinical Faculty:
- Dr. Michelle Hladunewich – Head Obstetric Medicine and Division of Nephrology (SHSC)
- Dr. Anne McLeod – Division of Hematology (SHSC)
- Drs. Jack Colman, Candice Silversides and Rachel Wald – Division of Cardiology (Cross-appointed MSH)
- Dr. Perla Lansang – Division of Dermatology (SHSC)
- Dr. Vanessa Allen – Division of Infectious Disease (SHSC)
- Dr. Carl Laskin – Division of Rheumatology (Cross-appointed MSH)
- Drs. Jeremy Gilbert, Julia Lowe, Baiju Shah and Ivy Fettes – Division of Endocrinology (SHSC)
- Drs. Shoba Kumar and Lorraine Lipscombe – Division of Endocrinology (Cross-appointed WCH)
- Drs. Brian Murray, Richard Swartz and Ester Bui – Division of Neurology (SHSC)

Education and Research:
We have integrated four lectures a year dedicated to obstetrical medicine into Medical Grand Rounds. We are teleconferencing citywide obstetrical medicine rounds from MSH. The members of the division are involved in three CIHR funded multicenter research studies and a study nurse has just been recruited. The upcoming year’s activities will concentrate on the ongoing growth of educational and research activities.
Clínica:

Los miembros brindan consulta para cuidado a largo plazo, así como ortopédico, neurología, práctica familiar y reumatología. La división también proporciona la dirección clínica en el Centro para Vida Independiente de Sunnybrook (SCIL). Se han establecido varios programas ambulatorios que incluyen lesiones en la cabeza, lesiones en la médula espinal, múltiples esclerosis, manejo de amputados, manejo de cuidados de las extremidades, ortopedia, manejo de lesiones deportivas y enfermedad muscular dérmica. La división ha establecido vínculos con St. John’s Rehab y Toronto Rehab.

Investigación:

La división explora varios aspectos en la investigación basada en prácticas y evaluación de programas. Esto incluye la identificación y evaluación de pacientes con lesiones leves, evaluación de la función de los pacientes con ALS, mejora de la movilidad de los pacientes con dolor crónico de los pies, abordaje multidisciplinario para el manejo de pacientes con múltiples esclerosis y evaluación de pacientes con lesiones en la médula espinal. La división también ha comenzado recientemente rehabilitar a pacientes con quemaduras. En 2012, Dr. Berbrayer fue nombrado miembro del Comité de Métricas de desempeño (un comité sub a la comisión de evidencia basada del American Academy of Physical Medicine & Rehabilitation) así como representante del PCPI (uno de dos miembros AAPMR). Fue también nombrado editor del Knowledge Now de PMR (revista de AAPMR). Dr. Berbrayer fue invité a la AAPMR para revision de artículos en CAPMR en su congreso anual para su publicación como abstracts. Dr. Berbrayer también revisó varios abstracts seleccionados para la AAPMR en Atlanta Georgia. Dr. Berbrayer revisó varias propuestas para el Family Practice journal, Spinal Cord, PMR, Journal de Medicine. Dr. Berbrayer trabajó con el comité de investigación del PM&R para examinar el diagnóstico de lesiones en los dedos de la mano en Canadá. Dr. Berbrayer participó como membro del comité de investigación del Department de Medicine en Sunnybrook.
Recent Achievements:
The division has recorded a number of achievements over the past year: (a) Dr. Berbrayer received the “Advocate for Student award” from the Ontario Medical Association and in May 2012 he also received the Ontario Medical Association Physiatry Service Award (b) a Spasticity Clinic was established and the the division received further funding from Allergan for Spasticity research (c) Physiatry Educational Rounds is now webcast and part of core teaching at the UofT division of Physiatry.

Future Plans:
The division anticipates exciting opportunities for collaboration with St. John’s Hospital. Plans include (a) expanding work in amputee management to include core rotation both at Sunnybrook and St. John’s. (b) Increasing treatment/consult of stroke rehab and developing expedited referral to St. John’s as well as stroke network. It also intends to work closer with Orthopaedics to deal with multiple trauma treatment and develop opportunities for integrated education with allied health staff.
Respirology & Clinical Immunology

The Division of Respirology and Clinical Immunology consists of five full-time members who along with part-time members provide comprehensive clinical care for a full range of respiratory conditions. The division runs a number of ambulatory clinics and offers a 24-hour hospital based consultation service. Specific clinical interests of members include: Asthma, COPD, Lung cancer, Blood Clots, Musculoskeletal related breathing disorders and Sleep disorders.

Clinical:
Ambulatory programs include clinics in general respirology, thromboembolic disorders, lung cancer diagnosis and management, neuro-muscular respiratory insufficiency and sleep. The division offers on-site bronchoscopic investigation including fluoroscopic guided biopsy and transbronchial needle aspiration, performs ultrasound guided diagnostic and therapeutic thoracentesis and in conjunction with interventional radiology, coordinate CT guided lung biopsies and tunnelled pleural catheter placement. A hospital based pulmonary function laboratory is used primarily for patients that fall within the hospital priorities but accepts community based referrals.

Education:
The division is strongly committed to teaching/offering leading-edge training programs for undergraduates, postgraduates as well as practicing clinicians. With a clinical focus on thromboembolism, lung cancer, sleep disordered breathing, and respiratory complications in neuromuscular disease, the division offers a vast array of clinical experiences - including ambulatory and acute care Respirology - valuable at both the undergraduate and postgraduate level of training. Our teachers and our respirology rotation have become among the most popular in the city.

Research:
Our research interests center on: Epidemiology and prevention of venous thromboembolism in fractures, COPD diagnosis and management, lung cancer, non-invasive positive pressure ventilation and hospital systems issues. Our researchers are cross appointed at the Institute of Clinical Evaluative Services (ICES) and are involved with analyzing provincial wide data bases to measure the impact of respiratory diseases in Ontario. They are integral in the development of metrics being used prospectively in the Ontario Health Study.

Recent Achievements:
With the recruitment of a full time clinician researcher and a part time clinician educator, the division has been able to produce a nice balance of research, teaching, and clinical services. The exceptional quality of our faculty is evidenced by ongoing publications in high impact journals, teaching ratings that are in the top 10% city wide, and the creation of two new ambulatory clinics. One of these clinics is based in the Odette Cancer Centre and will teach residents how to perform advanced techniques in managing pleural diseases.

Future Plans:
With the economic realities of the day, the division will continue to explore ways to continue to perform at a high level while being fiscally prudent. Using e-technology and novel therapeutics, we will continue to shift traditionally inpatient activity to the outpatient arena. These efforts have been shown to be drastically less costly while producing equivalent outcomes.
**Rheumatology**

The Division of Rheumatology consists of three full-time members and several part-time members who work to provide diagnosis, treatment and follow-up care to patients throughout the province. The division cares for patients with rheumatologic diseases throughout outpatient clinics and inpatient consultation service. We also provide education, counselling and management plans to support patients as they help themselves with increased mobility and good health.

**Clinical:**
The division provides general rheumatology services to both the immediate catchment area, several northern Ontario communities through the Ontario Telemedicine Network, and outreach clinics. There is ongoing partnerships with the Arthritis Society Client Services team allowing for comprehensive management of rheumatic disease patients.

**Education:**
The division is committed to teaching at the level of undergraduate, postgraduate and continuing education in collaboration with other sites within the University of Toronto and with other groups across the country. Members have won several awards for educational activities in undergraduate medicine, occupational therapy, and CME.

**Research:**
Research activities include health services and quality of care research in arthritis management, clinical trials in advanced therapeutics in inflammatory arthritis, and research in innovative methods of delivering MSK education. Both peer-review and contract research is performed within the division.

Interim Division Head: Dr. Gregory Choy
## APPENDIX I: LIST OF FACULTY

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### Cardiology
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- **Silverberg Jay**: Professor

### Geriatric Medicine
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- **Liu Barbara**: Associate Professor
- **Mehta Rajin**: Assistant Professor
- **Norris Mireille**: Assistant Professor

### Infectious Diseases
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- **Simor Andrew**: Professor
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A special thanks to the WebCV Team for providing the summary information for this report. This was a manual process and we have deleted some of the information submitted by the Team, thus there may be discrepancies between the departmental/divisional summary tables and the listed information for all the categories.

APPENDIX II: SUMMARY ACTIVITY REPORTS

1. A special thanks to the WebCV Team for providing the summary information for this report. This was a manual process and we have deleted some of the information submitted by the Team, thus there may be discrepancies between the departmental/divisional summary tables and the listed information for all the categories.
### OVERALL DEPARTMENTAL SUMMARY

Number of Faculty: 103
Number of Clinician Teachers: 41
Number of Clinician Educators: 9
Number of Clinician Investigators: 26
Number of Clinician Scientists: 24
Number of Clinician Administrators: 3

#### Grants

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DIVISION OF CARDIOLOGY

Number of Faculty: 20

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### Publications

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### Honours and Awards

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# Grants, Contracts and Clinical Trials

## Peer Reviewed Funding

**Division Member is Principal Investigator**


2. **Ko, Dennis.** Improving the Assessment and Treatment of Severe Aortic Stenosis by Evaluating Care Gaps and Advancing Risk Predictions (First ranked proposal in clinical committee). D Alter, P Austin, B Borgundvaag, J Brehaut, M Edmonds, S Friedman, J Grimshaw, J Lee, M Schull, T Stukel, J Tu, H Wijeysundera: Heart and Stroke Foundation of Canada. Operating Grant. ($331,058 Apr 2012-Mar 2015 Prorated $27,588) [Grant]


## Other Peer Reviewed Funding

1. **Crystal, Eugene.** Asymptomatic AF and stroke evaluation in PPM patients and AF reduction A pacing trial. S Connolly, SJM. ($15,000 July 2006-July 2011 Prorated: $246) [Clinical Trial]


3. **Crystal, Eugene.** T wave alternans severity assessment in cardiomyopathy (TASC). V Chauhan: AFP innovation fund. Innovation Funds. (July 2010-July 2012) [Grant]


12. Madan, Minakshi. EVITA. Investigator initiated project/ Pfizer USA. Grant-in-aid. ($639,000 May 2009-present Prorated: $191,700) [Grant]

13. Madan, Minakshi. EXPLORE study. *Dr. B Strauss: Abbott Vascular, Belgium*. Division of Cardiology Collaborative Initiative. ($12,000 Jan 2011-present Prorated: $8,000) [Grant]


25. Tu, Jack. CANadian NEtwork and Centre for Trials Internationally (CONNECTIN). Canadian Institutes of Health Research (CIHR). Operating Grant. ($9,582,529 Apr 2008-Mar 2013 Prorated: $1,916,506) [Grant]

26. Tu, Jack. CANadian NEtwork and Centre for Trials Internationally (CONNECTIN). Jack Tu, Therese Stukel, Peter Austin, David Alter, Harindra Wijeysundera: University of Toronto. Operating Grant-3 year term. ($6,000,000 Apr 2008-Mar 2013 Prorated: $1,200,000) [Grant]

27. Tu, Jack. Effects of immigration and acculturation on cardiovascular risk profiles of Ontario’s four major ethnic groups. Chiu, Maria: Heart and Stroke Foundation of Ontario. Operating Grant. ($50,000 Aug 2010-July 2012 Prorated: $25,000) [Grant]


31. **Wijeysundera, Harindra.** Assessing the Appropriateness of Coronary Revascularization for Patients with Coronary Artery Disease. Dennis T. Ko, *Canadian Institutes of Health Research (CIHR).* Canadian Foundation Innovation Infrastructure funds HHSC. ($455,118 Apr 2010-Mar 2013 Prorated: $151,706) [Grant]

32. **Wijeysundera, Harindra.** Closing the quality feedback loop: A web-based forum to improve the quality of care and outcomes of the Toronto Heart Attack Collaborative (THAC) Regional STEMI Program. Wijeysundera, Harindra; Fam, Neil; Overgaard Chris, *University of Toronto, Division of Cardiology.* ($60,000 July 2011-July 2013 Prorated: $3,373) [Grant]

33. **Wijeysundera, Harindra.** Closing the Quality Feedback Loop: A Web-Based Forum to Improve the Quality of Care and Outcomes of the Toronto Heart Attack Collaborative (THAC) Regional STEMI Program. *Sunnybrook Medical Services Alternative Funding Plan (AFP) Association.* $80,961 June 2012-May 2014 Prorated: $60,000 [Clinical Trial]

34. **Wijeysundera, Harindra.** Heart Failure (Multi-Disciplinary Community Care) Clinics Field Evaluation. Murray Krahm: *Ministry of Health and Long Term Care of Ontario.* ($240,449 July 2010-June 2012 Prorated: $120,225) [Clinical Trial]

35. **Wijeysundera, Harindra.** Measuring and improving the quality of ambulatory care for people with cardiovascular risk factors and/or chronic cardiovascular diseases. Jack Tu, *Canadian Institutes of Health Research (CIHR).* ($1,998,739 Dec 2011-Nov 2016 Prorated: $262,295)


### Non Peer Reviewed Funding


2. **Crystal, Eugene.** ELECTRA: Elective Cardioversion for prevention of symptomatic Atrial Fibrillation Occurrence. *Sanofi.* ($1,000 July 2011-June 2012) [Clinical Trial]

3. **Crystal, Eugene.** FLeCX: Fidelis Lead Canadian X-Ray Study. *University de Laval.* ($2,500 July 2011-June 2012) [Clinical Trial]

4. **Crystal, Eugene.** IRASE- AF: Irrigated Albasation System Evaluation for Atrial Fibrillation. Andre D’Avila, Young Hoon Kim, Michael Mangrum, Gregory Michaud, Arash Aryana, David Callans: *St Jude Medical.* (July 2011-June 2012) [Clinical Trial]

5. **Crystal, Eugene.** OPTIMISE: Optimal Programming to Improve Mechanical Indices, Symptoms and Excerise in Cardiac Resynchronization Therapy. *St Jude Medical.* (July 2011-June 2012) [Clinical Trial]

6. **Crystal, Eugene.** OPTIMISE: Optimal Programming to Improve Mechanical Indices, Symptoms and Excerise in Cardiac Resynchronization Therapy. *St Jude Medical.* (July 2011-June 2012) [Clinical Trial]


8. **Crystal, Eugene.** Aid for determination of medical device position and orientation from a single two-dimensional image. *Mars Innovations.* ($50,000 Sept 2011-Aug 2012 Prorated: $41,667) [Clinical Trial]

9. **Crystal, Eugene.** Novel Catheter Tracking System. *MARS Innovations.* ($150,000 May 2010-Dec 2011 Prorated: $45,000) [Clinical Trial]

10. **Crystal, Eugene.** Atrial Fibrillation Fish Oil Reserarch Study. *Canadian Institutes of Health Research (CIHR).* (July 2009-present) [Clinical Trial]

12. Ko, Dennis. Socioeconomic status, quality of primary care, and survival following acute myocardial infarction: A ten-year follow-up of the Socio-Economic Status and Acute Myocardial Infarction Study. Alter, David: Canadian Institutes of Health Research (CIHR). ($120,000 Apr 2012-Sept 2014 Prorated: $12,000) [Industrial Grant]


14. Lashevsky, Ilan. Identifying Genetic Determinants of Human Circadian Rhythms and Determining their Impact on the Triggering of Stroke and Life-Threatening Cardiac Arrhythmia. Andrew S. Lim, Dr. Dorian, Dr. Nanthakumar, Dr. Lashevsky, Dr. Kennedy, Dr. Buchman, Dr. De Jager, Dr. Sole, Dr. Bjarnason (July 2011-June 2012)

15. Lashevsky, Ilan. Prolonged Monitoring to Detect Ventricular Arrhythmias in Presymptomatic ARVC Patients - the PREPARE study. Krahn Andrew: St. Jude Medical Clinical Studies (Sept 2010-Sept 2016) [Clinical Trial]

16. Madan, Minakshi. dal-OUTCOMES study. Dr. Shaheeda Ahmed: Hoffmann-la Roche Inc, USA. ($49,200 May 2009-June 2013 Prorated: $11,808) [Clinical Trial]

17. Madan, Minakshi. CAIN-003 study. Dr. Eric Cohen: Canadian Institutes of Health Research (CIHR). ($44,595 Jan 2011-present Prorated: $25,483) [Clinical Trial]

18. Madan, Minakshi. COAPT study: Canadian Observational Antiplatelet study. Cohen, Eric: Eli Lilly Canada Inc. ($22,570-prior Prorated: $22,570) [Clinical Trial]

19. Pang, Jeffrey. OAT, TOSCA-2, OAT-NUC: Occluded Artery Trial. NIH/’MRC. ($64,400 Dec 1998-June 2012 Prorated: $4,741) [Clinical Trial]

20. Pang, Jeffrey. Protection-AMI. Cohen, Eric: KAI/CHRC. (2009-present) [Clinical Trial]

Publications

Peer Reviewed Publications


14. D MacFadden, MD; E Crystal, MD; AD Krahn, MD; I Mangat, MD; JS Healey, MD, MSc; P Dorian, MD; D Birnie, MBChB; CS Simpson, MD; Y Khaykin, MD; A Pinter, MD; K Nanthakumar, MD; AJ Calzavara, MSc; PC Austin, PhD; JY Tu, MD, PhD; DS Lee, MD, PhD. Sex differences in implantable cardioverter defibrillator outcomes: findings from a prospective defibrillator database. JAMA 2011 Nov 20.


Honours and Awards

National

Distinctions and Research Awards

Received


2. Tu, Jack. 2010 CSIM Dr. David Sackett Senior Investigator Award, Canadian Society of Internal Medicine, Toronto, Ontario, Canada. (Research Award). October 2010 – September 2011. To recognize excellence in research by a senior Canadian general internist. The award is intended to increase awareness of high quality research by general internists in Canada and to foster such research. Total Amount: $2,500.00 CAD.

3. Wijeysundera, Harindra. Fellowship Award, Canadian Institute for Health Research (CIHR), Institute of Health Services and Policy Research, Canada. (Research Award) 2007-2011. $50,000/yr for 4 years, Supervisor: M. Krahn. Total Amount: $200,000.00 CAD.

4. Wijeysundera, Harindra. 2011 CCS Young Investigator Award - Clinical Science Category, Canadian Cardiovascular Society, Canada. (Research Award, Specialty: Cardiology). July 2011 – July 2012. Total Amount: $1,000.00 CAD.
**Provincial**

**Distinctions and Research Awards**

**Received**

1. **Ko, Dennis.** S. C. Verma Young Investigator Award, Heart and Stroke Foundation of Canada, Ontario, Canada. (Research Award). April 2012. *Prize recognizes exceptional achievement in the cardiovascular sciences by Junior faculty members at the University of Toronto. Total Amount: $1,500.00 CAD.*

**Local**

**Distinctions and Research Awards**

**Received**

1. **Ahmed, Shaheeda.** Division of Cardiology Collaborative Initiative Award, University Joint Collaboration with Dr. J. Edwards (SMH) and Dr. G. Nesbitt (Mount Sinai), Dept of Medicine, Faculty of Medicine, University of Toronto, Ontario, Canada. (Innovation, Specialty: Cardiology). November, 2011 – present. *Awarded for the development of an online echo-case based teaching tool for the Cardiology Trainees.*
## DIVISION OF DERMATOLOGY

Number of Faculty: 3

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Grants, Contracts and Clinical Trials

**Peer Reviewed Funding**

**Division Member is Principal Investigator**

1. **Shear, Neil.** Whole exome mutation screening in patients with drug-induced Stevens-Johnson Syndrome or Toxic Epidermal Necrolysis. Dr. George S. Williamson Research Grant (CDF), Sunnybrook Research Institute ($15,000 2011-2012 Prorated: $7,500) [Grant]

**Other Peer Reviewed Funding**

1. **Shear, Neil.** Dr. Jennifer M. Salsberg - The impact of skin camouflage on the quality of life of children with skin disease and their parents. The Hospital for Sick Children. CDF Research Grant. ($5,000 2011-2012 Prorated $2,500) [Grant]

**Non Peer Reviewed Funding**


Publications

**Peer Reviewed Publications**

**Journal Articles**


Honours and Awards

International

Distinctions and Research Awards

Received

1. Shear, Neil. Visiting Professor, Dubai Health Authority, University of Louisville Dermatology, United States. 2011.

2. Shear, Neil. Visiting Professor, Dubai Health Authority, St. John’s Institute (King’s University), United Kingdom. 2012.

3. Shear, Neil. Visiting Professor, Dubai Health Authority, University of Nottingham, United Kingdom. 2012.

4. Shear, Neil. Visiting Professor, Dubai Health Authority, The University of Manchester, United Kingdom. 2012.

5. Shear, Neil. Visiting Professor, Dubai Health Authority, Cardiff University, Canada. 2012.

6. Shear, Neil. 28th Stiefel Visiting Professor, Dubai Health Authority, Royal Society of Medicine, London UK, United Kingdom. 2012.

Teaching Awards

Received

1. Shear, Neil. The William ”Joe” B. Moores Lecture, Dermatology, Dept of Medicine, Faculty of Medicine, Indiana Academy of Dermatology and the Indiana University School of Medicine. (Postgraduate MD, Core Program). 2011.

National

Distinctions and Research Awards

Received

1. Shear, Neil. Dr. David Hawkins Lectureship, Department of Medicine, Memorial University, St. John’s NL, Canada. 2012.

Provincial / Regional

Distinctions and Research Awards

Received


# DIVISION OF ENDOCRINOLOGY AND METABOLISM

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Grants, Contracts and Clinical Trials

Peer Reviewed Funding

Division Member is Principal Investigator


Other Peer Reviewed Funding

5. Lowe, Julia. The effect of a low glycemic index (GI) diet on maternal glycemic control and maternal and neonatal markers of postpartum diabetes risk in women with gestational hyperglycemia. Wolfever, Thomas, Barre, Ed; Darling, Pauline; Lowe, Julia: El-Sohemy Ahmed; Feig Denice; Josse Robert; Luthra, Meera; O’Connor Deborah; Ray, Joel, Thorpe, Kevin: ($229,876 July 2012-June 2014 Prorated: $76,625)


Publications

Peer Reviewed Publications


Honours and Awards

National

Distinctions and Research Awards Received


Teaching Awards Received

1. Gilbert, Jeremy David. The 2011 George From Postgraduate Endocrinology Teaching Award, Division of Endocrinology, Department of Medicine, University of Toronto. (Postgraduate MD). September 2011. For outstanding teaching by Faculty Member in Endocrinology at University of Toronto who excels in teaching and CANMED roles.
## DIVISION OF GASTROENTEROLOGY

Number of Faculty: 6

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**Grants, Contracts and Clinical Trials**

### Peer Reviewed Funding

**Division Member is Principal Investigator**

1. **Cooper, Mary Anne.** Developing Quantitative Tools to Evaluate Endoscopic Performance Using a High Fidelity Simulator. *Dr. Mary Anne Cooper, Dr. Heather Carnahan, Dr. Samir Grover, Dr. Jill Tinmouth, Dr. Elaine Yong: University of Toronto, Division of Gastroenterology.* (2010-present) [Grant]

2. **Tinmouth, Jill.** Improving the quality of colonoscopy: Development and pilot testing of an endoscopist audit and feedback tool derived from health administrative data. *Canadian Cancer Society Research Institute.* ($186,758 Feb 2011-Jan 2013 Prorated: $93,379) [Grant]

### Other Peer Reviewed Funding

1. **Cohen, Lawrence B.** Polyp Prevention Study and Extension Studies. *Saibil, Fred: NCI (USA).* ($377,435 July 1995-present) [Clinical Trial]

2. **Cooper, Mary Anne.** Biomarkers for Assessment Of Liver Fibrosis. *Ms. Tammie Taylor, MLT, Dr.Lei Fu Dr. David Cole: Sunnybrook Practice Based Research (PBR).* ($9,526 Apr 2007-present Prorated: $1,786) [Grant]

3. **Saibil, Fred.** GEM project: A multidisciplinary Human Study of the Genetic, Environmental and Microbial Interactions that Cause Inflammatory Bowel Disease. *Croituru, Ken: Canadian Institutes of Health Research (CIHR).* ($40,000 Mar 2010-present Prorated: $16,296) [Grant]

4. **Saibil, Fred.** Polyp prevention trial extension studies (DNA methylation; thromboxane B2, others). *Dr. L. Cohen: NCI (USA).* ($24,494 1995-present Prorated: $1,289) [Grant]


6. **Tinmouth, Jill.** Identifying barriers to participation in colorectal cancer screening. *Nancy Baxter: Canadian Cancer Society Research Institute.* ($204,847 July 2011-June 2013 Prorated: $102,424) [Grant]


### Non Peer Reviewed Funding

1. **Cohen, Lawrence B.** Change in Adipocytokines profiles in obese patients treated with intragastric balloon therapy. Private Donation. ($125,000 June 2012-present Prorated: $41,667) [Donation]

2. **Cohen, Lawrence B.** ICE Trials The Efficacy of Open Label Infliximab for the induction and maintenance of Mucosal Healing in small bowel Crohn’s Disease assessed through wireless capsule endoscopy. Merck, Canada. (Apr 2011-present) [Industrial Grant]

3. **Cohen, Lawrence B.** PYRAMID (Humira Registry Project). *Saibil, Fred: Abbott Laboratories.* ($19,206 July 2008-present) [Industrial Grant]

4. **Cohen, Lawrence B.** PURSUIT Trial (Induction Phase). *Saibil, Fred: Centocor Inc.* ($23,782 Apr 2008-present) [Industrial Grant]

5. **Cohen, Lawrence B.** PERSUIT Trial (Maintenance Phase). *Saibil, Fred: Centocor Inc.* ($38,528 Apr 2008-present) [Industrial Grant]


7. **Saibil, Fred.** PURSUIT trial: Golimumab for active ulcerative colitis. Induction study. *Dr. L. Cohen: Centocor.* ($10,269 2008-present) [Grant]

8. **Saibil, Fred.** PURSUIT trial: Golimumab for active ulcerative colitis. Maintenance study. *Dr. L. Cohen: Centocor.* ($2,538 2008-present) [Grant]


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**Publications**

**Peer Reviewed Publications**


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**Honours and Awards**

**National**

**Distinctions and Research Awards**

Received

1. **Saibil, Fred.** CCFC Finkelstein Prize for 2011, Crohn’s and Colitis Foundation of Canada, Canada. (Distinction). 2011.

**Local**

**Teaching Awards**

Received

1. **Bernstein, Michael.** SHSC Department of Medicine Young Teacher Award for 2011, Dept of Medicine, Faculty of Medicine, Sunnybrook Hospital Department of Medicine. (Multilevel Education), September 2011.
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Grants, Contracts and Clinical Trials

**Peer Reviewed Funding**

**Division Member is Principal Investigator**


2. **Fowler, Robert.** Pregnant women: who is at risk and is the H1N1 flu vaccine safe for the baby? **Canadian Institutes of Health Research (CIHR).** ($99,208 2009-2011 Prorated: $33,069) [Grant]

3. **Fowler, Robert.** Influenza-and H1N1-Related Critical Illness - Demand and Capacity in the Health Care System: the Canadian ICU-Flu Study. **Redelmeier, Don,** Shadowitz S, Etchells E: *Public Health Agency of Canada (PHAC).* ($90,000 2009-2011 Prorated: $30,000) [Grant]

4. **Fowler, Robert.** Planning meeting for the PREEDICCT study. **Redelmeier, Donald,** Laskin C, Librach C, Udell J: *Canadian Institutes of Health Research (CIHR).* ($97,307 2011-2012 Prorated: $32,436) [Grant]


7. **Shojania, Kaveh G.** Informing the decision to participate in a clinical trial: Can decision aids improve the quality of trial participation decisions? **David Juurlink:** Canadian Institutes of Health Research (CIHR). ($1,379,400 Feb 2008-2011 Prorated: $229,900) [Grant]

8. **Stroud, Lynfa.** Towards contextualized performance assessments: The importance and influence of environmental factors on evaluation. **Fowler, Robert:** *Royal College of Physicians and Surgeons of Canada.* Medical Education Research Grant. ($400,000 July 2010-Dec 2012 Prorated: $66,667) [Grant]

9. **Wong, Brian.** Characterizing facilitators and barriers in order to promote the successful implementation of a quality improvement and patient safety curriculum for postgraduate trainees and medical students. M. Mamdani: *University of Toronto.* Education Development Fund for Innovation in Education. ($1,750,000 Aug 2010-July 2011 Prorated: $218,750) [Grant]

10. **Wong, Brian.** A Virtual Ward to Reduce Re-admissions After Hospital Discharge. **Alternate Funding Plan.** Innovation Fund (Multi-site request). ($230,563 Jan 2010-Dec 2012 Prorated: $28,820) [Grant]

11. **Wong, Brian.** Development and Evaluation of a Clinical Messaging System for Interprofessional Team-Based Care in the Outpatient Setting. **Kuper, Ayelet,** Mathieu Albert, Brian David Hodges: Department of Medicine and Department of Family and Community Medicine. BRIDGES (Building Bridges to Integrate Care). ($111,138 Jan 2012-Mar 2013 Prorated: $20,838) [Grant]

**Other Peer Reviewed Funding**


4. **Fowler, Robert.** Influenza-and H1N1-Related Critical Illness - Demand and Capacity in the Health Care System: the Canadian ICU-Flu Study. **Redelmeier, Don and Scales, Damon,** Markel F: *Canadian Institutes of Health Research (CIHR).* ($90,000 2009-2011 Prorated: $30,000) [Grant]


20. Redelmeier, Donald. Clinical Scientist Award for Nick Daneman. Fowler, Robert; Jouvet, Philippe: Canadian Institutes of Health Research (CIHR). ($599,673 July 2009-June 2012 Prorated: $95,948) [Grant]
21. Redelmeier, Donald. A New Model for General Internal Medicine Teaching Units. *Dhalla, Irfan* (overall study PI), Rajin Mehta (Sunnybrook Lead), Chaim Bell, Wee-Shian Chan, Steven Hwang, Ophry Mourad, *Steven Shadowitz, Brian Wong: Alternative Funding Plan*. Innovation Fund. ($91,800 2011-2013 Prorated: $30,600) [Grant]


24. Redelmeier, Donald. General Reproductive Assistance and Vascular Illness Downstream. *Caderette, Suzanne: Canadian Institutes of Health Research (CIHR)*. ($63,899 July 2010-June 2013 Prorated: $15,975) [Grant]

25. Redelmeier, Donald. Resuscitation Outcomes Consortium (ROC) Regional Clinical Centre - Toronto Regional Coordinating Centre. *Morrison, Laurie: Canadian Institutes of Health Research (CIHR)*. Institute of Circulatory and Respiratory Health. ($1,002,000 Dec 2009-Nov 2015 Prorated: $167,000) [Grant]


### Non Peer Reviewed Funding


### Publications

#### Peer Reviewed Publications


15. Hodges BD, Kuper A. Theory and Practice in the Design and Conduct of Graduate Medical Education. Acad Med 87 (1): 25-33, January 2012 (Contribution: wrote portions of the manuscript, revised the manuscript).


30. Stroud L, Herold J, Tomlinson G, Cavalcanti RB. Who you know or what you know? Effect of examiner familiarity with residents on OSCE scores. Academic Medicine. 2011 Oct;86:S8-S11. (Contribution: conceived study idea, developed methodology, wrote REB application, provided the forum for the study to be conducted - OSCE exam, co-wrote first draft of manuscript, revised manuscript).


Abstracts


Honours and Awards

International

Distinctions and Research Awards
Received


National

Distinctions and Research Awards
Received

1. Wong, Brian. Certificate of Merit Award, Canadian Association of Medical Education, Canada. (Distinction). 2012. To promote, recognize and reward faculty committed to medical education in Canadian medical schools.
2. Kuper, Ayelet. New Investigator Award, Canadian Society of Internal Medicine, Halifax, Nova Scotia, Canada. (Research Award). October 2011. “An annual New Investigator Award (formerly called the Young Investigator Award) is offered by the Canadian Society of Internal Medicine in recognition of excellence in the field of internal medicine research by a new investigator.” Total Amount: $2,500.00 CAD.

Local

Distinctions and Research Awards
Received


Teaching Awards
Received

1. Etchells, Edward. Colin Woolf Award, Faculty of Medicine, University of Toronto Faculty of Medicine. (Continuing Education). May 2012. For course design in continuing education (certificate in quality and patient safety). Total Amount: $1,000.00 CAD.
2. Stroud, Lynfa. Sunnybrook HSC Department of Medicine Pre-Clerkship Teaching Award 2010 - 2011, Dept of Medicine, Faculty of Medicine, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada. (Undergraduate MD, Pre-Clerkship). 2011.

Unspecified Scope

Distinctions and Research Awards
Received

1. Fowler, Robert. William Goldie Prize and Travel Award, Dept of Medicine, Faculty of Medicine, University of Toronto. 2011. member of the Department who has made a contribution of notable merit to the advancement of sound knowledge in Internal Medicine through research.
2. Fowler, Robert. Sunnybrook Hospital Department of Medicine Leadership Award, Dept of Medicine, Faculty of Medicine, University of Toronto. (Leadership). 2011.
4. Shojania, Kaveh G. Canada Research Chairs Program Award, Principal Investigator, Faculty of Medicine, Sunnybrook Health Science Centre/University of Toronto. (Research Award). 2008 – 2013. Tier 2 CRC Patient Safety and Quality Improvement (Successfully re-applied for Tier 2 CRC after moving to University of Toronto). Total Amount: $500,000.00
**DIVISION OF GERIATRIC MEDICINE**

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**Grants, Contracts and Clinical Trials**

### Peer Reviewed Funding

**Division Member is Principal Investigator**

1. **Norris, Mireille.** Hospitalized Older Person Educational curriculum: Enhancing practice and patient safety. Linda Anderson: Education Development fund. ($17,276 June 2007-present Prorated: $3,239) [Grant]

2. **Mehta, Rajin.** Sunnybrook Health Sciences Centre, Proactive Geriatric Trauma Consultation Service: An innovative model of care to improve quality of care. AFP Innovation Funded. $94 000 Jul 2011- Jul 2012


### Other Peer Reviewed Funding


2. **Liu, Barbara A.** Quality and safety for older people in Canadian hospitals: creating a national Collaboration. **Liu, Barbara**, Angela Juby, Belinda Parke: Canadian Institutes of Health Research (CIHR). Meetings, planning and dissemination grants. $25,000 July 2011-June 2012 Prorated: $25,000) [Planning Grant]


### Non Peer Reviewed Funding


### Publications

#### Peer Reviewed Publications

**Journal Articles**


## DIVISION OF INFECTIONOUS DISEASES

Number of Faculty: 3

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### Grants, Contracts and Clinical Trials

#### Peer Reviewed Funding

**Division Member is Principal Investigator**


Other Peer Reviewed Funding


5. Rachlis, Anita Rochelle. A randomized controlled clinical trial of micronutrient and anti-oxidant supplementation in persons with untreated HIV infection (MAINTAIN) (CTN 238) W. Cameron: CTN. (2009-present) [Clinical Trial]

6. Rachlis, Anita Rochelle. A study of an HPV VLP vaccine in a cohort of HIV positive girls and women. Dr. Deborah Money: Canadian Institutes of Health Research (CIHR). ($1,389,045 2008-2013 Prorated: $231,508) [Grant]

7. Rachlis, Anita Rochelle. Angiogenesis and adverse pregnancy outcomes in women with HIV. Serghides, Lena: OHTN. (2011-present) [Grant]

8. Rachlis, Anita Rochelle. Canadian HIV women and reproductive health cohort study; a Canadian Observational Cohort (CANOC) affiliated study. Loutfy, Mona, Alexandra de Pokomandy, Robert Hogg, Angela Kaida: Canadian Institutes of Health Research (CIHR). ($1,192,492 2011-2016 Prorated: $198,749) [Grant]

9. Rachlis, Anita Rochelle. CIHR Centre for Neuro-AIDS Research (LOI) Team Grant: HIV comorbidity funding opportunity. Rouke, S., Letendre, S., Bendayan, R., Gill, M.J.: Canadian Institute for Health Research ($10,000 2012 Prorated: $5,000) [Clinical Trial]


13. Rachlis, Anita Rochelle. Impact of HIV infection and antiretroviral therapy on Mucosal and systemic memory CD4 T cells. J.P. Routy: Canadian Institutes of Health Research (CIHR). ($750,000 2010-2015 Prorated: $125,000) [Clinical Trial]

14. Rachlis, Anita Rochelle. Interdisciplinary HIV pregnancy research group: care and research to optimize HIV-positive women’s health during conception, pregnancy and motherhood. Loutfy, Mona; Serghides, Lena; Yudin, Mark: Canadian Institutes of Health Research (CIHR) ($900,000 2011-2014 Prorated: $225,000) [Clinical Trial]

15. Rachlis, Anita Rochelle. Involving people living with HIV/AIDS in training Medical students in HIV counselling and testing. Denise Janworsky: Canadian Institutes of Health Research (CIHR). ($299,920 2010-2013 Prorated: $74,980) [Clinical Trial]


17. Rachlis, Anita Rochelle. Predictive value of inflammatory biomarkers in untreated HIV disease progression and their response to initiation of antiretroviral therapy. Substudy of CTN-240, the VALIDATE Trial and CTN-238 the MAINTAIN Trial (CTN 254). Canadian Institutes of Health (CIHR). (2011-present) [Clinical Trial]

18. Rachlis, Anita Rochelle. Stemming the epidemic of liver-related morbidity and mortality in HIV-HCV co-infection: is ART enough? Marina Klein: Canadian Institutes of Health Research (CIHR). ($1,924,155 2010-2015 Prorated: $320,693) [Clinical Trial]


21. Simor, Andrew. Day 3 Reflections: Hospital Wide Stewardship of Broad Spectrum Antimicrobials. 2010 Innovation Fund. Provincial Academic Medicine Steering Committee ($100,000 2010-2011 Prorated: $25,000) [Grant]


**Non Peer Reviewed Funding**


2. Rachlis, Anita Rochelle. A phase 3 randomized, open label study to evaluate switching from regimens consisting of a ritonavir-boosted protease inhibitor and two nucleoside reverse transcriptase inhibitors to emtricitabine/rilpivirine/tenofovir disoproxil fumarate fixed dose combination in virologically suppressed, HIV 1 infected patients (GS-US-264-0106). Gilead Sciences. (2011-present) [Clinical Trial]


5. Rachlis, Anita Rochelle. A Phase 3, randomized, double-blind study to evaluate the safety and efficacy of GS-9350-boosed atazanavir vs ritonavir-boosted atazanavir each administered with emtricitabine/tenofovir disoproxil fumarate in HIV-1 infected, antiretroviral treatment naïve adults (GS-US-216-0114) (Cobicistat). Gilead Sciences. (July 2010-present) [Clinical Trial]

6. Rachlis, Anita Rochelle. A phase 3b randomized, open-label study to evaluate switching from regimens consisting of a non-nucleoside reverse transcriptase inhibitor (NNRTI) plus emtricitabine (FTC) and tenofovir DF (TDF) to the elvitegravir/ cobicistat/emtricitabine/tenofovir disoproxil fumarate single-tablet regimen (EVG/COBI/FTC/TDF) in virologically suppressed, HIV-1 infected patients (GS-US-236-0121). Gilead. (2012-present) [Clinical Trial]

7. Rachlis, Anita Rochelle. A phase 3b randomized, open-label study to evaluate switching from regimens consisting of a ritonavir-boosted protease inhibitor (PI/r) plus emtricitabine/tenofovir fixed-dose combination (FTC/TDF) to the elvitegravir/ cobicistat/emtricitabine/tenofovir disoproxil fumarate single-tablet regimen (EVG/COBI/FTC/TDF) in virologically suppressed, HIV-1 infected patients (GS-US-236-0115). Gilead. (2012-present) [Clinical Trial]


9. Rachlis, Anita Rochelle. A phase III study to demonstrate the antiviral activity and safety of dolutegravir in HIV-1-infected adult subjects with treatment failure on an integrase inhibitor containing regimen (VIKING-3). ViiV/GSK. (2011-present) [Clinical Trial]

10. Rachlis, Anita Rochelle. A phase III, randomized, double-blind study of the safety and efficacy of GSK1349572 50 mg once daily to raltegravir 400 mg twice daily both administered with an investigator-selected background regimen over 48 weeks in HIV-1 infected, integrase naïve, antiretroviral therapy-experienced adults (ING111762) (SAILING). GSK/ViiV. (2010-present) [Clinical Trial]
11. Rachlis, Anita Rochelle. A phase III, randomized, double-blind study of the safety and efficacy of GSK1349572 50 mg once daily to raltegravir 400 mg twice daily both administered with fixed-dose dual nucleoside reverse transcriptase inhibitor therapy over 96 weeks in HIV-1 infected antiretroviral therapy naïve adult subjects (ING113086) (SPRING) GSK/ViiV. (2010-present) [Clinical Trial]

12. Rachlis, Anita Rochelle. A phase III, randomized, double-blind study of TMC278 25 mg qd versus efavirenz 600 mg qd in combination with a fixed background regimen consisting of tenofovir disoproxil fumarate and emtricitabine in antiretroviral-naïve HIV-1 infected subjects (TMC278-C209). Tibotec. (2008-present) [Clinical Trial]

13. Rachlis, Anita Rochelle. A randomized, open-label, study of lopinavir/ritonavir 400/100mg tablet twice-daily + co-formulated emtricitabine/tenofovir disoproxil fumarate 200/300 mg once-daily versus lopinavir/ritonavir 400/100 mg tablet twice-faily + raltegravir 400 mg twice-daily in antiretroviral-naïve, HIV-1 infected subjects (M10-336). Abbott. (2008-2011) [Clinical Trial]

14. Rachlis, Anita Rochelle. An open-label trial with TMC278 25 mg OD in combination with a background regimen containing 2 nucleoside/nucleotide reverse transcriptase inhibitors in HIV-1 infected subjects who participated in TMC273 clinical trials (TMC278-TiDP6-C222). Janssen Pharmaceutica Inc. (2011-present) [Clinical Trial]

15. Rachlis, Anita Rochelle. Implementation of HLA-B5701 testing at SHSC. GSK. (2006-present) [Clinical Trial]


19. Simor, Andrew. Persistent MRSA Bacteremia in Toronto Hospitals - Pilot Study. Sunovion Pharmaceuticals Canada Inc. ($20,000 2011-2012 Prorated: $15,000) [Grant]

20. Simor, Andrew. Surveillance for and laboratory characterization of MRSA in Canadian hospitals. Public Health Agency of Canada (PHAC). ($10,000 2011-2012 Prorated: $5,000) [Grant]

Peer Reviewed Publications


Abstracts


3. Daneman N. Optimizing Duration of Antibiotic Therapy for Bloodstream Infection among Critically Ill Patients. CCCTG Winter Meeting 2012, Lake Louise, AB, Canada.


26. Williams V, Simor AE. The impact of changing from an enzyme immunoassay (EIA) to a polymerase chain reaction (PCR) method for detecting Clostridium difficile. 2012 Annual Conference, Association of Medical Microbiology and Infectious Diseases - Canada, Vancouver BC, May 3-5, 2012.


Letters to Editor

Honours and Awards

National

Distinctions and Research Awards

Received


2. **Daneman, Nick.** Clinician-Scientist Phase I, Canadian Institutes of Health Research. (Research Award). June 2009 – May 2012. Total Amount: $150,000.00 CAD.

3. **Daneman, Nick.** Clinician Scientist Salary Award (Phase 2), Canadian Institutes of Health Research, Toronto, Ontario, Canada. (Research Award) 2012 – July 2015. CIHR Clinician Scientist Salary Award. Total Amount: $300,000.00 CAD.


Provincial / Regional

Student / Trainee Awards

Received


Local

Student / Trainee Awards

Received


Unspecified Scope

Teaching Awards

Received

1. **Rachlis, Anita Rochelle.** W.T. Aikins Faculty Teaching Award, University of Toronto, Faculty of Medicine. (Undergraduate Education). 2012. Course/Program Development.
DIVISION OF MEDICAL ONCOLOGY AND HEMATOLOGY

Number of Faculty: 25

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Division Member is Principal Investigator


2. Buckstein, Rena. Myelodysplastic Syndromes (MDS) in Canada: A national prospective study of the epidemiology, quality of life and impact of co-morbidity/fraility on disease outcome. Rockwood, Kenneth; Alibhai, Shabbir; Gedded, Michelle; Kumar, Rajat; Leber, Brian; Leitch, Heather; Sabloff, Mitchell; Shamy, April. Wells, Richard.: Canadian Institute of Health Research (CIHR). ($100,000 July 2011 - June 2014 Prorated: $33,333) [Grant]


7. Emmenegger, Urban. Metronomic Chemotherapy in Castration-Resistant Prostate Cancer: Overcoming Treatment Resistance. Prostate Cancer Canada. ($300,000 July 2010-June 2012 Prorated: $150,000) [Grant]

8. Emmenegger, Urban. Overcoming Resistance to Systemic Prostate Cancer Therapy by Autophagy Modulation. Prostate Cancer Canada. Pilot Grant Program. ($120,000 July 2011-June 2013 Prorated: $60,000) [Grant]


10. Petrella, Teresa. A randomized phase II study of Interleukin 21 (IL-21) vs. Dacarbazine (DTIC) in patients with metastatic or recurrent melanoma. NCIC & ZymoGenetics. ($1,120,000 June 2010-June 2013 Prorated: $363,243) [Grant]

11. Petrella, Teresa (Canadian Principal Investigator). An open-label, multicenter, phase III trial of ABI-007 vs. Decarbazine in previously untreated patients with metastatic melanoma (CA033). Abaxis. ($86,000 Mar 2010-present Prorated: $33,290) [Grant]


13. Singh, Simron. Patterns of Care of Neuroendocrine Cancer in Ontario: Health services delivery to a population without guidelines. Dean’s Fund, University of Toronto. ($9,487 June 2008-July 2014 Prorated: $1,538) [Grant]


15. Singh, Simron. The association between the transfer of emergency department boarders to inpatient hallways and outcomes of oncology patients. Provincial Academic Medicine Steering Committee. ($56,925 Mar 2010-March 2012 Prorated: $20,493) [Grant]


Other Peer Reviewed Funding


6. **Buckstein, Rena.** Phase II trial of Azacitidine plus Deferasirox in higher risk Myelodysplastic Syndromes (MDS). *Prica, Anca,* Buckstein, Rena: *Canadian Institute of Health Research (CIHR).* CIHR Fellowship (Health Professionals). ($50,000 2012-2013 Prorated: $12,500) [Research Fellowship]


8. **Buckstein, Rena.** Two-year QOL and physical function in older and younger AML survivor. *Alibhai, Shabbir,* Buckstein, Rena: *The Leukemia and Lymphoma Society.* ($360,000 July 2011-June 2015 Prorated: $90,000) [Grant]


10. **Chan, Kelvin Kar-Wing.** Automation of hepatitis B testing prior to chemotherapy - a quality assurance project. *Feld, Jordan,* Zurawska U, Chan KK, Krahn M, Mackay H, Hicks L, Bell C.: Grant Miller Cancer Research. ($20,000 Sept 2010-Sept 2013 Prorated: $6,486) [Grant]

11. **Cheng, Susanna Yee-Shan.** A Phase III Study of the Impact of a Physical Activity Program on Disease-Free Survival in patients with High Risk Stage II or Stage III Colon Cancer: A Randomized Controlled Trial. (Apr 2011-present) [Clinical Trial]

12. **Cheng, Susanna Yee-Shan.** A Phase III Trial of Irinotecan/5-FU/ Leucovorin or Oxaliplatin/5-FU/Leucovorin with Bevacizumab, or Cetuximab (C225) for Patients with Untreated Metastatic Adenocarcinoma of the Colon or Rectum (CRC.5). (Mar 2010-present) [Clinical Trial]

13. **Cheng, Susanna Yee-Shan.** A Randomised Phase II study of Capecitabine or 5-Fluorouracil-based Regimen with or without Oxaliplatin as 2nd Line Treatment of Advanced or Metastatic Pancreatic Cancer in Patients who have Received Gemcitabine-based Chemotherapy. (Apr 2010-present) [Clinical Trial]

14. **Cheng, Susanna Yee-Shan.** A Randomized Phase III, Double-Blind, Placebo-Controlled, Multi-Centre Study to Evaluate the Efficacy and Safety of Everolimus (RAD001) in Adult Patient with Advanced Hepatocellular Carcinoma after Failure of Sorafenib Treatment - The EVOLVE-1 Study. (Aug 2010-present) [Clinical Trial]

15. **Cheng, Susanna Yee-Shan.** An open label, single-centre, Phase II study for radiosensitization of AVASTIN (Bevacizumab) with Sterotactic Body Radiotherapy(SBRT) for Colorectal Liver Metastasis. (Jan 2012-present) [Clinical Trial]

16. **Cheng, Susanna Yee-Shan.** An open-label, multicentre, Randomized Phase 2 Study Evaluating the Safety and Efficacy of 5-FU/FA and Oxaliplatin (Modified FOLFOX-6) in combination with IMC-1121B or IMC-18F1 or Without Investigational Therapy as Second-line Therapy in patients with metastatic colorectal cancer following disease progression on first-line irinotecan-based therapy. (July 2010-present) [Clinical Trial]

17. **Cheng, Susanna Yee-Shan.** ICGC Pancreas Xenograft Protocol. (Dec 2010-present) [Clinical Trial]
18. Cheng, Susanna Yee-Shan. Phase 2 Placebo-controlled Double-blind Trial of Dasatinib added to Gemcitabine for Subjects with Locally-advanced Pancreatic Cancer. (Nov 2011-present) [Clinical Trial]

19. Cheng, Susanna Yee-Shan. The Association Between the Transfer of Emergency Department Boarders to Inpatient Hallways and Outcomes of Oncology Patients. Dr. Cheung, Matthew. ($56,925 Dec 2009-present Prorated: $20,091) [Grant]

20. Cheung, Matthew. The Cancer Survivorship Ambulatory Clinic: A Multi-disciplinary, Inter-professional, and Virtual Follow-up Network for Cancer Survivors. Sunnybrook AFP Innovation Fund. ($100,000 July 2011-June 2012 Prorated: $100,000) [Grant]

21. Cheung, Matthew. The Cancer Survivorship Ambulatory Clinic: A Multi-disciplinary, Inter-professional, and Virtual Follow-up Network for Cancer Survivors. Innovation Fund Provincial Oversight Committee of Ministry of Health. ($100,000 July 2011-June 2012 Prorated: $100,000) [Grant]


24. Dent, Rebecca A. A Phase II Trial of RO4929097 for Advanced Metastatic or Recurrent Triple Negative Invasive Breast Carcinoma. Leight N: Princess Margaret Phase II Consortium Study. (2010-present) [Clinical Trial]

25. Dent, Rebecca A. Evaluating Quantitative Ultrasound Data from Patients Receiving Cancer Treatment. Czarnota GJ: Terry Fox Institute Research Team. ($318,309 July 2010-June 2013 Prorated: $106,103) [Grant]


29. Dent, Rebecca A. Steering Committee Member, Beatrice trial - An International Multi-Centred Phase III: Trial of Adjuvant Bevacizumab for the Treatment of Triple Negative Breast Cancer. Cameron D. 2007-present [Clinical Trial]


37. **Earle, Craig.** Randomized trial of an early palliative care team intervention for patients with metastatic cancer: effects on aggressiveness of care, quality of death and caregiver bereavement. *Zimmermann C, Leigh N; Mittmann N, Hales S; Lo C; Rydall A; Donner A; Earle C; Tannock I: Canadian Cancer Society Research Institute.* Operating. ($660,568 July 2011-June 2014 Prorated: $220,189) [Grant]


44. **Ko, Yoo-Joung.** A Phase lb/2 study evaluating IPI-926 in combination with gemcitabine in patients with metastatic pancreatic cancer. *Infinity Pharmaceuticals.* (Jan 2011-Feb 2012) [Clinical Trial]

45. **Ko, Yoo-Joung.** A study of AGS-1C4D4 given in combination with gemcitabine in study with metastatic pancreatic cancer. *Agenys.* (Nov 2009-present) [Clinical Trial]

46. **Ko, Yoo-Joung.** K-ras and B-raf status in paired metastatic colorectal carcinoma samples. *Derek Jonker, Yoo-Joung Ko,* Jean Maroun, Tim Asmis, Horia Marginean, Nirit Yarom, Rebecca Auer, Calvin Law, Corwyn Rowsell, Lijing Zhang, Suzanne Kamel-Reid: *Amgen Canada Inc (Mississauga, ON)* (investigator initiated). ($130,960 Dec 2009-present Prorated: $46,221) [Grant]

47. **Ko, Yoo-Joung.** Phase 2 placebo-controlled double-blind trial of dasatinib added to gemcitabine for subjects with locally-advanced pancreatic cancer. *Otsuka Pharmaceuticals.* (Jan 2012-present)

48. **Ko, Yoo-Joung.** Phase III Randomized Study of Cetuximab with Versus Without Brivinab Alaninate in Patients with Metastatic Colorectal Carcinoma Previously Treated With Combination Chemotherapy. *Siu, Lillian: National Cancer Institute of Canada (NCIC).* (Dec 2009-Jan 2012) [Clinical Trial]

49. **Ko, Yoo-Joung.** Radiosensitization with Bevacizumab for Stereotactic Body Radiotherapy (SBRT) for Colorectal Liver Metastasis. *Ko, Yoo-Joung, Chung, Hans (Co-PI): Hoffmann-La Roche Limited, Canada.* ($63,830 Dec 2010-2012 Prorated: $29,460) [Industrial Grant]

50. **Ko, Yoo-Joung.** The role of single nucleotide polymorphisms of iron regulatory genes in chronic kidney disease and cancer treatment induced anemia susceptibility and response to therapy. *DeAngelis, Carlo,* Battistella Marisa, Hladenuwich Michelle: *McLaughlin Centre University of Toronto.* Accelerator Grant in Genomic Medicine. ($175,142 Apr 2012-Apr 2014 Prorated: $21,017) [Grant]


52. **Petrella, Teresa.** X chromosome genes as potential prognostic biomarkers and therapeutic targets, building on the observation that women with melanoma have a better prognosis than men. Spatz A, Petrella T, van den Oord J, Van Kempen L, Bastian B (Team Grant): *Melanoma Research Alliance.* ($1,050,000 July 2011-2014 Prorated: $300,000) [Grant]

54. **Pritchard, Kathleen.** A pilot study of BOLD MRI and FLT-PET in patients with locally advanced breast cancer undergoing neoadjuvant therapy. *Dr. Levine, M.* Dr. Mukherhee, S., Dr Valiant, J., Dr. Guliencyn, K., Dr. Noseworthy M., Dr. Bane, A.: *Ontario Institute for Cancer Research.* ($544,400 2010-2012 Prorated: $181,467) [Grant]


56. **Pritchard, Kathleen.** Expanding MA.32 – an NCIC CTG led, NABCG endorsed phase III randomized trial of metformin versus placebo on recurrence and survival in early breast cancer – beyond North America. *Piccart, Martine,* Co-investigator with Dr. Martine Piccart (PI) and Drs. W Parulekar, P Goodwin, A Thompson, J Bliss, J Vazquez, L Shepherd, K Gelmon, T Whelan, C Elliott, C Straehle: *Komen for the Cure.* $(3,000,000 USD July 2011-July 2013 Prorated: $1,440,000) [Grant]


61. **Singh, Simron.** A randomized, double-blind, multicenter, Phase III study of everolimus (RAD001) plus best supportive care versus placebo plus best supportive care in the treatment of patients with advanced NET of GI or lung origin (RADIAN-T-4). *Novartis.* (Dec 2011-present) [Clinical Trials Steering Committee]

62. **Singh, Simron.** Patient Identification and Tracking in the Odette Cancer Centre: Full implementation of a real-time, passive RFID-based system to improve the process and quality of cancer care. *Dr. Matthew Cheung, Innovation Fund Provincial Oversight Committee of Ministry of Health and AFR* $(98,920 Mar 2012- present Prorated: $98,920) [Grant]

63. **Singh, Simron.** The Cancer Survivorship Ambulatory Clinic: A Multi-disciplinary, Inter-professional, and Virtual Follow-Up Network for Cancer Survivors. *Innovation Fund Provincial Oversight Committee of Ministry of Health.* $(100,000 July 2011-June 2012 Prorated: $100,000) [Grant]

64. **Singh, Simron.** The Cancer Survivorship Ambulatory Clinic: A Multi-disciplinary, Inter-professional, and Virtual Follow-Up Network for Cancer Survivors. Sunnybrook AFP Innovation Fund. $100,000 Nov 2011-Nov 2012 Prorated: $61,538 [Grant]

65. **Spaner, David.** AMP kinase in the pathogenesis and treatment of CLL. *Spaner, David: Leukemia and Lymphoma Society of Canada.* Operating grants competition. $(120,000 2011- June 2013 Prorated: $60,000) [Grant]


74. **Warner, Ellen.** Neurodevelopment of children exposed in utero to chemotherapy for maternal breast cancer. *Nulman, Irena, CBCF*. ($436,257 Mar 2010-Mar 2013 Prorated: $141,489) [Grant]

75. **Warner, Ellen.** Should all young women. *Dr. May Lynn Quan, Canadian Breast Cancer Foundation – Ontario Chapter*. ($287,575 July 2008-June 2012 Prorated: $71,894) [Grant]

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**Non Peer Reviewed Funding**

1. **Bjarnason, Georg Arnold.** A multicentre open-label randomized study of 5-Fluorouracil (5-FU) and leucovorin (LV) or Oxaliplatin or a combination of 5-FU/LV + Oxaliplatin as second-line treatment of metastatic colorectal cancer. *Sanofi Synthelabo*. (Aug 2000-present) [Grant]


3. **Buckstein, Rena.** Creation of prospective tissue bank and clinical database for MDS research program. *Celgene Canada*. ($150,000 2011- Prorated: $75,000) [Grant]

4. **Buckstein, Rena.** Revlimid and metronomic melphalan in the management of higher risk myelodysplasia (REMMYDYS). *Celgene Corporation*. ($131,555 Jan 2008-June 2012 Prorated: $29,234) [Grant]

5. **Cheung, Matthew.** The Cancer Survivorship Ambulatory Clinic: A Multi-disciplinary, Inter-professional, and Virtual Follow-up Network for Cancer Survivors. *Sunnybrook AFP Innovation Fund*. ($100,000 July 2011-June 2012) [Grant]

6. **Dent, Rebecca A.** A Phase II Trial of RO4929097 for Advanced Metastatic or Recurrent Triple Negative Invasive Breast Carcinoma. *Leigh N: Princess Margaret Phase II Consortium Study*. (2010-present) [Clinical Trial]


9. **Dent, Rebecca A.** Steering Committee Member, Beatrice trial - An International Multi-Centred Phase III: Trial of Adjuvant Bevacizumab for the Treatment of Triple Negative Breast Cancer. *Cameron D*. (2007-present) [Clinical Trial]

10. **Eisen, Andrea.** Cancer Prevention Program for Women at High Risk of Breast Cancer. *Sunnybrook Health Sciences Centre Foundation*. ($250,000 Dec 2011-Dec 2013 Prorated: $70,000) [Grant]

11. **Emmenegger, Urban.** Hypoxia: a Mediator of PSA Surge in Prostate Cancer Patients Undergoing Antiangiogenic Therapy? *University of Toronto Dean’s Fund*. ($10,000 Mar 2009-Feb 2014 Prorated: $2,000) [Grant]

13. **Ko, Yoo-Joung.** A multi-institutional phase II study of single agent Abraxane as second line therapy in patients with advanced transitional cell carcinoma of the urothelium. Srikala Sridhar (UHN), Eric Winquist (London), Christine Canil (Ottawa), Som Mukherjee (McMaster): *Abraxis Bioscience.* ($400,000 Oct 2007-present Prorated: $80,000) [Grant]

14. **Ko, Yoo-Joung.** A Phase Ib/2 study evaluating IPI-926 in combination with gemcitabine in patients with metastatic pancreatic cancer. *Infinity Pharmaceuticals.* (Jan 2011-Feb 2012) [Clinical Trial]

15. **Ko, Yoo-Joung.** A phase II study of maintenance therapy with temsirolimus in androgen-independent prostate cancer after first line therapy with docetaxel. Urban Emmenegger (Sunnybrook), Christopher Booth (Queens), Srikala Sridhar (UHN), Robert Kerbel (Sunnybrook), Scott Berry (Sunnybrook), Eric Winquist (London): *Wyeth Pharmaceuticals.* ($370,975 Dec 2007-present Prorated: $76,753) [Grant]

16. **Ko, Yoo-Joung.** A randomised phase III study of Capectibine or 5-fluourouracil-based regimen with or without oxaliplatin as 2nd line treatment of advanced or metastatic pancreatic cancer in patients who have received gemcitabine-based chemotherapy. Malcolm Moore; Sharlene Gill: *Sanofi Aventis.* ($50,000 May 2010-present Prorated: $20,690) [Clinical Trial]

17. **Ko, Yoo-Joung.** A study of AGS-1C4D4 given in combination with gemcitabine in study with metastatic pancreatic cancer. *Agenysys.* (Nov 2009-present) [Clinical Trial]

18. **Ko, Yoo-Joung.** K-ras and B-raf status in paired metastatic colorectal carcinoma samples. Derek Jonker, Yoo-Joung Ko, Jean Maroun, Tim Asnis, Horia Marginean,Nirit Yarom, Rebecca Auer, Calvin Law, Corwyn Rowseal, Liying Zhang, Suzanne Kamel-Reid: *Amgen Canada Inc (Mississauga, ON)* (investigator initiated). ($130,960 Dec 2009-present Prorated: $46,221) [Grant]

19. **Ko, Yoo-Joung.** Phase 2 placebo-controlled double-blind trial of dasatinib added to gemcitabine for subjects with locally-advanced pancreatic cancer. *Otsuka Pharmaceuticals.* (Jan 2012-present)

20. **Ko, Yoo-Joung.** Phase III Randomized Study of Cetuximab with Versus Without Brivanib Alaninate in Patients with Metastatic Colorectal Carcinoma Previously Treated With Combination Chemotherapy. *Siu, Lilian: National Cancer Institute of Canada (NCIC).* (Dec 2009-Jan 2012) [Clinical Trial]


22. **Petrella, Teresa.** An open-label, multicenter, phase III trial of ABI-007 vs. Decarbazine in previously untreated patients with metastatic melanoma (CA033). Petrella, Teresa: *Abraxis.* ($86,000 Mar 2010-present Prorated: $33,290) [Grant]

23. **Petrella, Teresa.** HMP II - Depression and Interferon substudy. *Merck.* 2008-present [Grant]

24. **Petrella, Teresa.** Pilot Study of Neo-adjuvant use of vemurafenib in patients with BRAF Mutant melanoma with palpable lymph node metastases. *Roche.* ($200,000 May 2012-present Prorated: $200,000) [Grant]

25. **Selby, Rita.** Dabigatran and lab monitoring in Ontario. *Boehringer-Ingelheim.* ($7,000 Apr 2012-June 2013 Prorated: $1,400) [Industrial Grant]

26. **Selby, Rita.** Resource Utilization associated with Oral Anticoagulant Management (ROAM) in Canada: a Multicentre, Prospective Study. With Dr. Nicole Mittmann: *Boehringer Ingelheim.* ($1,000,000 2008-2013 Prorated: $166,667) [Grant]

27. **Singh, Simron.** A randomized, double-blind, multicenter, Phase III study of everolimus (RAD001) plus best supportive care versus placebo plus best supportive care in the treatment of patients with advanced NET of GI or lung origin (RADIANT-4). *Novartis.* (Dec 2011-present) [Clinical Trials Steering Committee]


29. **Spaner, David.** Development of PPARalpha inhibitors for cancer therapy. *Inception Sciences.* Operating grant. ($265,000 Aug 2011-July 2012 Prorated: $242,917) [Industrial Grant]

30. **Spaner, David.** Improving the efficacy of Ofatumumab in CLL. *GlaxoSmithKline.* ($305,000 Mar 2011-Feb 2013 Prorated: $152,500) [Industrial Grant]

Publications

Peer Reviewed Publications

Journal Articles


63. Kinshuk K, Roswell C, Law C, Ko YJ. Coexistence of gastrointestinal stromal tumour and colorectal adenocarcinoma: Two case reports. J Gastrointest Oncol. 2011; 2:


Abstracts


Book Chapters


Editorials


Letters to Editor


Other


Honours and Awards

International

Distinctions and Research Awards

Received

2. Pritchard, Kathleen. 2011 Fellow of the American Society of Oncology, American Society of Clinical Oncology (ASCO). (Distinction, Specialty: Oncology). 2011. The Awards recognize the extraordinary dedication of ASCO members for their voluntary efforts that benefit the Society, the specialty of oncology, and, most importantly, the patients whom we serve. It is also meant to encourage more members to become inv.

National

Distinctions and Research Awards

Received

1. Emmenegger, Urban. Prostate Cancer Canada Clinician-Scientist Award, Prostate Cancer Canada, Canada. (Research Award). July 2010 – June 2012. Total Amount: $300,000.00 CAD.
Local

Distinctions and Research Awards

Received


2. Emmenegger, Urban. 2012 Research Summer Student Award, Sunnybrook Research Institute, Sunnybrook Health Sciences Centre. (Research Award). Student Name: Darren Yau. April 2012. Total Amount: $1,600.00 CAD.

Teaching Awards

Received

1. Cheng, Susanna Yee-Shan. 2011 Department of Medicine - Ambulatory Teaching Award, Dept of Medicine, Faculty of Medicine, Sunnybrook Health Sciences Centre / University of Toronto, Toronto, Ontario, Canada. (Multilevel Education). July 2011 – June 2012.

2. Ko, Yoo-Joung. Peters-Boyd Academy Teaching Award for MMMD Teaching, No Division, Dept of Medicine, Faculty of Medicine, Peters-Boyd Academy. (Undergraduate MD, Year 2). July 2011 – June 2012.

3. Trudeau, Maureen. 25 Year Service Award, Faculty of Medicine, University of Toronto. May 2012.

Unspecified Scope

Distinctions and Research Awards

Received


5. Verma, Sunil. Medical Oncology Training Program (MOTP) Division Day, Faculty of Medicine, University of Toronto. June 2012. 3rd Prize - Research Supervisor: Awarded to Raman Tatla for project titled “A Review of Phase III Clinical Trials in Metastatic Breast Cancer: Clinical Endpoints and Quality of Life”. Division of Medical Oncology Retreat.

6. Earle, Craig. Senior Investigator Award, Faculty of Medicine, Sunnybrook Health Sciences Centre. (Research Award). 2011.

7. Warner, Ellen. U of T Division of Medical Oncology Investigator Award, Faculty of Medicine, University of Toronto. (Research Award). June 2012.

Teaching Awards

Received

1. Verma, Sunil. Outstanding Teaching Award, Dept of Medicine, Faculty of Medicine, University of Toronto, Division of Medical Oncology. 2011.
# DIVISION OF NEPHROLOGY

Number of Faculty: 6

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# Grants, Contracts and Clinical Trials

## Peer Reviewed Funding

Division Member is Principal Investigator

1. **Tanna, Gemini.** The Nephrology CanMEDS OSCE: An innovative examination designed to assess physician competencies in non-medical expert roles. *Department of Medicine Education Innovation Fund*. ($5,850 June 2011-June 2012 Prorated: $5,400) [Grant]

## Other Peer Reviewed Funding

1. **Hladunewich, Michelle Adrienne.** Curcumin to Prevent Perioperative Complications after Elective Abdominal Aortic Anuerysm Repair. *Amit, Garg: Canadian Institutes for Health Research (CIHR)*. Randomized Controlled Trials Program. ($320,853 July 2011-June 2013 Prorated: $160,427) [Grant]

2. **Hladunewich, Michelle Adrienne.** Rare Diseases Consortium for Minimal Change Disease (MCD), Focal & Segmental Glomerulosclerosis (FSGS) and Membranous Glomerulosclerosis (MN) - NEPTUNE Study. *Kretzler, Matthias: The National Institutes of Health Office of Rare Diseases, The National Institutes of Diabetes, Digestive and Kidney Disease, NephCure Foundation and University of Michigan*. Rare Disease Clinical Research Consortia. ($10,500,000 USD July 2010-Aug 2015 Prorated: $2,032,258) [Grant]


5. **Hladunewich, Michelle Adrienne.** The Prevalence and Predictors of Albuminuria in Women with Polycystic Ovary Syndrome (PCOS). *Laredo, Sheila: Faculty of Medicine. Dean’s Fund*. ($10,000 July 2007-June 2012 Prorated: $2,000) [Grant]


7. **Hladunewich, Michelle Adrienne.** University of Toronto Hypertension in Pregnancy Program. *Gandhi, Shital and Ray, Joel: University of Toronto, Department of Medicine*. Strategic Planning Innovation Funds. ($57,823 July 2011-June 2012) [Grant]


## Non Peer Reviewed Funding

1. **Hladunewich, Michelle Adrienne.** A pilot study to determine the dose and effectiveness of H.P. Acthar® Gel (Acthar) in treatment-resistant subjects with persistent proteinuria and nephrotic syndrome due to idiopathic membranous nephropathy (iMN). *Fervenza, Fernando: QUESTCOR Pharmaceuticals*. ($780,000 USD July 2010-June 2012 Prorated: $390,000) [Clinical Trial]
2. Hladunewich, Michelle Adrienne. A Randomized Controlled Trial of Rituximab Versus Cyclosporin in the Treatment of Idiopathic Membranous Nephropathy (MENTOR) Study. Fer cerca, Fernando: Genentech Pharmaceuticals. ($6,000,000 USD Jan 2012-Dec 2016 Prorated: $600,000) [Clinical Trial]

3. Oliver, Matthew J. Comparison of data sources for identifying incident dialysis patients and their characteristics. Oliver, Matthew; Paterson, J Michael, Co-Investigators: Quinn RR, Garg AX, Jim SJ, Wald R: Ministry of Health and Long-term Care, Ontario, Canada. ($15,000 Apr 2011-Dec 2011 Prorated: $11,250) [Grant]

4. Oliver, Matthew J. Peritoneal dialysis catheter placement, use and technique failure in Ontario. Perl, Jeff; Oliver Matthew: MOHLTC/Ontario Renal Network. ($10,000 Apr 2012-Apr 2013 Prorated: $2,308) [Grant]

5. Tobe, Sheldon William. ENDURE Study. Tobe SW: Servier Canada Inc. ENDURE study. ($47,000 Jan 2010-Dec 2011 Prorated: $11,750) [Clinical Trial]


**Peer Reviewed Publications**

**Journal Articles**


Abstracts


Letters to Editor


Other


Honours and Awards

International

Distinctions and Research Awards

Received


National

Student / Trainee Awards

Received

1. Naimark, David. Top trainee abstract, Principle supervisor, Canadian Society of Nephrology, Newfoundland and Labrador, Canada. Specialty: Nephrology. (Awardee Name: Maneesh Sud). April 2012. Maneesh Sud’s abstract was selected as one of the top 8 of all submitted to the CSN Annual Scientific meeting in St. John’s NFLD, April 26-29, 2012. At the meeting his verbal presentation was awarded the top prize. Total Amount: $1,500.00 CAD.

Provincial/Regional

Distinctions and Research Awards

Received


Local

Student / Trainee Awards

Received

1. Naimark, David. 3rd place Gallie Bateman and McMurrich Resident Research Competition, Co-supervisor, Faculty of Medicine, University of Toronto, Department of Surgery, Ontario, Canada. Specialty: Urology. (Awardee Name: Nathan Perlis). May 2011 – May 2012. Award for a decision analysis: “Role of radical cystectomy and radiation therapy in T2 muscle-invasive bladder cancer: A decision analysis”. Total Amount: $500.00 CAD.

2. Naimark, David. First place, resident research competition, Principle supervisor, Faculty of Medicine, Sunnybrook Department of Medicine, Ontario, Canada. Specialty: Nephrology. (Awardee Name: Maneesh Sud). May 2012. A Competing Risk Model for Death & Progression to End-Stage Renal Disease (ESRD) Among the Sunnybrook Chronic Kidney Disease (CKD) Cohort.
Teaching Awards

Received

1. Tobe, Sheldon William. Continuing Education Teaching Award for 2011, Nephrology, Dept of Medicine, Faculty of Medicine, Sunnybrook Health Sciences Centre-Department of Medicine. September 2011. In recognition of National Leadership in Hypertension Education including prominent position with CHEP.

2. Tobe, Sheldon William. SEAC Education Beyond Sunnybrook, Nephrology, Dept of Medicine, Faculty of Medicine, Sunnybrook Education Action Committee. May 2012. In recognition of contribution made by educating Family Physicians about Hypertension management through the Canadian Hypertension Education Program TTT sessions.
## DIVISION OF NEUROLOGY

Number of Faculty: 11

### Grants

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### Publications

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### Honours and Awards

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Grants, Contracts and Clinical Trials

Peer Reviewed Funding

Division Member is Principal Investigator

1. **Black, Sandra E.** A Phase 2 Multicenter, Randomized, Double Blind, Placebo-Controlled Study of the Safety, Tolerability, and Pharmacokinetics of Multiple Doses of PF-04360365 in Patients with Mild to Moderate Alzheimer’s Disease. Pfizer Canada Inc. ($390,192 May 2009-Sept 2011 Prorated: $30,237) [Clinical Trial]


13. **Masellis, Mario.** Transforming Dementia Care in Ontario: Application of Genetic Testing to Treatment of Parkinson’s-Related Dementia’s. Ministry of Economic Development and Innovation (MEDI). ($150,000 May 2012-Apr 2017 Prorated: $5,000) [Grant]

15. Swartz, Richard H. Post-stroke triage ”DOC”: simple screening for Depression, Obstructive. Heart and Stroke Foundation of Ontario (The) (HSFO) – Grant in Aid. ($143,598 June 2012-July 2014 Prorated: $5,523) [Grant]


17. Zinman, Lorne H. Clinical Trial of Ceftriaxone in Subjects with Amyotrophic Lateral Sclerosis - Canadian Project Management. ALS Society of Canada. ($100,000 2009-2012 Prorated: $25,000) [Grant]


**Other Peer Reviewed Funding**


9. Black, Sandra E. Canadian Stroke Registry. Kapral M and Silver F (Project Leaders), Gladstone DJ (site PI) and Black SE (Co-I) at Sunnybrook. Canadian Stroke Registry: NCE Canadian Stroke Network. ($85,000 Apr 2001-Mar 2013 Prorated: $7,083) [Grant]


15. Black, Sandra E. Heart and Stroke Foundation Centre for Stroke Recovery. Sandra Black (Site Director, SHSC), Hakim AM (Site Director, University of Ottawa), Levine B (Site Director, Baycrest), Mearrow KM (Site Director, Memorial University). SHSC site principal investigators: McIlroy WE, Stefanovic B, Graham SJ, Gladstone DJ, Swartz RH, Mochizuki G, Macintosh BJ: HSFO, University of Ottawa, Baycrest Centre for Geriatric Care, Sunnybrook Health Sciences Centre. ($40,000,000 2002-2012 Prorated: $2,500,000) [Centre of Excellence Funding]


38. **Gladstone, David.** The CLOQS Trial: Countdown Lights to Optimize Quality in Acute Stroke. Swartz R, Gladstone DJ, Silver FL, Selchen D, Black SE, on behalf of the UofT Stroke Program: *Academic AFP Innovation Fund, Sunnybrook Health Sciences Centre*. ($84,500 2010-2012 Prorated: $28,167) [Grant]


40. **Gladstone, David.** The Spot Sign for Predicting and Treating ICH Growth Study (STOP-IT Study): A Phase II, randomized, multicentre, double-blind, placebo-controlled trial comparing rFVIIa to placebo for treatment of subjects with acute ICH and contrast extravasation (the spot sign) identified on CTA. Flaherty M and Jauch E: *National Institute of Neurological Disorders and Stroke (NINDS)*. ($1,791,105 2008-2013 Prorated: $298,518) [Grant]


42. **Gladstone, David.** The University of Toronto Stroke Innovation Project. Swartz R, Gladstone DJ, Silver FL, Selchen D, Black SE, on behalf of the UofT Stroke Program: Academic AFP Innovation Fund (St. Michael’s Hospital, University Health Network) and Sunnybrook Health Sciences Centre. ($300,000 2009-2011 Prorated: 50,000) [Grant]


44. **Hopyan, Julia Jasmine.** Canadian Atherosclerosis Imaging Network (CAIN). Black, Sandra, Moody, Alan; Spence, David; Tardif, Jean-Claude; Beanlands: *Canadian Institutes of Health Research (CIHR)*. (Apr 2008-Mar 2013) [Clinical Trial]

45. **Hopyan, Julia Jasmine.** Canadian Atherosclerosis Imaging Network Study. Moody, Alan; Black, Sandra: Leung, General; Milot, Laurent; Aviv, Richard: *Canadian Institutes of Health Research (CIHR)*. (Apr 2008-Mar 2013) [Grant]


49. **Hopyan, Julia Jasmine.** The Neurotrophic Effects of Lithium Carbonate Following Cerebrovascular Accidents: A Feasibility Study. Lanctot, Krista, Herrmann, N; Swartz, R; Black, Sandra; Leung, General; Milot, Laurent; Aviv, Richard: *Canadian Institutes of Health Research (CIHR)*. (Oct 2010-Oct 2013) [Grant]

50. **Hopyan, Julia Jasmine.** The Spot Sign for Predicting and Treating ICH Growth Study (STOP-IT Study). Flaherty M, and Jauch E: *National Institutes of Health (NIH) / National Institute of Neurological Disorders and Stroke (NINDS)*. (2008-2013) [Clinical Trial]

51. **Lim, Andrew.** Sleep Loss in Aging and Dementia. Saper, Clifford B: *Dana Foundation*. Clinical Neuroscience Research Grant Program. ($354,260 USD July 2009-June 2012 $118,087) [Grant]


55. Murray, Brian. STAR (Sleep Troubles and Relationship to perinatal outcomes). Stremler, Robyn, Donna Brown, Cindy-Lee Dennis, Ellen Hodnett, Kathryn Lee, Charles Morin, Brian Murray, Eleanor Pullenayegum, Clogdah Ryan, Rory Windrim: Canadian Institutes of Health Research (CIHR). ($198,952 July 2010-present Prorated: $88,423) [Grant]


64. Swartz, Richard H. Salary Support Award - Intracranial Vessel Wall Imaging with MRI : Improving Stroke Diagnosis and Treatment. Heart and Stroke Foundation of Canada (HSFC). Heart and Stroke Foundation of Canada Research Scholarship. ($100,000 Feb 2010-Feb 2012 Prorated: $32,000) [Salary Support Award]

65. Swartz, Richard H. Spot Sign” Selection of Intracerebral Hemorrhage to Guide Hemostatic Therapy (SPOTLIGHT): A Randomized Controlled Trial. Canadian Institutes of Health Research (CIHR) – National Award (operating grant). ($1,708,141 July 2010-June 2015 Prorated: $341,628) [Grant]

Non Peer Reviewed Funding

1. **Black, Sandra E.** A Dose Ranging, Randomized, Double-blind, Parallel-group Placebo-Controlled Multi-centre Study of RO5313534 Used as Add-on to Donepezil Treatment in Patients with Mild to Moderate Symptoms of Alzheimer’s Disease. **Hoffman-La Roche Ltd.** ($84,000 2009-2011 Prorated: $14,000) [Clinical Trial]

2. **Black, Sandra E.** A Phase 2 Multicenter, Randomized, Double Blind, Placebo-Controlled Study of the Safety, Tolerability, and Pharmacokinetics of Multiple Doses of PF-04360365 in Patients with Mild to Moderate Alzheimer’s Disease. **Pfizer Canada Inc.** ($390,192 May 2009-Sept 2011 Prorated: $30,237 [Clinical Trial]

3. **Black, Sandra E.** A Phase 3, Multicenter, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Efficacy and Safety Trial of Bapineuzumab (AAB-001, ELN115727) in Subjects with Mild to Moderate Alzheimer’s Disease who are Apolipoprotein E ε4 Non-carriers. Amount paid to SHSC in 2011-2012: $91,272, Amount paid to date: $127,852. **Wyeth Research (Pfizer).** ($563,688 2010-2016 Prorated: $80,527) [Clinical Trial]

4. **Black, Sandra E.** A Randomized, Double-Blind, Parallel-Group Placebo-Controlled Phase III Study to Evaluate the Efficacy and Safety of Desmoteplase in Subjects with Acute Ischemic Stroke (DIAS-4). **Gladstone, DJ: Lundbeck.** (2009-present) [Clinical Trial]

5. **Bui, Esther.** Cerebral Metabolic Changes in Thalamic Stimulation. **University of Toronto.** ($10,000 2009-present Prorated: $2500) [Grant]

6. **Bui, Esther.** The Epilepsy Monitoring Unit: Barriers to Access and Targets for Improved Epilepsy Care in Ontario. **University of Toronto.** ($15,000 2009-2011 Prorated: $2,500) [Grant]


8. **Gladstone, David.** Desmoteplase In Acute Ischemic Stroke (DIAS-4): A randomised, double-blind, parallel-group placebo-controlled phase III study to evaluate the efficacy and safety of desmoteplase in subjects with acute ischemic stroke. sponsor: **Lundbeck A/S.** (2009-present) [Contract]

9. **Gladstone, David.** Public Screen for Atrial Fibrillation: The Pulse Check Pilot Study. Sponsor: **Heart and Stroke Foundation of Ontario.** (July 2011-June 2012) [Contract]

10. **Gladstone, David.** The CLOQS Trial: Countdown Lights to Optimize Quality in Acute Stroke. Swartz R, Gladstone DJ, Silver FL, Selchen D, **Black SE,** on behalf of the UofT Stroke Program: **Roche.** ($100,000 2010-2012 Prorated: $33,333) [Grant]

11. **Hopyan, Julia Jasmine.** A Phase II Prospective, Randomized, Double-Blind, Placebo Controlled Study of NTX™-265: Human Chorionic Gonadotropin (hCG) and Epoetin Alfa (EPO) in Acute Ischemic Stroke Patients (REGENESIS). **Cramer S,** Hill M, Ehrenreich H, et al: **Stem Cell Therapeutics.** (2008-present) [Clinical Trial]

12. **Hopyan, Julia Jasmine.** DIAS (Desmoteplase in Acute Stroke) 4 trial. **Lundbeck A/S.** (2009-present) [Clinical Trial]
13. **Lee, Liesly.** A Double-Blind, Randomized, Multicenter, Placebo-Controlled, Parallel-Group Study Comparing the Efficacy and Safety of 0.5mg FTY720 Administered Orally Once Daily Versus Placebo in Patients with Primary Progressive Multiple Sclerosis. *Novartis Canada Ltd.* ($38,051 Feb 2011-present Prorated: $26,160) [Clinical Trial]

14. **Lee, Liesly.** A Multinational, Multicenter, Randomized, Double-Blind, Parallel-Group, Placebo-Controlled Study, to Evaluate the Safety, Tolerability and Efficacy of Daily oral Administration of Laquinimod 0.6 mg in Subjects with relapsing-remitting multiple sclerosis. *Teva Neuroscience Inc.* ($20,000 Jan 2008-present $4,211) [Clinical Trial]

15. **Lee, Liesly.** A phase III double-blind randomized placebo-controlled trial of minocycline in Clinically Isolated Syndromes (CIS). *MSS of Canada.* ($10,000 Apr 2009-present $2,857) [Clinical Trial]


17. **Lee, Liesly.** A Population Study of Risk Factors for Multiple Sclerosis: The Canadian Contribution to an International Study ENVironmental factors in Multiple Sclerosis (EnviMS). *MS Society of Canada.* ($5,000 Apr 2012-present Prorated: $5,000) [Clinical Trial]

18. **Lee, Liesly.** An international, multi-center, randomized, double-blind, placebo-controlled, Parallel group study to evaluate the efficacy and safety of two year treatment with teriflunomide 7mg once daily and 14mg once daily versus placebo in patients with a first clinical episode suggestive of multiple sclerosis. *Sanofi-Aventis (Canada).* ($20,000 June 2009-present Prorated: $6,000) [Clinical Trial]


20. **Lee, Liesly.** Epidemiology of Anti-JCV Antibody Prevalence in Multiple Sclerosis Patients: JEMS. *Biogen Idec Inc. (Ontario).* ($39,400 Oct 2011-May 2012 Prorated: $39,400) [Clinical Trial]

21. **Lee, Liesly.** Tysabri Retrospective Chart Review Extension Study in Multiple Sclerosis (TysCan). *Biogen Idec Inc. (Ontario).* ($35,075 June 2010-Oct 2011 Prorated: $8,253) [Clinical Trial]

22. **Masellis, Mario.** A Phase 2 Multicenter, Randomized, Double Blind, Placebo-Controlled Study of the Safety, Tolerability and Pharmacokinetics of Multiple Doses of PF-04360365 in Patients with Mild-to-Moderate Alzheimer’s Disease. Study Number: A9951002. *Black, Sandra: Pfizer Canada Inc.* ($367,000 Mar 2009-Sept 2011 Prorated: $35,516) [Clinical Trial]

23. **Masellis, Mario.** Heterogeneity in Clinical, Neuropsychological, and Neuroimaging Correlates of Familial Frontotemporal Dementia due to Progranulin (PGRN) Mutation. Family donation to *Sunnybrook Foundation* - FTD research. ($20,000 Apr 2012- May 2013 Prorated: $4,286) [Donation]

24. **Masellis, Mario.** Pharmacogenetics of Cholinesterase Inhibitors in Alzheimer's (AD) and Lewy Body Disease (LBD). *Masellis, Mario: Family donation to Sunnybrook Foundation* - Dementia research. ($5,000 Apr 2011-Dec 2011 Prorated: $3,333) [Donation]


26. **Perry, James.** An Open-Label, Three-Cohort, Phase II Study of E7080 in Subjects with Recurrent Malignant Glioma (HOPE). *Eisai Inc.* ($30,000 Jan 2012-present Prorated: $5,000) [Clinical Trial]

27. **Perry, James.** Cilengitide for Subjects With Newly Diagnosed Glioblastoma Multiforme and UnMethylated MGMT Gene Promoter (CORE). Merck KGAA. ($27,000 Nov 2010-present Prorated: $27,000) [Clinical Trial]

28. **Perry, James.** Glioblastoma in the Elderly (CE.6). *Perry, James: National Cancer Institute of Canada (NCIC).* Clinical Trials Group. ($180,000 Oct 2007- present Prorated: $37,895) [Clinical Trial]

29. **Swartz, Richard H.** CLOQS - expansion for UTSP sites. *Swartz, Richard, Gladstone DJ, Silver FL, Selchen D, Black SE: Roche Limited.* ($100,000 Mar 2010-Feb 2012 Prorated: $33,333) [Grant]

30. **Swartz, Richard H.** Development of an Integrated Stroke Program Involving Three University Academic Health Science Centres. *Swartz, Richard, Gladstone DJ, Silver FL, Selchen D, Black SE: University of Toronto Department of Medicine and Sunnybrook Brain Sciences Program.* ($100,000 2009-2011 Prorated: $16,667) [Grant]
31. **Swartz, Richard H.** Effects of Cardiac Rehabilitation for Individuals After Transient Ischemic Attack. McIlroy WE, Brooks D, Oh P, **Black S**, Ween J, Gladstone D: Heart and Stroke Foundation of Canada (HSFC). ($240,000 2009-2012 Prorated: $60,000) [Clinical Trial]

32. **Swartz, Richard H.** Frequency of Fabry Disease in an unselected group of cryptogenic stroke patients: a multicentre cohort study. **Canadian Stroke Consortium.** Canadian Fabry Stroke Screening Initiative (CFSSI). (2010-present) [Cohort Study]


## Publications

### Peer Reviewed Publications


4. D. Rotstein, **L. Lee**, P. O’Connor, **B.J. Murray.** Multiple sclerosis fatigue is associated with reduced psychomotor vigilance. Canadian Journal of Neurological Sciences. 2012 Mar;39(2), (40%)


8. F. M. Coelho, M. Narayansingh, **B.J. Murray.** Testing Sleepiness and Vigilance in the Sleep Laboratory. Current Opinion in Pulmonary Medicine. (invited review) (40%).


Abstracts


**Book Chapters**


**Case Reports**


**Editors**


**Letters to Editor**


**Other**


**Honours and Awards**

**International**

**Student/Trainee Awards**

Received

1. **Black, Sandra E.** Wayne Hening Young Investigator Award, International Restless Legs Syndrome Study Group (IRLSS). (Awardee Name: Boulos, Mark). June 2012. **Total Amount: $1,000.00 USD.**

2. **Murray, Brian**. Wayne Hening Young Investigator Award, International RLS Study Group (IRLSSG). Specialty: Sleep Medicine. (Awardee Name: Mark Boulos). July 2011 – June 2012. **Total Amount: $1,000.00 USD.**

**National**

**Distinctions and Research Awards**

Received

1. **Black, Sandra E.** Irma M Parhad Award for Excellence, Consortium of Canadian Centres for Clinical Cognitive Research (C5R). (Distinction).

2. **Swartz, Richard H.** Focus on Stroke Research Scholarship, Heart and Stroke Foundation of Canada, CIHR, Canadian Stroke Network. (Distinction). 2010 – 2012. peer-reviewed research salary support award. **Total Amount: $100,000.00 CAD.**

3. **Swartz, Richard H.** Summer Studentship, Canadian Stroke Network (CSN). (Research Award). May 2012 – August 2012. **Total Amount: $7,000.00 CAD.**

**Student/Trainee Awards**

**Received**

1. **Black, Sandra E.** Vanier Doctoral Research Award, Canadian Institutes of Health Research, Canada. (Awardee Name: Schwindt, Graeme). May 2009 – April 2012. *Total Amount: $150,000.00.*

2. **Black, Sandra E.** Canada Graduate Scholarship - Frederick Banting and Charles Best Doctoral Award, Canadian Institutes of Health Research, Ontario, Canada. (Awardee Name: Nestor, Sean). May 2011 – April 2014. *Total Amount: $90,000.00 CAD.*

3. **Black, Sandra E.** Canadian Stroke Network Summer Research Scholarship, Faculty of Medicine, Sunnybrook Health Sciences Centre. (Awardee Name: Gravely, Mark). May 2011 – August 2011. *Total Amount: $7,000.00.*


5. **Black, Sandra E.** MD/PhD Scholarship, Faculty of Medicine, McLaughlin Centre for Molecular Medicine, University of Toronto. (Awardee Name: Schwindt, Graeme). May 2012 – April 2015. *Total Amount: $18,000.00.*

6. **Black, Sandra E.** MD/PhD Scholarship, Canadian Institutes of Health Research. (Awardee Name: Schwindt, Graeme). May 2012 – April 2015. *Total Amount: $72,000.00 CAD.*

7. **Black, Sandra E.** Training Program in Neurodegenerative Lipidomics, Canadian Institute of Health Research, Ontario, Canada. (Awardee Name: Lam, Benjamin). May 2012 – April 2013. *Total Amount: $20,000.00 CAD.*

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**Provincial/Regional**

**Distinctions and Research Awards**

**Received**

1. **Black, Sandra E.** Order of Ontario (O.Ont.), Government of Ontario, Ontario, Canada. (Distinction). January 2012. *The Order of Ontario is the province’s highest official honour. Awarded to Dr. Sandra E. Black of Toronto, one of the world’s pre-eminent cognitive neurologists specializing in stroke and dementia, and the visionary leader behind the Ontario Stroke System.*

2. **Gladstone, David.** HSFO Phase II Clinician-Scientist Award ($65,000/year; 3 years), Heart and Stroke Foundation of Ontario. (Research Award). 2009 – 2012. *Project title: “Improving the Detection and Treatment of Atrial Fibrillation Following Transient Ischemic Attack and Stroke”.*

3. **Gladstone, David.** Early Researcher Award ($50,000/year; 3 years), Ontario Ministry of Research and Innovation. (Research Award). 2011 – 2014. *“Stopping Bleeding in the Brain: Developing an Innovative Image-Guided Emergency Treatment Protocol for Patients with Intracerebral Hemorrhage”.*

**Student / Trainee Awards**

**Received**


2. **Black, Sandra E.** Ruth Taylor Research Studentship Fund - Summer Studentship, Queen’s University at Kingston. (Awardee Name: Dossa, Fahima). May 2011 – August 2011. *Total Amount: $5,000.00 CAD.*

3. **Black, Sandra E.** HSFCSR Summer Student Award, Heart and Stroke Foundation Centre for Stroke Recovery. (Awardee Name: Climans, Seth). June 2011 – August 2011. *Total Amount: $2,500.00.*

4. **Black, Sandra E.** Early Researchers Award, Ontario Ministry of Economic Development and Innovation, Ontario, Canada. (Awardee Name: Masellis, Mario). 2012 – 2017. *Total Amount: $140,000.00 CAD.*
5. **Black, Sandra E.** MITACS Accelerate Research Internship, MITACS & HSF CSR, Canada. (Awardee Name: Herlihey, Tracey). March 2012 – June 2012. **Total Amount: $15,000.00 CAD.**

6. **Black, Sandra E.** MITACS Accelerate Research Internship, MITACS & HSF CSR, Canada. (Awardee Name: Gonzalez, David). April 2012 – July 2012. **Total Amount: $15,000.00 CAD.**

7. **Black, Sandra E.** HSFCSR Summer Student Award, Heart and Stroke Foundation Centre for Stroke Recovery. (Awardee Name: Dmytriw, Adam). June 2012 – August 2012. **Total Amount: $2,500.00.**

**Local Distinctions and Research Awards**

**Received**

1. **Gladstone, David.** Department of Medicine Research Committee (competitive, peer-reviewed research salary support) ($50,000), Sunnybrook Health Sciences Centre. (Salary Support). 2011.

2. **Black, Sandra E.** Sibbald Mentorship Award for Excellence, Faculty of Medicine, Sunnybrook Health Sciences Centre, University of Toronto, Department of Medicine. (Distinction). July 2011.

3. **Black, Sandra E.** Deborah Ivy Christiani Brill Chair in Neurology, Faculty of Medicine, Dept. of Medicine and SHSC Foundation, University of Toronto, Canada. (Distinction). 2006–present. **To advance research in cerebrovascular disease. Award Renewed Jan 2012. Total Amount: $2,000,000.00.**

4. **Swartz, Richard H.** Junior Investigator Award, Faculty of Medicine, Sunnybrook Health Sciences Centre, Canada. (Research Award). 2011.

**Student / Trainee Awards**

**Received**

1. **Black, Sandra E.** SRI Research Summer Student Award, Faculty of Medicine, Sunnybrook Research Institute. (Awardee Name: Nastis, Sofia). May 2011 – July 2011. **Total Amount: $1,600.00.**

2. **Black, Sandra E.** SRI Research Summer Student Award, Faculty of Medicine, Sunnybrook Research Institute. (Awardee Name: Muir, Ryan). May 2012 – July 2012. **Total Amount: $1,600.00.**

3. **Black, Sandra E.** IMS Summer Undergraduate Research Award, Faculty of Medicine, Institute of Medical Science (University of Toronto) & Sunnybrook Health Sciences Centre. (Awardee Name: Nastis, Sofia). June 2012 – August 2012. **Total Amount: $4,800.00 CAD.**

4. **Black, Sandra E.** Brain Sciences Summer Studentship, Faculty of Medicine, Sunnybrook Health Sciences Centre. (Awardee Name: Au, Kelvin). June 2012 – August 2012. **Total Amount: $2,000.00.**

5. **Masellis, Mario.** Sunnybrook Brain Sciences Summer Studentship, Primary Supervisor, Dept of Medicine, Faculty of Medicine, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada. Specialty: Neurology. (Awardee Name: David Dongkyung Kim). May 2011 – August 2011. **Total Amount: $2,000.00 CAD.**

6. **Masellis, Mario.** Sunnybrook Brain Sciences Summer Studentship, Faculty of Medicine, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada. (Awardee Name: Zhe Yu). May 2012 – August 2012. **Total Amount: $2,000.00 CAD.**
DIVISION OF REHABILITATION MEDICINE

Number of Faculty: 1

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Publications

Peer Reviewed Publications

Journal Articles


Abstracts


Case Reports

1. Dr. D. Berbrayer. Pain and Spasticity in Child With Cerebral Palsy. AAPM&R’s Online Case Study Program Berbrayer,D: “Pain and Spasticity in Child with Cerebral Palsy” AAPM&R Case of the Month, Pediatric Case #1 Dec 2011. First published online Pediatric case report endorsed by the American Academy of Physical Medicine and Rehabilitation Peer reviewed with editor and also subeditor blinded review of project over several months.

Honours and Awards

Provincial/Regional

Distinctions and Research Awards

Received


3. Berbrayer, David. Ontario Medical Association Physiatry Section Service Award, Service to OMA advancing role of Physiatry in the medical profession, Ontario Medical Association, Ontario, Canada. (Distinction). Specialty: Physiatry. May 2012. Criteria: The Section Service Award is awarded in” recognition of significant service to the OMA, medical profession, or public within a Section.” Nominations Process: Nominations may be made through a Section by universities, hospitals and community medi.

Teaching Awards

Received

## DIVISION OF RESPIROLOGY AND CLINICAL IMMUNOLOGY

Number of Faculty: 4

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Grants, Contracts and Clinical Trials

Peer Reviewed Funding

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Other Peer Reviewed Funding


Non Peer Reviewed Funding


Publications

Peer Reviewed Publications

Journal Articles


Abstracts


Other


Honours and Awards

National

Distinctions and Research Awards

Received

1. Gershon, Andrea. Pharmacologic Management of Chronic Disease in Older Adults II New Investigator Award, CIHR New Emerging Team in Pharmacologic Management of Chronic Disease in Older Adults. (Research Award). January 2012 – December 2012.

Provincial

Distinctions and Research Awards

Received

1. Gershon, Andrea. Ontario Career Scientist Award, Government of Ontario, Nunavut, Canada. (Research Award). July 2009 – September 2011. Originally granted for $70,000 per year for 5 years but ended early due to program termination. $70,000.00 CAD.


Local

Distinctions and Research Awards

Received

DIVISION OF RHEUMATOLOGY

Number of Faculty: 2

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<th>Publications</th>
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<td><strong>Peer Reviewed Publications</strong></td>
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<td>Co-Principal Author</td>
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<tr>
<td>Collaborator / Co-Author</td>
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<td><strong>Total Honours and Awards</strong>:</td>
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Grants, Contracts and Clinical Trials

Peer Reviewed Funding

Division Member is Principal Investigator

1. **Bell, Mary.** Physician's Tool to Evaluate Joint and Bone Complaints. Taveres, Mary Aisen: *Canadian Initiative For Outcomes in Rheumatology Care (CIORA).* ($47,808 Dec 2011-Aug 2013 Prorated: $15,936) [Grant]

2. **Bell, Mary.** Peer-to-Peer Mentoring For Individuals with Early Inflammatory Arthritis: An Effective Study (Pilot RCT). Ed Keystone, Sydney Lineker, Joanna Sale, Sharron Sandhu: *Canadian Initiative For Outcomes in Rheumatology Care (CIORA).* ($46,506 Dec 2010-Aug 2012 Prorated: $26,575) [Grant]

Other Peer Reviewed Funding

1. **Bell, Mary.** Improving patient outcomes: mapping practice boundaries and intersections between the domains of Continuing Education, Knowledge Translation, Patient Safety and Quality Improvement. Kitto S, Bell M, Reeves S, Sargeant J, Etchells E, Silver I: *AFMC SCCPD.* ($20,000 May 2011-June 2012 Prorated: $17,143) [Grant]

2. **Bell, Mary.** Getting a Grip on Arthritis Online. The Arthritis Society. Lineker (Brooks), Sydney Dr. Sydney Cecile Lineker, Lynn Moore, Dr. Mary Jane Bell, Dr. E. Badley, Dr. V. Curran, Mrs. K. Drouin, Ms. L. Fleet, Mrs. B. Hajdu, Mr. C. Hogben, Mrs. F. Kirby, Mr. J. McCarthy, Dr. P. Tugwell, Dr. J. Wootton (SRPC): *Canadian Institutes for Health Research Planning and Dissemination Grant (CIHR).* ($198,680 May 2012-Apr 2014 Prorated: $16,557) [Grant]


Publications

Peer Reviewed Publications

Journal Articles


Abstracts


Honours and Awards

International

Distinctions and Research Awards

Received


Local

Distinctions and Research Awards

Nominated

Bell, Mary. Department of Medicine, Mentoring Award, University of Toronto, Toronto, Ontario, Canada. (Mentoring). 2010 – 2011.

Student/Trainee Awards

Received

MISSION, VISION & VALUES STATEMENTS

MISSION
Sunnybrook’s Department of Medicine promotes and delivers the highest quality care, provides an innovative learning and practice environment, engages in research, and supports knowledge exchange between clinicians, researchers and educators to achieve the best possible health outcomes for local and global populations.

VISION
Optimal care for every patient through leadership in clinical practice, education and research.

VALUES
- Clinical excellence: leadership in quality and safety of the patient experience
- Academic excellence: innovation, critical inquiry and effective knowledge exchange.
- Supportive and energizing environment: collegiality and inter-professional collaboration; an environment where every faculty member is supported and valued
- Accountability

ORGANIZATION CHART