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MESSAGE FROM THE PHYSICIAN-IN-CHIEF

I am pleased to share this annual report for the 2012-13 academic year with you. I am very proud of what our Department has accomplished in this time. We continue to grow in size and impact. Clinically, we continue with our efforts to intensify our focus on tertiary/quaternary acute care while working with our partners to provide integrated patient-focused primary/secondary care to our community. Our researchers continue to be highly productive with over $70 Million in peer-reviewed funding and 750 peer-reviewed publications in this past year. Education within the Department has never been stronger, not only in the provision of high quality education across the continuum, but also as leaders in Medical Education research and scholarship at a national and international level. Our faculty continue to be recognized through local, national, and international awards, a testament to the great impact of their work.

We are now heading into my fifth year as Physician-in-Chief. When I took on this role, we developed a strategic plan that has been my blueprint as we plan to shape the future of the Department. This plan, entitled ‘Sharpening our Focus’, was guided by three core principles:

• That we would strategically focus our efforts
• That we would align our efforts with the Hospital, Research Institute, and the University of Toronto
• That we would maximize our impact through partnerships with our Academic Health Sciences and community partners.

These principles guided the development of our long-term priorities and short-term goals.

When we published the plan, I committed to updating you on our progress. As I reflect upon the work we have done together since that time, I am proud of what we have accomplished and very optimistic about our future.

I am extremely grateful to our outstanding faculty and staff for all of their hard work and dedication in clinical care, research and education and to the Division Heads for their leadership and council.

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 107 full time and 199 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 176 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.

We continue to focus our clinical priorities for the Department in two areas, Integration with primary care and other community providers as well as ambulatory alternatives to admission for provision of acute care. This year, our integration initiatives have focused on the North East Toronto HEALTHLINK and have taken the form of increasing coordination of care for patients who are frequent users of the health system as well as improving communication with primary care physicians upon admission and discharge from hospital. Sunnybrook’s leadership in Health Information Technology, including eDischarge has been critical to our success to date.

This year we continued to augment our capacity to provide acute care in the outpatient setting. Our General Internal Medicine Rapid Referral Clinic (RRC) continues to expand its capability, seeing its 3,000th patient this year. The RRC was joined this year by an invigorated TIA clinic. We anticipate the new Cardiology Rapid Assessment Clinic to open this fall. Our plans are to expand these services as well as include urgent ambulatory clinics in Respiratory disease, Cancer and Gastroenterology among others.

Education: Our educational programs continue to thrive. Our residency programs underwent a successful accreditation visit from the Royal College of Physicians and Surgeons of Canada this April. Our teachers are highly recognized, with a record number being ranked among the top 10% of teachers in the University and a number winning external awards. We also continue to grow as a center of Education Research and Scholarship. Our educators have been awarded high profile peer reviewed grants as well as been published in top tier education journals such as Academic Medicine and Medical Education. We are pleased to have been joined this year by two education faculty, Umberin Najeeb, a Clinician Educator in General Internal Medicine with a focus on the Education of Health Professionals educated abroad as well as Shirley Chow, a Clinician Teacher in the Division of Rheumatology.

Research: This has been a very productive year for our researchers. They now hold over $70 million in peer-reviewed grant funding, authored 749 peer-reviewed publications, as well as delivered over 1000 presentations locally, nationally and internationally. We continue to be guided by our cross-cutting focus on Health Services Research, Quality and Patient Safety as well as Educational Research. This productivity is possible only as a result of the very generous investment of our Department members in their colleagues through our practice plan.

Sustainability and Accountability: We are pleased this year to have met our target of 90% hand hygiene compliance. We continue to work on improving our communication including the policy of highlighting the accomplishments of our researchers and educators through a campaign of posters and videos accessible on line. Finally, the Sunnybrook Department of Medicine Partnership continued to refine its operations and we continue to develop policies and improve our human resource management functions. In 2014, we will be refreshing our global budgeting process.

The Future: Fall 2014 will be the end of my fifth year as Physician-in-Chief. I look forward to the 5-year external review the Department will undergo this year. The advice we receive will help us further focus our efforts. Next year will see continued preparation for the establishment of our Ambulatory Care Dialysis satellite as well as the building of a rehabilitation medicine program that will bring together our rehab efforts across the three campuses of Sunnybrook. I look forward to the challenge.
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. Julia Lowe – 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/Hematology

Dr. Michelle Hladunewich – Nephrology and Obstetrical Medicine

Dr. David Berbrayer – Physical Medicine and Rehabilitation

Dr. Khalil Sivjee – Respiratory

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

EDUCATION: The Department of Medicine continues to have outstanding successes in our Medical Education mission. We have had another excellent year in both our Education Scholarship/Research and Excellence in Teaching academic activities.

Education Scholarship and Research: We continue as a primary center and recognized leader in Education Scholarship and Medical Education research at a local, national as well as international level. Several of our DOM members are Principal or Co-Investigators in external grants (2 CIHR grants, 5 RCPSC – Medical Education Research grants, AMS/CanMEDS Research and Development grants) as well internal grants (3 University of Toronto - Education Development grants for Innovations in Education). As well, many of our clinician teachers are carrying out Medical Education projects (12 of them at last tally) as part of individual/divisional academic pursuits. In the last academic year, members of our Department have had over 25 publications in high impact Medical Education journals like Academic Medicine and Medical Education. As well, Sunnybrook medical educators and clinician teachers have had 10 international and 11 national presentations at major forums for Medical Education Research. We continue to be a recognized national leader in Patient Safety and Quality Improvement.

Teaching: This year we welcomed two new education faculty members to the Department, Dr. Umberin Najeeb, clinician educator and Shirley Chow, clinician teacher. We are especially proud of 7 of our clinician teachers: S Walsh, S Shumak, A Zahirieh, E Etchells, S Singh, S Ahmed, D Gandell who placed among the top 10% of teachers in the Department city-wide (a disproportionately high number 7 of 25). This year, our clinician teachers have also garnered 5 nominations and 24 awards across the entire spectrum of academic teaching endeavors ranging from the international/national to regional-provincial/local stage. Special commendations to Mary Bell (Colin Woolf Award –Continuing Education) and Ayelet Kuper (Helen Beatty Award – Innovations in Faulty Development) who received 2 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), Geriatrics (B Liu), Medical Oncology (S Berry), Peters-Boyd Academy Director (M Cooper) and the U of T leads for the Toronto Addis Ababa Academic Collaboration (G Piliotis, J Lowe). A special thanks to Gena Piliotis who after several years of outstanding leadership has stepped down as Postgraduate Program Director for Hematology.

It has once again, been a rare honour and privilege to facilitate and coordinate the Medical Education academic activities of the members of the Department of Medicine in 2012-13. Our exceptional supportive culture for Medical Education and our outstanding Medical Education Researchers and Clinician Teachers assure all of us of continued excellent achievements in Medical Education.
The Department of Medicine at Sunnybrook Hospital celebrates a very productive year of research activities and accomplishments. Of our 107 Departmental Faculty, half are clinician scientists or investigators. Department researchers received over 368 peer-reviewed grants totaling over $70 million, in addition to another 127 industry-sponsored and non-peer-reviewed grants totaling nearly $4 million. Department members authored 749 peer-reviewed publications, 92 non-peer-reviewed publications and delivered over 1000 presentations … all evidence of a collective, substantial continued increase in research productivity.

Due to this productivity and impact, members received over 118 individual awards, including Sandra Black (Researcher of the Year, University of Toronto, Department of Medicine; Fellow, Royal Society of Canada, Academy of Sciences), Donald Redelmeier (Anne and Neil McArthur Award for Outstanding Canadian Research, McMaster University; Peters-Boyd Student Mentorship Award), Mary Bell (Robert Hyland Mentoring Award, Department of Medicine, University of Toronto), Andrew Lim (Wayne A. Hening Sleep Medicine Investigator Award, American Academy of Neurology; the Circadian Rhythms Section Investigator Award, American Academy of Sleep Medicine; Maud Menton CIHR New Investigator Award), Matt Oliver (Department of Medicine Quality Improvement & Patient Safety Award), Michelle Hladunewich (Leadership Award, Department of Medicine; Fellow of the American Society of Nephrology; American Physiological Society; Peters-Boyd Academy Mentorship Award), Urban Emmenegger (Human Touch Award, Cancer Care Ontario and Ontario Renal Network), Kathy Pritchard (Martin Prize in Clinical Research from Massachusetts General Hospital), David Juurlink (University of Toronto Goldie Award), Ayelet Kuper (AMS Phoenix Fellowship Research Award), Andrea Gershon (Physicians’ Services Incorporated Translational Medicine Fellowship Award), David Spaner (Governor General’s Research Award, Leukemia and Lymphoma Society of Canada), Nick Daneman (Department of Medicine Junior Investigator Award), and Sheldon Tobe (Department of Medicine Senior Investigator Award; Northern Ontario School of Medicine Heart and Stroke Foundation Chair in Aboriginal and Rural Health).

Many members of the Department receive 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 Mid-Career 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; David Gladstone, the Phase II Clinician-Scientist Award from Heart and Stroke Foundation of Ontario and Andrea Gershon, Fellowship for Translational Health Research, Physicians’ Services Incorporated.

Department partners continue to be generous in their support of researchers and research activities and we leverage this support via the federal Scientific Research and Experimental Development program. The Department enjoys a collaborative relationship with Sunnybrook Research Institute and the Institute for Clinical and Evaluative Sciences: partnering with clinical programs to help improve our collective research space on K3-West; and ensuring departmental research employees have an appropriate home within SRI. We are excited to continue promoting our research activities internally with our scientist poster series, and a revamped web site with research videos to help the world learn more about researchers at Sunnybrook.
Our faculty consists of 107 full-time and 199 part-time members.

The OB Medicine and Clinical Pharmacology & Toxicology divisions are not represented on the chart as all members are cross-appointed.
Our faculty has a similar distribution of academic ranks to that of the university as a whole. 21% 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>21%</td>
<td>25%</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>21%</td>
<td>24%</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>54%</td>
<td>43%</td>
</tr>
<tr>
<td>Lecturer</td>
<td>4%</td>
<td>7%</td>
</tr>
<tr>
<td>TOTAL</td>
<td>100%</td>
<td>100%</td>
</tr>
</tbody>
</table>

45% of the faculty are researchers

<table>
<thead>
<tr>
<th>Clinician Rank</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinician Administrator</td>
<td>3</td>
</tr>
<tr>
<td>Clinician Educator</td>
<td>11</td>
</tr>
<tr>
<td>Clinician Investigator</td>
<td>25</td>
</tr>
<tr>
<td>Clinician Scientist</td>
<td>24</td>
</tr>
<tr>
<td>Clinician Teacher</td>
<td>42</td>
</tr>
<tr>
<td>Clinician in Quality and Innovation</td>
<td>2</td>
</tr>
</tbody>
</table>
## New Appointments

We welcomed the following new faculty:

<table>
<thead>
<tr>
<th>General Internal Medicine</th>
<th>Rheumatology</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dr. Umberin Najeeb</strong></td>
<td><strong>Dr. Shirley Chow</strong></td>
</tr>
</tbody>
</table>

Dr. Umberin Najeeb is an Assistant Professor and a Clinician Educator at the University of Toronto. Her area of academic interest is medical education specifically in challenges and issues surrounding International Medical Graduate (IMG) education and training. Clinically, Dr. Najeeb serves as a Staff Internist and has a regular outpatient clinic for Internal Medicine patients every Wednesday.

Dr. Shirley Chow is an Assistant Professor and a Clinician Teacher at the University of Toronto. Her area of academic interest is curriculum development and quality improvement and patient safety. Clinically, Dr. Chow serves as a rheumatology consultant and has a regular outpatient clinic for patients with inflammatory arthritis.

## Promotions

Congratulations to our physicians who were promoted to the Associate Professor rank effective July 1, 2012.

<table>
<thead>
<tr>
<th>Dr. Dennis Ko</th>
<th>Dr. Matthew Oliver</th>
<th>Dr. Sunil Verma</th>
</tr>
</thead>
</table>
2013 Department of Medicine Award Recipients

Teaching

Young Teacher Award
• Dr. Umberin Najeeb

In-Patient Teaching Award
• Dr. Steven Shumak

Pre-Clerkship Teaching Award
• Dr. Yoo-Joung Ko

Ambulatory Teaching Award
• Dr. Shaheeda Ahmed

Part-Time Teaching Award
• Dr. Karen Okrainec

Continuing Education Award
• Dr. Jeremy Gilbert

Research

Junior Investigator Award
• Dr. Nick Daneman

Senior Investigator Award
• Dr. Sheldon Tobe

Leadership

Department Of Medicine Leadership Award
• Dr. Edward Etchells

Mentorship

William J. Sibbald Faculty Mentoring Award
• Dr. Liesly Lee

External Leadership Positions

Peters-Boyd Academy Director
• Dr. Mary Anne Cooper

U of T Educational/Academic 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
• Dr. Kaveh Shojania,
  Director Quality and Patient 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
• Yoo-Joung Ko
• Barb Liu
• Gena Piliotis
• Steven Shadowitz
• Bradley Strauss
• Scott Walsh

Executive Director, Toronto Dementia Research Alliance
• Sandra Black

Lead Scientist, Colon Cancer Check program, CCO
• Jill Tinmouth

Canadian Hypertension Education Program Chair
• Sheldon Tobe
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 advises the Physician-in-Chief on issues relating to faculty well being and satisfaction.

Last year, five meet and greet luncheons were held, hosted by the divisions of General Internal Medicine, Infectious Disease, Geriatric Medicine, Gastroenterology and Dermatology. Feedback continues to be very supportive and the plan is to have future luncheons in the upcoming academic year. An information session for incorporated members is planned as well, to give information about the practical aspects of managing the corporations.

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
STRATEGIC PLAN

Our Strategic Plan 2010-2015, “Sharpening our Focus” was developed in 2009. We are presently working on Short Term Goals for 2013-2014; the following chart highlights (with a check mark) goals that have already been met.
<table>
<thead>
<tr>
<th>Quality Clinical Care</th>
<th>Research</th>
<th>Education</th>
<th>Sustainability/Accountability</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Ensure all divisions make outpatient notes accessible in EPR</td>
<td>• Establish named professorship and dinner for the DOM Resident Research Day ✓</td>
<td>• Make process for awarding teaching stipends more transparent, focused and merit-based ✓</td>
<td>• Develop and implement a late career transition policy ✓</td>
</tr>
<tr>
<td>• Ensure all divisions implement processes for expedited access from the ED, RRC, and inpatient wards</td>
<td>• Establish a funded research chair for DOM</td>
<td>• Develop and deploy a regular Departmental education newsletter ✓</td>
<td>• Develop and implement a global budgeting model for the academic budgets</td>
</tr>
<tr>
<td>• Formalize discharge clinic visits in order to improve care transition from inpatient to outpatient ✓</td>
<td>• Complete the transfer of research staff from Sunnybrook Department of Medicine partnership (SDMP) to Sunnybrook Research Institute (SRI) ✓</td>
<td>• Nominate at least four (4) DOM members for external awards each year ✓</td>
<td>• Implementing performance assessment for Management Committee members and committee chairs ✓</td>
</tr>
<tr>
<td>• Enter formal partnerships with 20 community primary care physicians ✓</td>
<td>• Increase DOM research contributions to SRI and the SRED program by 20% ✓</td>
<td>• Ensure each rotation has a structured orientation as well as updated goals and a rotation manual accessible online ✓</td>
<td>• Revise the SDMP partnership agreement ✓</td>
</tr>
<tr>
<td>• Decrease patient census per team on GIM to &lt; 25 (15% reduction) ✓</td>
<td>• Establish a mechanism to find adequate work space for DOM and affiliated Programs’ clinical research staff in the hospital ✓</td>
<td>• Increase support for DOM Clinician Scientists and Investigators, in line with other University of Toronto hospitals</td>
<td>• Implement a new pregnancy and parental leave policy ✓</td>
</tr>
<tr>
<td>• Improve visibility and promotion for DOM Research within and outside Sunnybrook through deployment of videos on the web ✓</td>
<td>• Improve visibility and promotion for DOM Research within and outside Sunnybrook through deployment of videos on the web ✓</td>
<td>• Develop and report one measure of access, one measure of process and one measure of outcome for each division</td>
<td>• Develop and implement a policy for non-partner members of the department ✓</td>
</tr>
<tr>
<td>• Conduct an external review of the DOM research activities and committee functioning ✓</td>
<td>• Conduct an external review of the DOM research activities and committee functioning ✓</td>
<td>• Explore the feasibility of implementing stipends for division heads</td>
<td>• Explore the feasibility of implementing stipends for division heads</td>
</tr>
<tr>
<td>• Develop and implement a mechanism to find adequate work space for DOM and affiliated Programs’ clinical research staff in the hospital ✓</td>
<td></td>
<td>• Improve physician hand hygiene compliance to over 90% ✓</td>
<td>• Improve physician hand hygiene compliance to over 90% ✓</td>
</tr>
<tr>
<td>• Deploy a departmental portal to improve communications ✓</td>
<td></td>
<td></td>
<td>• Deploy a departmental portal to improve communications ✓</td>
</tr>
</tbody>
</table>
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 seven 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:

About 3300 diagnostic cardiac angiograms, 1750 coronary angioplasties, 70 Transaortic valvular implants, 25 Mitra clips, 370 pacemakers, 220 ICDs and over 300 EP studies/ablations were performed. Inpatient activities include emergency care, an active cardiology ward and CICU and hospital-wide cardiac consultation services. 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 10,000 echocardiographic procedures performed. 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. The non-invasive lab recorded over 3,700 visits. Cardiology Outpatient Clinics served over 12,500 patients last year.
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).

Research:

Major research foci are image-guided cardiovascular interventions and cardiovascular outcomes and health care utilization. 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 (IRCCI), which was funded several years ago by a major national peer-reviewed CFI grant. The Cardiology full-time faculty produced over 140 peer reviewed publications over the past year and held over $10 million in research grants.

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.

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

- Heart and Stroke Foundation - Ontario Clinician Scientist Award – Dr. Dennis Ko
- Heart and Stroke Foundation of Canada Distinguished Clinician Scientist Award – Dr. Harindra Wijeysundera
- Department of Medicine Ambulatory Teaching Award – Dr. Shaheeda Ahmed
- Achievement Award – Dr. Martin Myers

Future Plans:

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

The Division of Clinical Pharmacology and Toxicology is a multi-disciplinary team with diverse specialties, including drug safety, adverse drug events, toxicology, pharmacoepidemiology, geriatric pharmacology and cardiovascular risk and prevention.

All members in the division are cross-appointed from various divisions within the department including General Internal Medicine, Geriatric Medicine, Medical Oncology, Cardiology and Dermatology. Members are also cross-appointed from other departments and institutions such as The Institute for Clinical Evaluative Sciences, and the Ontario Regional Poison Information Centre at the Hospital for Sick Children.

Clinical:
Sunnybrook is one of only a few hospitals in Canada with a Clinical Pharmacology & Toxicology consult service. We provide inpatient consultation regarding the diagnosis and management of various drug-related problems including allergy, drug hypersensitivity and other adverse drug reactions, clinical therapeutics, drug desensitization, therapeutic drug monitoring and management of acute and chronic poisoning. In addition, the Drug Safety Clinic provides outpatient consultation services to patients with known or suspected drug allergies.

Education:
Clinical Pharmacology & Toxicology remains a popular elective for PGY3/4 trainees in Internal Medicine, who are the first point of contact for consults and who receive 1-on-1 teaching for 4 to 6 hours each month. However, the educational component of the rotation is likely to suffer as the result of Dr. Lisa Thurgur’s move to Ottawa earlier this year.

The division delivers monthly case-based rounds as part of the noon lecture series to all undergraduate and graduate medical trainees at Sunnybrook. These rounds are led by the elective resident (supervised by Dr. Juurlink), and discuss interesting and instructive cases seen on the inpatient consult service over the previous weeks. The division also maintains an active teaching program with trainees in Critical Care.

Elective residents attend and present at Pharmacy Journal Club, and also attend Clinical Pharmacology Grand Rounds (Thursdays) and Toxicology Rounds (Fridays) at the Hospital for Sick Children. The latter are typically followed by 1.5 hours of toxicology-specific teaching.

Research:
Division members are actively involved in research on drug safety, funded by grants from CIHR and the Ontario Ministry of Health and Long Term Care. Other areas of research include drug utilization and cost-effectiveness analysis.

Future Plans:
Long-term plans include growth of the consult service and strengthening the educational experience of trainees. These would be best achieved by recruiting additional faculty with expertise in Clinical Pharmacology and a career focus in medical education. A secondary goal is the ongoing exposure of postgraduate trainees to the specialty and the opportunities within it. Over the past 5 years, several residents have opted to include Clinical Pharmacology as part of their subspecialty training, most often in combination with another specialty such as Geriatrics, Critical Care and Emergency Medicine.
Dermatology

The Division of Dermatology consists of three full-time members, two clinical associates and five 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.

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 and psoriasis have been pioneered in the clinics.

Future Plans:
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.
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. The Rapid Diabetes Assessment and Referral (RADAR) Clinic was established in 2012, and provides urgent care for patients with uncontrolled Diabetes Mellitus. We provide rapid turnaround glucose management for same-day surgery patients with diabetes on insulin. We do consultations to northerly and rural general practitioners, offered via Telemedicine Ontario.

We work closely with the Department of Family Practice to provide ambulatory patient care and education through the Sunnybrook Diabetes Education Program (SUNDEC) and special programs are provided for older patients, for people with PCOS and pre-diabetes, and for patients on an insulin pump. We have an Endocrine test centre in which we perform diagnostic testing, primarily for adrenal and pituitary problems.

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.

Education:

Staff from the Endocrine Division are 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. 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. Gilibert 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 which 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 of the CDA Clinical & Scientific section.

Dr. Lowe is involved in educational and research programs in Ethiopia, Guyana and Australia. She is the academic lead for the University of Toronto Division of Endocrinology in 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 South America.
Research

Our research focuses on diabetes mellitus and quality improvement (QI) initiatives. The division undertakes basic research into the genetics and immunology of Type 1 diabetes mellitus, management of diabetes in pregnancy, and health services in Epidemiology research in diabetes mellitus, through the Institute of Clinical Evaluative Sciences (ICES). In 2012 QI projects were conducted in process of care for thyroid nodule biopsy & gestational diabetes postpartum follow-up.

Recent Achievement

The Sunnybrook Endocrine Division continues to be highly rated for the training program for rotating Medical and Endocrine residents. Important publications from Endocrine Division staff in 2012 related to diabetes. Dr. Shah & Dr. Lowe co-authored (with others) a paper highlighting pre-eclampsia as a risk for diabetes *PLoS Medicine* 2013;10:e1001425 & Dr. Shah published research highlighting the different risks of cardiac complications for South Asian and Chinese patients with diabetes. *Diabetes Care* 2013 epub 1st May 2013

The Endocrine Division underwent an External Review in January 2012 and Dr. Lowe replaced Dr. Fettes as Head of Division in 2013. Plans to recruit an Endocrinologist with an interest in Quality Improvement for 2013 were successful & Dr. Halperin will start in July 2013. The Division is also going ahead with an Electronic Medical Record in 2013.
The Division of Gastroenterology consists of six full-time faculty members 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, therapeutic endoscopy, and endoscopic management of obesity. Nursing support is provided by a clinical nurse specialist with main interests in Hepatitis and IBD. Patient education and support and research.

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, pancreaticobiliary diseases, colorectal cancer screening and prevention palliative endoluminal stenting for malignant disease and balloon dilatation in Crohn’s disease. New endoscopic programs 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. The Division of Gastroenterology at Sunnybrook has one of the highest teaching rotation scores across the city, for gastroenterology. One member of the Division has a special interest in education of the public on medical matters; he has published the 3rd edition of his best-selling book, “Crohn’s disease and Ulcerative Colitis”, which is widely available.

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. One member has an ongoing study on the value of email in clinical practice, with a focus on self-management for patients with chronic diseases.

Recent Achievements:

Research funding:
- EUS utilization in Ontario. CIHR. **Drs. Tinmouth and Yong**
  Assessing quality of colonoscopy. Canadian Cancer Society, CCO. **Dr. Tinmouth**
- Assessing quality of colonoscopy. Canadian Cancer Society, CCO. **Dr. Tinmouth**
- Assessing incidence and prevention of esophageal adenocarcinoma in persons with gastroesophageal reflux. 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**
Leadership positions:
- University of Toronto GI Postgraduate Fellowship Director: Dr. E Yong
- Academy Director for Peters-Boyd Academy: Dr. MA Cooper
- Dr. Tinmouth as Clinical-Scientist Lead for CCO ColonCancerCheck
- Department Director for University of Toronto Gastroenterology: Dr. J. Allard
- Determinants of CommunityHealth 2 Research Lead for Peters-Boyd Academy: Dr. P. Tartaro

Future Plans include:
- 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 13 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 pioneered a medical short stay unit rotation for trainees. This eleven bed unit allows for rapid flow through the ER, and gives medical trainees a unique experience in independent medical ward management, under faculty supervision. Our researchers continue to publish high impact science in drug safety, medical education, health services research, and critical care science. Our clinical care models were recently the focus of a Harvard Business Review/New England Journal of Medicine Health Care Innovation blogpost. Dr. Ed Etchells and Dr. Graham Slaughter have recently been profiled by the Globe and Mail in their Health Care Web series.

Future Plans:
Our division continues to work with the hospital to improve the flow and quality care of patients admitted through the ER. We strive to produce high quality research in patient safety, health services delivery, drug safety, and medical education science.
The program underwent an external review last year and continues with the provision of “patient centred, easily accessible and well rated services” with “dedicated and hard working division members who go beyond their call of duty”. The Division has a “strong interprofessional team which is unparalleled in many jurisdictions in Canada” with “high work satisfaction” creating a “very positive learning environment while its members have consistently exceeded expectations in fulfilling their teaching mandate”.

The review suggested aligning with the hospital’s strategic priorities and phase 2 of the Proactive Geriatric Medicine Consultation Service Study was successfully initiated which has further enhanced the profile of the Geriatric Medicine Internal Consult team. The Division was also the recipient of a generous donation which will be used to develop a Geriatric Medicine educational scholarship further enhancing our educational profile.

Dr. Dov Gandell, who joined the Division last year, made an impressive debut by placing in the top 10 % of teachers amongst all University of Toronto Department of Medicine teachers, won the University of Toronto Division of Geriatric Medicine teaching award, published an article in the CMAJ and is helping to lead the Proactive Geriatric Medicine Trauma Consultation Service Study.

Dr. Liu, who is the RGP executive director, continues to head the Senior Friendly Initiative at Sunnybrook with strategies to improve mobility and reduce rates of delirium and has been successful in receiving major grants to promote these strategies provincially and nationally.

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 provides support to Geriatric Emergency Medicine nure as needed.

In addition to the Geriatric Trauma Consultation Service 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 enhanced and plans are in place to add telehealth. 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 notably Dr. Dov Gandell this year. 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, Dr. Barb Liu, is located at Sunnybrook as is the co-director for undergraduate education, Dr. Mireille Norris. 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. The study randomized more than 1500 patients and was completed this year. Our Proactive Geriatric Trauma Consultation Service study continued this year with the initiation of phase 2 whereby all seniors over 65 who are admitted under trauma are reviewed by the Geriatric Consult service. 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. As noted above, there is strong leadership in various educational venues.

Future Plans:
The division is looking to establish further linkages with programs where preliminary evidence suggests improved outcomes through such collaborations.
Clinical:
The division provides inpatient and outpatient consultations for the diagnosis, management, and prevention of infectious diseases. The interdisciplinary HIV Ambulatory Clinic provides assessment and treatment for HIV-related infectious diseases, and associated renal, endocrinology and nursing care, with social work counseling. There is a weekly divisional ambulatory care clinic (one-half day per week) for general infectious diseases. 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. Division members also serve as mentors for undergraduate medical students and for postgraduate trainees. A member of our Division was recently elected to the Education Committee of the Faculty Council, University of Toronto.

Research:
The division includes two Clinician Scientists, one of whom has a CIHR Clinician Scientist Phase 2 Award. 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, transmission of influenza and other respiratory viruses, 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 these investigations, the division has an impressive publication record in high impact peer-reviewed medical journals.

Recent Achievements:
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.

One member of the division is the co-Chair of the Ontario Advisory Committee on HIV/AIDS to the Minister of Health, has recently been appointed Chair of the Ontario HIV Treatment Network (OHTN-PHO) subcommittee, and has also become a Peer Assessor for the College of Physicians and Surgeons of Ontario.

Two divisional members co-supervised hospitals pharmacists who were successful in the past year in being awarded the First Annual John Conly Innovation Award of the Association of Medical Microbiology and Infectious Diseases (AMMI)-Canada.

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 two new physicians to the division.
Clinical:

Care is provided in a multidisciplinary outpatient setting with over 5,000 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 are introduced annually, 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 PYKN 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, OSCCD 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 postgraduate training as well as programs developed for Medical Oncology and Hematology residents nationwide; 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 Medical Oncology (Dr. Berry) and previously for Hematology (Dr. 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. The presence of the Women and Babies Program at the Sunnybrook Campus was fostered collaborative research with the Hematology program. The recruitment of two clinicians in quality improvement to our staff (Dr. Sonal Gandhi and Dr. Simron Singh), is helping to meet the goals of quality improvement both at the CCO level and within the hospital.

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. Our future goals include the development of a health technology assessment unit, a program in collaboration with Geriatrics, and greater collaboration with SRI with the recruitment of Dr. David Andrews.
Clinical:

Despite significant infrastructure challenges, our clinical program provides excellent care to our patients, both in hospital and within the community. Our newest initiatives involve the creation of a vascular access clinic wherein patients are seen in a single clinic visit by nephrology (Dr. Oliver) and a vascular surgeon. Within the next few months, a nurse run clinic dedicated to patient education will be launched to assist patients as they choose a dialysis modality.

In addition to local excellence with respect to quality care initiatives, 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 applies the data quality methods used in clinical trials to a web platform so dialysis programs can benchmark their respective practices against other programs. It is currently operating at a number of dialysis programs in and outside of Ontario allowing for programatic improvements from this shared knowledge. Data collected in the system continues to populate the peer-reviewed literature.

Education:

The division has a number of successful education initiatives. 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). It was recently expanded to create a separate website for transplant literature, Transplant Now (www.transplantnow.com). Medical Pearls (www.medicalpearls.com), also developed by Dr. Tanna, supplements resident education through daily questions to be addressed with the teaching staff. This initiative has also been expanded to include cardiology, endocrinology and rheumatology pearls.

Drs. Tanna and Zahirieh continue to co-ordinate Renal Week for the second year medical student MMMD course as well as the renal curriculum for the PGY1 and 2 core internal medicine half days. Our core rotation for medicine residents continues to rank highly. Clinical fellow satisfaction continues to improve and the vast majority of nephrology residents choose Sunnybrook Health Sciences Centre as the site to do their junior attending month.

Research:

All members of the division are actively conducting research. Dr. Tobe was awarded the prestigious Chair in Aboriginal Health from the Heart and Stroke Foundation. He is now splitting his time between Sunnybrook Health Sciences Centre and the Northern Ontario School of Medicine (NOSM), creating a new partnership between the University of Toronto and the northern communities. He continues to lead studies in hypertension as the head of CHEP (Canadian Hypertension Educational Program) as well as DREAM Global, which will utilize established HIV infrastructure to bring chronic disease management to the Third World. Dr. Hladunewich is the co-chair of the recruitment committee 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). She was also awarded a CIHR grant to conduct the first Canadian multicenter trial in glomerulonephritis. Dr. Naimark has a successful collaboration with the international Chronic Kidney Disease (CKD) consortium. As such our own homegrown clinical databases are now included in important high impact papers in the area of CKD progression.

Future Plans:

The program has worked tirelessly planning our next phase of growth. We are well into the planning stages now of our Kidney Health and Wellness Centre, which will be located at the adjacent CNIB building. In this new complex, we will house our home dialysis training facilities, ample clinic space for a multidisciplinary care model and 24 satellite HD stations. The stations that remain on site (15 stations) will be tailored to provide the best care to the elderly, our veterans and patients with complex chronic medical conditions.
The Neurology division has 14 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.

Clinical:
The division provides comprehensive care for patients with neurological disorders. The division includes the Rapid Response Stroke Team for hyperacute stroke, in addition to a number of subspecialty clinics, Motor Neuron Disease, Mild Cognitive Impairment and Memory Disorders, Neuro-oncology, Stroke, Stroke in pregnancy, CNS vasculitis, Sleep Neurology and Multiple Sclerosis. Members also provide laboratory services for Electromyography (EMG), Electroencephalopathy (EEG), Evoked Potentials (EP) and Sleep Studies.

Sunnybrook Health Sciences Centre was designated as the Regional Stroke Centre in 2001, which has brought opportunities and responsibilities for leadership in the North & East GTA. In 2011 a fully operational geographically defined stroke unit was opened and will be the catalyst for advances in pre-hospital care, acute stroke management, and a model laboratory for education and research embedded in care. In 2014 Dr. Karl Boyle was recruited from Cambridge UK to bring leadership to the inpatient stroke unit under a new MRP model. The Acute Stroke Team recently won one of the hospitals “Team” awards.

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.

Research:
Members are actively involved in Research. Feature research includes:
- Multiple Sclerosis clinical research
- Sleep Medicine research include basic sleep physiology integrated with molecular epidemiology and stroke outcome research.

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 Chair of the Sunnybrook Research Ethics Board.
- Dr. Liesly Lee – Received the Department of Medicine William Sibbald Mentorship Award.
- 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. Continues as Executive Director of the Toronto Dementia Research Alliance
- Dr. Andrew Lim – received the CIHR 2013 Maud Menten Prize for new Principal Investigators and the Wayne A Hening Sleep Medicine Investigator Award from the American Academy of Neurology.

Future Goals:
The Division of Neurology will remain active academic participants in the Brain Sciences Program which is currently searching for a new program chief. Recruitment plans include a stroke neurologist, two behavioural/cognitive neurologists, and a replacement teacher for a departing member.
The Division of Obstetrical Medicine within the Women and Babies Program is comprised of multiple sub-specialists with a strong educational or research interest in women’s health. This division enables the Department of Medicine to provide support to medically ill mothers while furthering the educational and research directives of the program. The goal of the Division of Obstetrical Medicine is to provide a service that aspires to clinical excellence with safe, collaborative multidisciplinary care. Presently, 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 and Nephrology have a busy combined clinic. A dedicated hypertension clinic has been initiated and is growing steadily improving care for a complex group of young women whose care was previously fragmented across the system.

Clinical Faculty:

Dr. Michelle Hladunewich – Director, Divisions of Obstetric Medicine and Nephrology (SHSC)
Dr. Anne McLeod – Division of Hematology (SHSC)
Drs. Jack Colman and Candice Silversides – 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)
Dr. Lawrence Cohen – Division of Gastroenterology (SHSC)
Drs. Ester Bui, (epilepsy), Brian Murray (sleep disorders) and Rick Swartz (stroke) – Division of Neurology (SHSC)
Drs. Jeremy Gilbert, Julia Lowe, Baiju Shah and Ivy Fettes – Division of Endocrinology (SHSC)

We welcome a new recruit, Ilana Halperin. She is cross-appointed to endocrinology as well as obstetrical medicine. With training in safety and quality, her specialized skill set will benefit both the endocrinology and hypertension clinics.

Research

The division now supports a full time research coordinator. Members are participating in numerous multicenter trials in thromboembolism, hypertension and diabetes (PROSPECT, CHIPS, CONCEPT and MITY). However, the division has now obtained funding for their first CIHR-funded trial entitled MARIGOLD. This study, headed by Dr. Baiju Shah, aims to assess the microvascular complications associated with gestational diabetes, which is an ever growing health concern.
Rehabilitation Medicine

The Division of Rehabilitation Medicine has one full-time and a number of part-time physicians (Physiatrists) who treat injuries or illnesses that affect how you move. By taking the whole body into account, they are able to accurately pinpoint problems and enhance performance - without surgery. Additional clinical associates have been appointed with a role to enhance inpatient consultations and provide inpatient consultation service at St. John’s Rehabilitation.

Clinical:

Members provide consultation for long-term care as well as orthopaedic, neurology, family practice and rheumatology. The division also provides clinical care management in Sunnybrook Centre for Independent Living (SCIL). Several outpatient programs have been established which include Head Injury, Spasticity Management, Spinal Cord, Complimentary and Alternative Medicine, Amputee Management, Foot Care Management, Orthotics Care, Sports Injury Management, Complex chronic disease management, Integrated care management and ALS Management. Several members of our division are actively engaged in providing diagnostic EMG/Nerve Conduction services to the hospital. The division has established links with St. John’s Rehab and Toronto Rehab.

In 2012, Dr. Berbrayer was appointed to the Performance Metrics Committee (a sub-committee of the evidence based committee of the American Academy of Physical Medicine and Rehabilitation (AAPMR) as well as PCPI representative (one of two AAPMR members). He was appointed editor of Knowledge Now of PMR (journal of AAPMR) and was asked by AAPMR to review research papers as well as abstracts for CAPMR at their annual meeting. He also reviewed several abstracts which were selected for the annual AAPMR meeting in Atlanta Georgia. Dr. Berbrayer also reviewed several papers for Family Practice Journal, Spinal Cord, PMR, Journal of Rehabilitation Medicine. He worked with the specialty committee of PM&R to examine underserving of Physiatry across Canada. Dr. Berbrayer has been appointed a member of the Annual Scientific Planning Committee of CAPM&R for their meeting to be held St. John’s Newfoundland June 2014.

Education:

The division is actively involved in undergraduate training, postgraduate training as well as participating in fellowship training. Two formal fellowships were developed by Dr. Berbrayer for Sunnybrook Rehabilitation Medicine and advertised on the University of Toronto website - Amputee Care Across the Continuum and Rehabilitation Management in Acute Care. In collaboration with the University of Toronto, a fellow from University of Montreal will be rotating in amputee care in 2014. Members of the division are involved in undergraduate teaching at the U of T such as ASCM-1, DOCH-2, Pain Week University of Toronto Year 2, Clerkship Year 3 and Transition to Residency Year 4. Students also spend time rotating throughout the division from other universities. Occupational Medicine Residents from St. Michaels Hospital rotate under Dr. Berbrayer as part of their core curriculum.

In 2012, Dr. Berbrayer was appointed a member of the Educational Task Force of the Association of Academic Physiatrists and is the current CPD chair of CAPMR and Chair of Education of CAPMR. He was appointed Chair of the Pediatric section of CAPM&R in 2013 and is responsible for education across Canada. Dr. Berbrayer participated in a medical student contest at Cleveland Clinic as an adjudicator and he also serves as a mentor for undergraduate students both in Toronto as well as at the American Academy of Physical Medicine and Rehabilitation (AAPM&R).
Recent Achievements:

The division has recorded a number of achievements over the past year:

- Dr. Berbrayer received a 25 year service recognition award from Sunnybrook Health Sciences Centre
- A Spasticity Clinic was established and the division received further funding from Allergan for Spasticity research
- Physiatry Educational Rounds is now webcasted and is a part of core teaching at the UofT Division of Physiatry.
- Dr. Berbrayer received the 2012 Scholarship in Teaching Award that recognizes reviewers for making a positive impact on medical education and for being a part of the School of Medicine’s legacy of educational excellence.
- Dr. Berbrayer received a 25 Year Service Award the American Academy of Physical Medicine and Rehabilitation, United States. (Distinction)
- Dr. Berbrayer received a Certificate of Appreciation from the editor-in-chief Dr. Stuart Weinstein, PM&R journal, in recognition of long term service and continuing service as peer reviewer for the PM&R journal.

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 the 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.
The Division of Respirology 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:**

While our divisional name has changed, the Division of Respirology continues to be leaders in high level, funded, research in COPD and asthma with numerous publications in high impact journals. One of our research faculty co-authored a Ministry of Health document on evidenced based best practices for hospitalized patients with COPD. This document will be use by the Ministry of Health to guide performance based resource allocation in future funding models. Meanwhile, the respirology rotation at Sunnybrook remains highly sought after and our teachers remain among the highest rated in the city. The newly formed pleural procedure based clinic (EPIC clinic) at the Odette Cancer Centre is fully operational and has shown to improve quality of care, reduce inpatient stay, and substantially reduce costs.

**Future Plans:**

With the success of the EPIC clinic and the talents of our clinician scientist faculty, the Division of Respirology will be looking at other ways that patients with respiratory conditions can be best managed safely and effectively outside the acute care hospital setting. Areas of potential development include the use of injectible biologic agents that block inflammatory mediators in severe asthma. We will also continue to develop our use of e-technologies and social media in clinical care and education. Finally, we will engage with Provincial health care authorities to develop best practices with respect to the use of low dose CT for lung cancer screening.
Clinical:

The Division provides rheumatologic services to both the immediate catchment area and also communities underserved by rheumatologists. There are ongoing partnerships with the Arthritis Society Client Services team allowing for comprehensive management of rheumatic disease patients. We collaborate with high risk obstetrical units to care for pregnant women with rheumatic diseases.

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, and research in innovative methods of delivering MSK education. Both peer-review and contract research is performed within the division.

Quality and Innovation:

Several ongoing projects are led by individual division members, with others as active participants. They range from small local initiatives to a major national campaign.

Recent Achievements:

Dr. Sharron Sandhu will join the division in the next academic year as a full-time member after completing post-fellowship training in maternal rheumatology and education.
# APPENDIX I: LIST OF FACULTY

July 1, 2012 to June 30, 2013

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A special thanks to Arnold Alfonso and the rest of 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: 107  
Number of Clinician Teachers: 42  
Number of Clinician Educators: 11  
Number of Clinician Investigators: 25  
Number of Clinician Scientists: 24  
Number of Clinician Administrators: 3  
Number of Clinicians in Quality and Innovation: 2

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**Grants, Contracts and Clinical Trials**

**Peer-Reviewed Funding**

Division Member is Principal Investigator:

1. **Crystal, Eugene.** Aid for determination of medical device position and orientation from a single two-dimensional image. Normand Robert PhD, Graham Wright PhD: Mars Innovations. Proof of Principal. ($50,000 Sep 2011 - Aug 2012, Prorated Amount: $8,333) [Grant]

2. **Ko, Dennis.** Assessing the Appropriateness of Coronary Revascularization for Patients with Coronary Artery Disease. David Alter, Peter Austin, Therese Stukel, Jack Tu, Harindra Wijeysundera: Canadian Institutes of Health Research. Health Services Evaluation & Interventions Research. ($455,118 Jan 2010 - Mar 2013, Prorated Amount: $105,027) [Grant]

3. **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). David Alter, Peter Austin, Warren Cantor, Asim Cheema, Michael Chu, Stephen Frenses, Madhu Natarajan, Mark Peterson, Marc Ruel, Therese Stukel, Jack Tu, Harindra Wijeysundera: Heart and Stroke Foundation of Canada. ($331,058 Jul 2012 - Jun 2015, Prorated Amount: $110,353) [Grant]


5. **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 - Jul 2012, Prorated Amount: $2,083) [Grant]


9. **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: Innovation Funds. ($80,961 Jun 2012 - May 2014, Prorated Amount: $40,481) [Grant]


11. **Wijeysundera, Harindra.** Evaluating Therapeutic Decision-Making, Outcomes and Resource Utilization in Chronic Stable Angina: an interprovincial population-based study. AUSTIN, Peter C; GHALI, William A; HOCH, Jeffrey S; KNUDTSON, Merril L; KO, Dennis T.; NORRIS, Colleen; TU, Jack V: Canadian Institutes of Health Research (CIHR). Operating Grant. ($221,999 Oct 2012 - Sep 2015, Prorated Amount: $55,500) [Grant]

**Other Peer-Reviewed Funding**

1. **Crystal, Eugene.** Atrial Fibrillation Fish Oil Research Study. Canadian Institutes of Health Research (CIHR). (Jul 2009 – present) [Clinical Trial]


4. **Crystal, Eugene.** T wave alternans severity assessment in cardiomyopathy (TASC). V Chauhan, Crean A, Lee, D,
Andrew Y, Wright G, Crystal E, Pinter A: AFP innovation fund. (Jul 2010 - Jul 2012) [Grant]


11. Leber, Alexander. EVINCI Trial. EU frame work 7 program. (38,000 EUR 2010 -2012, Prorated Amount: $6,333 EUR) [Grant]

12. Madan, Minakshi. CAIN-003 study. Dr. Eric Cohen: Canadian Institutes of Health Research (CIHR). ($44,595 CAD Jan 2011 - present, Prorated Amount: $6,370 CAD) [Clinical Trial]


20. Tu, Jack. CANadian NEtwork and Centre for Trials Internationally (CANCESTCN). Canadian Institutes of Health Research (CIHR). ($9,582,529 CAD Apr 2008 - Mar 2013, Prorated Amount: $1,437,379 CAD) [Grant]

21. Tu, Jack. CANadian NEtwork and Centre for Trials Internationally (CANCESTCN). University of Toronto. Canadian Foundation Innovation Infrastructure funds HHSC. ($6,000,000 CAD Apr 2008 - Mar 2013, Prorated Amount: $900,000 CAD) [Grant]

($4,302,750 CAD Jan 2013 - Dec 2016, Prorated Amount: $537,843 CAD) [Grant]


33. **Wijeysundera, Harindra.** Assessing the Appropriateness of Coronary Revascularization for Patients with Coronary Artery Disease. Ko, Dennis T, David Alter, Peter Austin, Therese Stukel, Jack Tu, Harindra Wijeysundera: Canadian Institutes of Health Research (CIHR). Operating Grant. ($455,118 CAD Jan 2010 - Mar 2013, Prorated Amount: $105,027 CAD) [Grant]

34. **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. Division of Cardiology Collaborative Initiative. ($60,000 CAD Jul 2011 - Jul 2013, Prorated Amount: $28,800 CAD) [Grant]


Non-Peer-Reviewed Funding

1. Hansen, Mark Silvin. Comparison of the Hemodynamic Performance of the CoreValve and Edwards Valve for the Treatment of Severe Aortic Stenosis. Pibarot, Phillippe: Canadian Heart and Stroke Foundation. (Via University de Laval). ($10,000 CAD Jul 2010 - Dec 2012, Prorated Amount: $2,000 CAD) [Clinical Trial]


5. Lashevsksy, Ilan. Prolonged Monitoring to Detect Ventricular Arrhythmia in Presymptomatic ARVC Patients - the PREPARE study. Krahn Andrew, Electrophysiology sites through Canada: St. Jude Medical Clinical Studies. (Sep 2010 - Sep 2016) [Clinical Trial]

6. Lashevsksy, Ilan. The TU study. Lashevsksy Ilan, Dr. V. Chauhan, EP service, Toronto General Hospital: no funding requested. (Jul 2012 – 2014) [Clinical Trial]

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


9. Madan, Minakshi. EVITA. Investigator initiated project/ Pfizer USA. ($639,000 CAD May 2009 - present, Prorated Amount: $31,950 CAD) [Clinical Trial]

10. Madan, Minakshi. EXCEL trial. Dr. Greg Stone and others: Abbott Vascular. ($6,000 CAD Dec 2012 - present, Prorated Amount: $6,000 CAD) [Clinical Trial]

11. Madan, Minakshi. EXPLORE study. Dr. B Strauss: Abbott Vascular, Belgium. ($12,000 CAD Jan 2011 - present, Prorated Amount: $4,364 CAD) [Clinical Trial]


13. Madan, Minakshi. SIGNIFY. Dr. S. Radhakrishnan: Servier Canada Inc. ($11,641 CAD Sep 2010 - present, Prorated Amount: $3,776 CAD) [Clinical Trial]

14. Madan, Minakshi. TAILOR PCI. Dr. Naveen Pereira: Mayo Clinic. Grant from Mayo Clinic Center for Personalized Medicine. ($190,000 CAD Jan 2013 - Jun 2015, Prorated Amount: $38,000 CAD) [Clinical Trial]


17. Pang, Jeffrey. FREEDOM: Optimal management of multivessel disease to evaluate whether PCI with DES is more or less effective than CABG. NIH. (2007 – 2012) [Clinical Trial]

18. Pang, Jeffrey. RIVAL Study. Jolly, Sanjit S. (Mar 2010 - Dec 2012) [Clinical Trial]

19. Pang, Jeffrey. TRACER. Madan, Mina: SPRIL. (2009 – 2012) [Clinical Trial]

20. Singh, Sheldon. Development of a standardized data collection system for ambulatory patients referred for atrial fibrillation management: A city-wide collaboration of the University of Toronto teaching hospitals. Ha, Andrew, Mangat, Iqwal: University of Toronto Division of Cardiology. Division of Cardiology Collaborative Innovation and Research. ($60,000
CAD Jan 2012 - present, Prorated Amount: $30,000 CAD) [Grant]


Publications

Peer-Reviewed Publications

Journal Articles


31. Healey, Jeffrey; Gula, Lorne; Birnie, David; Sterns, Laurence; Connolly, Stuart; Sapp, John; Crystal, Eugene; Simpson, Chris; Exner, Derek; Kus, Teresa; Philippin, François; Wells, George; Tang, Anthony. A Randomized-Controlled Pilot Study Comparing ICD Implantation with and without Intra-Operative Defibrillation Testing in Patients with Heart Failure and Severe Left Ventricular Dysfunction: A Sub-Study of the RAFT Trial. J Cardiovasc Electrophysiology. 2012 Jul 1.


Case Reports


2. Gandhi S, Myers RBH. Radiation-induced CAD - Can PTH be used as a biomarker for CHF? Heart Failure Review. 2012; Canada.


Abstracts


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), University of Toronto, Ontario Canada. (Innovation, Specialty: Cardiology). 2011 Nov – present. *Awarded for the development of an online echo-case based teaching tool for the Cardiology Trainees. Annual Amount: $60,000.00 CAD.*

2. **Morgan, Christopher David.** Leo N. Steven Excellence in Leadership Award, Sunnybrook Health Sciences Centre. (Leadership Award). 2012 Jul – 2013 Jun *Awarded by the Hospital and Board of Directors to recognize extraordinary leadership.*

3. **Strauss, Bradley.** Sunnybrook Department of Medicine Senior Investigator Award, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada. (Distinction). 2012 November.

Teaching Awards

Received

1. **Ahmed, Shaheeda.** 2013 Sunnybrook Department of Medicine Ambulatory Teaching Award, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada.
### DIVISION OF DERMATOLOGY

Number of Faculty: 3

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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:


Other Peer-Reviewed Funding


Non-Peer-Reviewed Funding


Publications

Peer-Reviewed Publications

Journal Articles


Honours and Awards

International

Distinctions and Research Awards

Received

1. Shear, Neil. Visiting Professor, Einstein/Montefiore Department of Medicine, United States. 2013.

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

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


5. Shear, Neil. Visiting Professor, Cardiff University, Canada. 2012.


National

Distinctions and Research Awards

Received

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

Teaching Awards

Received

1. Walsh, Scott. Resident and Fellows Section (CDA-RFS) Excellence in Clinical Teaching Staff Award, Faculty of Medicine, Canadian Dermatology Association. 2012.

Provincial/Regional

Distinctions and Research Awards

Received


Local

Teaching Awards

Received

1. Walsh, Scott. Bernice Rose Krafchik Teaching Award, Dermatology, Dept of Medicine, Faculty of Medicine, University of Toronto. 2013.

Unspecified Geographical Scope

Distinctions and Research Awards

Received

1. Shear, Neil. Presidential Citation, American Academy of Dermatology, United States. 2013

2. In recognition of contributions to the Medical Student Core Curriculum.


## Grants

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Grants, Contracts and Clinical Trials

Peer-Reviewed Funding

Division Member is Principal Investigator:

1. **Shah, Baiju R.** Microalbuminuria and Retinopathy in Gestational Diabetes: The MARIGOLD Study. *Canadian Institutes of Health Research (CIHR)*. ($100,000 CAD Mar 2013 – Feb 2014, Prorated Amount: $33,333 CAD) [Grant]

2. **Shah, Baiju R.** nRAPid Diabetes Assessment and Referral (RADAR) Clinic. Sunnybrook Health Sciences Centre Ambulatory Services Pilot Project. ($85,000 CAD Oct 2011 - Sep 2013, Prorated Amount: $42,500 CAD) [Grant]


Other Peer-Reviewed Funding

1. **Lowe, Julia.** Continuous Glucose Monitoring in Women with Type 1 Diabetes in Pregnancy Trial. Feig, Denice: *JDRF*. (Mar 2011 - Mar 2016) [Clinical Trial]


3. **Lowe, Julia.** MiTy Kids. Feig D: *Canadian Institutes of Health Research (CIHR)*. (Oct 2012 - Jun 2017) [Grant]

4. **Lowe, Julia.** MiTy trial (Metformin in Women with Type 2 Diabetes in pregnancy). Feig D: *Canadian Institutes of Health Research (CIHR)*. ($1,700,000 CAD Jun 2010 - Jun 2015, Prorated Amount: $334,426 CAD) [Grant]

5. **Lowe, Julia.** nRAPid Diabetes Assessment and Referral (RADAR) Clinic. Shah, Baiju, Dr. Ivy Fettes, Dr. Jay Silverberg, Dr. Jeremy Gilbert: *AHSC AFP*. ($72,000 CAD Jan 2012 - Dec 2012, Prorated Amount: $36,000 CAD) [Clinical Trial]

6. **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. Wolever, Thomas; Barre, Ed; Darling, Pauline; Lowe, Julia; El-Sohemy Ahmed; Feig Denice; Josse Robert; Luthra, Meera; O’Connor Deborah; Ray, Joel, Thorpe, Kevin: *Canadian Institutes of Health Research (CIHR)*. ($229,876 CAD Jul 2011 - Jun 2014, Prorated Amount: $76,625 CAD) [Grant]


11. **Shah, Baiju R.** South Asian Heart Risk Assessment (SAHARA) Project. Anand, Sonia: *Heart and Stroke Foundation of Canada (HSFC)*. Grant in Aid. ($140,000 CAD Sep 2010 - Aug 2012, Prorated Amount: $11,666 CAD) [Grant]


13. **Shah, Baiju R.** START- SouTh Asian biRth cohorT. Anand, Sonia: *Heart and Stroke Foundation of Canada (HSFC)*. ($375,000 CAD Apr 2011 - Mar 2014, Prorated Amount: $125,000 CAD) [Grant]

Health Research. Team Grant. ($375,000 CAD Apr 2011 - Oct 2014, Prorated Amount: $97,259 CAD) [Grant]

Publications

Peer-Reviewed Publications

Journal Articles


Case Reports


Abstracts


Honours and Awards

Local

Teaching Awards

Received

1. Gilbert, Jeremy. 2013 Sunnybrook Department of Medicine Continuing Education Teaching Award, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada.
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 CAD Feb 2011 - Jan 2014, Prorated Amount: $62,253 CAD) [Grant]

Other Peer-Reviewed Funding

1. **Bernstein, Michael.** A Phase 2A, Randomized, Double-blind, Sponsor Unblinded, Placebo-Controlled, Multiple Dose Study to Evaluate the Pharmacodynamics, Pharmacokinetics and Safety of Anrukinzumab in Patients with Active Ulcerative Colitis. (Nov 2011 - Nov 2012) [Industrial Grant]

2. **Bernstein, Michael.** Dynamic city-wide audit of Gl quality indicators of care among University of Toronto-affiliated hospitals. Nguyen, Geoff; Maria Cino, Adam Weizman, Jan Irvine, Florence Wong: University of Toronto. Strategic Planning Innovation Fund. ($30,000 CAD Jan 2013, Prorated Amount: $30,000 CAD) [Grant]


4. **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 CAD Apr 2007 - present, Prorated Amount: $149 CAD) [Grant]

5. **Sabil, Fred.** Polyp prevention trial extension studies (DNA methylation; thromboxane B2, others). Dr. L. Cohen: NCI (USA). ($24,494 USD 1995 - present, Prorated Amount: $1,306 USD) [Grant]

6. **Sabil, 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 CAD Mar 2010 - present, Prorated Amount: $11,163 CAD) [Grant]


Non-Peer-Reviewed Funding

1. **Bernstein, Michael.** A randomized, double-blind, placebo controlled, parallel-group, multi-centre study to investigate the safety and efficacy of CP-690,550 for induction therapy in subjects with moderate to severe crohn's disease (protocol.: A3921083). Pfizer. ($3,997 CAD Feb 2012 – present, Prorated Amount: $2,460 CAD) [Industrial Grant]

2. **Bernstein, Michael.** A randomized, double-blind, placebo controlled, parallel-group, multi-centre study to investigate the safety and efficacy of CP-690,550 for induction therapy in subjects with moderate to severe crohn's disease (protocol.: A3921084). Pfizer. ($3,997 CAD Jun 2012 – present, Prorated Amount: $3,553 CAD) [Industrial Grant]

3. **Bernstein, Michael.** A phase 3, Randomized, double-bling, Placebo-controlled Parallel-group. Multicenter study to evaluate the safety and efficacy of Ustekinumab Induction Therapy in subjects with moderately to severely active Crohn's disease who have fail or are intolerant to TNF antagonist therapy: UNITI-1 (protocol no.:CNTO1275CRD3001). Janssen R & D. ($4,087 CAD Apr 2012 – present, Prorated Amount: $2,972 CAD) [Industrial Grant]

4. **Bernstein, Michael.** A phase 3, Randomized, double-bling, Placebo-controlled Parallel-group. Multicenter study to evaluate the safety and efficacy of Ustekinumab Induction Therapy in subjects with moderately to severely active Crohn's disease who have fail or are intolerant to TNF antagonist therapy:
UNITI-2 (protocol no.:CNT01275CRD3002), Janssen R & D. ($4,087 CAD Apr 2012 – present, Prorated Amount: $2,972 CAD) [Industrial Grant]

5. Bernstein, Michael. A phase 3, Randomized, double-blind, Placebo-controlled Parallel-group. Multicenter study to evaluate the safety and efficacy of Ustekinumab Induction Therapy in subjects with moderately to severely active Crohn’s disease who have failed or are intolerant to TNF antagonist therapy: IMUNITI (protocol no.:CNT01275CRD3003). Janssen R & D. ($4,087 CAD Jun 2012 – present, Prorated Amount: $3,633 CAD) [Industrial Grant]


7. 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]

8. Cohen, Lawrence B. A Randomized Double Blind Placebo Controlled Parallel Group Multi-Centre Study to Investigate the Safety and Efficacy of CP-690, 550 for induction therapy in Subjects with Moderate to Severe Crohn’s disease (Protocol no: A3921084). Pfizer Canada Inc. ($3,997 CAD Feb 2012 – present, Prorated Amount: $2,821 CAD) [Clinical Trial]

9. Cohen, Lawrence B. A Randomized Double Blind Placebo Controlled Parallel Group Multi-Centre Study to Investigate the Safety and Efficacy of CP-690, 550 for maintenance therapy in subjects with Moderate to Severe Crohn’s disease (Protocol no: 3921084). Pfizer Canada Inc. ($3,997 CAD Jun 2012 – present, Prorated Amount: $3,690 CAD) [Industrial Grant]

10. Cohen, Lawrence B. A Phase 3, Randomized Double Blind, Placebo controlled Parallel group Multi-center study to evaluate the Safety and Efficacy of Ustekinumab Induction therapy in Subjects with Moderately to Severely active Crohn’s disease who have failed or are intolerant to TNF Antagonist Therapy UNITI-1 (Protocol no: CNT01275CRD3001). Janssen R&D. ($4,087 CAD Apr 2012 – present, Prorated Amount: $3,270 CAD) [Industrial Grant]


15. Cohen, Lawrence B. PURSUIT Trial (Induction Phase). Saibil, Fred: Centocor Inc. ($23,782 CAD Apr 2008 – present, Prorated Amount: $4,324 CAD) [Industrial Grant]

16. Cohen, Lawrence B. PURSUIT Trial (Maintenance Phase). Saibil, Fred: Centocor Inc. ($38,528 CAD Apr 2008 – present, Prorated Amount: $7,005 CAD) [Industrial Grant]


($457,427 CAD Jan 2011 – Dec 2013, Prorated Amount: $152,476 CAD) [Contract]


Publications

Peer-Reviewed Publications

Journal Articles


Honours and Awards

Local

Teaching Awards

Received

1. Cooper, Mary Anne. Outstanding Contribution by a Faculty Member, Peters-Boyd Academy Teaching Award, Faculty of Medicine, University of Toronto, Canada. 2013 – 2013
Number of Faculty: 12

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Grants, Contracts and Clinical Trials

Peer-Reviewed Funding

Division Member is Principal Investigator:


3. Fowler, Robert. A Pilot Study to Ascertain the use of Intensive Care Units (ICU’s) as an Option for the Surveillance of Severe Respiratory Illness (SRI) in Canada. Public Health Agency of Canada (PHAC). ($197,068 CAD 2013 - 2014, Prorated Amount: $49,267 CAD) [Grant]


9. Juurlink, David N. Take a Minute: Developing an online community of practice and tools to disseminate research evidence on opioid analgesics. Canadian Institutes of Health Research (CIHR). ($24,664 CAD Mar 2013 - Feb 2014, Prorated Amount: $8,221 CAD) [Grant]

10. Kuper, Ayelet. Teaching the Intrinsic CanMEDS Roles: Broadening the Curriculum Beyond Bioscience Kuper, Ayelet, Jeanette Goguen, Martin Schreiber, Lisa Richardson, Cynthia Whitehead, Ross Upshur: Department of Medicine, University of Toronto. DOM Educational Scholarship and Research Grants. ($21,006 CAD Jan 2013 - Dec 2013, Prorated Amount: $10,503 CAD) [Grant]

11. Najeeb, Umberin. Study the impact of novel mentorship program on integration of IMG residents into their residency training Dr. Umberin Najeeb, Dr. Brian Wong, Dr. Lynfa Stroud, Dr. Lisa Richardson, Dr. Heather McDonald Blumer, Dr. Ayelet Kuper: University of Toronto: Department of Medicine Scholarship & Research Grant. ($10,389 CAD Dec 2012 - Dec 2013, Prorated Amount: $5,594 CAD) [Grant]

12. Redelmeier, Donald A. A New Model for General Internal Medicine Teaching Units. Redelmeier, Don, Shadowitz S, Etchells E: Alternative Funding Plan. Innovation Fund. ($90,000 CAD 2011 - 2013, Prorated Amount: $30,000 CAD) [Grant]


14. Redelmeier, Donald A. Symptomatic Thrombosis and Occlusions after Reproductive Kindling (STORK) Redelmeier, Donald, Laskin C, Librach C, Udell J: Canadian Institutes of Health Research (CIHR). ($100,000 CAD 2012 - 2014, Prorated Amount: $33,333 CAD) [Grant]


**Other Peer-Reviewed Funding:**


5. **Fowler, Robert.** Evaluation of a novel cardiopulmonary resuscitation (CPR) video decision aid to promote shared decision-making. Kryworuchko, Jennifer: *Heart and Stroke Foundation of Canada (HSF)*. ($65,376 CAD 2012 - 2014, Prorated Amount: $21,792 CAD) [Grant]


10. **Fowler, Robert.** Understanding Long-Term Mechanical Ventilation in Canada: A Programmatic Approach. AMIN, Reshma; MAWDSLEY, Cathy; FAN, Eddy; FOWLER, Robert A; FRASER, Ian M; GOLDSTEIN, Roger S; KATZ, Sherri L; KING, Judith A; LEASA, David J; MCKIM, Douglas; NONOYAMA, Mika L; ROAD, Jeremy D; RUBENFELD, Gordon: *Canadian Institutes of Health Research (CIHR)*. ($349,863 CAD Apr 2011 - Mar 2014, Prorated Amount: $116,621 CAD) [Grant]


16. **Kuper, Ayelet.** A pathway to caring – Introducing a multiple narrative approach to the undergraduate medical curriculum. Locke, Kenneth; Pier Bryden, Ayelet Kuper, Joyce Nyhof-
Young, Allan Peterkin, Michael Roberts, Debra Harner, Jonathan Fuller, Jesse Kaner: Associated Medical Services. AMS Phoenix Call to Caring Grants. ($40,000 CAD Nov 2012 - Oct 2013, Prorated Amount: $26,666 CAD) [Grant]


21. Kuper, Ayelet. The impact of a novel mentorship program on the integration of IMGs into their residency training. Najeeb, Umberin, Ayelet Kuper, Brian Wong, Lynfa Stroud, Heather McDonald-Blumer, Lisa Richardson, Khalil Sivjee: Department of Medicine, University of Toronto. DOM Educational Scholarship and Research Grants. ($10,398 CAD Jan 2013 - Dec 2013, Prorated Amount: $5,199 CAD) [Grant]

22. Najeeb, Umberin. Supporting International Medical Graduates throughout Residency: Moving Beyond Orientations. Dr. Khalil Sivjee, Brian Wong, Lynfa Stroud, Susan Edwards, Ayelet Kuper: University of Toronto: EDF. Education Development Fund (EDF). ($9,600 CAD Apr 2010 - present, Prorated Amount: $2,778 CAD) [Grant]


24. Redelmeier, Donald A. Fellowship Award for Jay Udell. Udell JA: Canadian Institutes of Health Research (CIHR). ($165,000 CAD Jul 2010 - Jun 2013, Prorated Amount: $55,000 CAD) [Grant]

25. Redelmeier, Donald A. Organ Donation after Brain Death in Ontario. Redelmeier, Don and Scales, Damon, Markel F: Trillium Gift of Life Network (Ontario). ($90,000 CAD 2011 - 2013, Prorated Amount: $30,000 CAD) [Grant]

26. Redelmeier, Donald A. 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 CAD Dec 2009 - Nov 2015, Prorated Amount: $167,000 CAD) [Grant]


29. Stroud, Lynfa. Numbers and Narratives: Examining the effects of two-types of structured feedback on internal medicine residents’ recall and subsequent generation of learning goals after feedback. Stroud L, Cavalcanti R, Sibbald M, McDonald-Blumer H, Brydges R, Eva K: Department of Medicine, Faculty of Medicine, University of Toronto. Educational Scholarship & Research Grant. ($10,086 CAD Jan 2013 - Dec 2013, Prorated Amount: $5,043 CAD) [Grant]

30. Stroud, Lynfa. Piloting a research protocol and building key informant networks for a scoping review on training and practice models for invasive bedside procedures performed by interns. Brydges R, Stroud L, Wong B, Hatala R, Englesakis M, Imrie K, Holmboe E: Department of Medicine, Faculty of Medicine, University of Toronto. Educational Scholarship & Research Grant. ($9,215 CAD Jan 2013 - Dec 2013, Prorated Amount: $4,607 CAD) [Grant]

32. **Stroud, Lynfa.** Towards contextualized performance assessments: The importance and influence of environmental factors on evaluation. *Stroud L, Ginsburg S, McIroy J, Bryden P, McKnight D: Department of Medicine, Faculty of Medicine, University of Toronto. Medical Education Research Grant. ($32,870 CAD Jul 2010 - Dec 2012, Prorated Amount: $6,574 CAD) [Grant]


34. **Wong, Brian.** A Virtual Ward to Reduce Re-admissions After Hospital Discharge. *Dhalla, Irfan (overall study PI), Rajin Mehta (Sunnybrook Lead), Chaim Bell, Wee-Shian Chan, Steven Hwang, Ophyr Mourad, Steven Shadowitz, Brian Wong: Alternate Funding Plan. Innovation Fund (Multi-site request). ($91,800 CAD Jan 2010 - Dec 2012, Prorated Amount: $15,300 CAD) [Grant]


36. **Wong, Brian.** Development and Evaluation of a Clinical Messaging System for Interprofessional Team-Based Care in the Outpatient Setting. *Rob Wu, Amna Husain, Trevor Jamieson, Irfan Dhalla, Dante Morra, Tara O’Brien, Brian Wong, David Frost, Lydia Lee, Joe Cafazzo, Nancy Martin-Ronson, Sherman Quan, Jennifer Stinson: Department of Medicine and Department of Family and Community Medicine. BRIDGES (Building Bridges to Integrate Care). ($201,377 CAD Jan 2012 - Mar 2013, Prorated Amount: $120,826 CAD) [Grant]


38. **Wong, Brian.** Integrating a focus on quality of care into a longitudinal ambulatory care rotation. *Matlow, Anne, Tina Borschel, Brian M. Wong, Heather McDonald-Blumer: University of Toronto. Education Development Fund for Innovation in Education. ($10,275 CAD Jul 2012 - Jun 2013, Prorated Amount: $10,275 CAD) [Grant]

39. **Wong, Brian.** Piloting a research protocol and building key informant networks for a scoping review on training and practice models for invasive bedside procedures performed by internists. *Brydges, Ryan, Lynfa Stroud, Brian M. Wong, Kevin Imrie, Rose Hatala, Eric Holmboe, Marina Englesakis: University of Toronto. Dept. of Medicine Educational Scholarship & Research Grant. ($9,215 CAD Jan 2013 - Dec 2013, Prorated Amount: $4,607 CAD) [Grant]

40. **Wong, Brian.** Study the impact of novel mentorship program on the integration of IMGs into their residency training. *Najeeb, Umberin, Ayelet Kuper, Brian M. Wong, Lynfa Stroud, Heather McDonald-Blumer, Lisa Richardson, Khalil Sivjee: University of Toronto. Dept. of Medicine Educational Scholarship & Research Grant. ($10,398 CAD Jan 2013 - Dec 2013, Prorated Amount: $5,199 CAD) [Grant]

41. **Wong, Brian.** Teaching medical error disclosure skills to postgraduate internal medicine, surgery and pediatrics trainees. *Stroud, Lynfa and Wong, Brian, Matreiya Coffey, Guisseppe Papia, Markku Nousiainen, Adelle Atkinson, Heather McDonald-Blumer, Anne Matlow, Wendy Levinson: Royal College of Physicians and Surgeons of Canada (The). AMS/CanMEDS Research and Development Grant. ($24,803 CAD Jul 2012 - Dec 2014, Prorated Amount: $9,921 CAD) [Grant]

**Publications**

**Peer-Reviewed Publications**

**Journal Articles**


45. Paterson JM, Mamdani MM, Manno M, Juurlink D, for the Canadian Drug Safety and Effectiveness Research Network (CDsERN). Fluoroquinolone therapy and idiosyncratic acute


59. Redelmeier DA. The exposure crossover design is a new method for studying sustained changes in recurrent events. Journal of Clinical Epidemiology. 2013 Jul 11; [Epub ahead of print].


78. Wu RC, Tzanetos K, Morra D, Quan SD, **Wong BM**. Educational impact of using smartphones for clinical communication on general medicine: more global, less local. Journal of Hospital Medicine. 2013 May; [Epub ahead of print].

79. Young JW, **Juurlink DN**. Tramadol. CMAJ. 2013 May; 185(8): E352.

**Letters to Editor**


**Honours and Awards**

**International**

**Distinctions and Research Awards:**

Received


**Student/Trainee Awards**

Received

National Distinctions and Research Awards:
Received
   Total Amount: $165,000.00 CAD.

Student/Trainee Awards:
Received

Provincial/Regional Distinctions and Research Awards:
Received
   Total Amount: $50,000.00 CAD.

Local Distinctions and Research Awards:
Received
1. Juurlink, David N. Goldie Award, University of Toronto. (Research Award). 2013 May.
2. Shojania, Kaveh G. Canada Research Chairs Program Award, Principal Investigator, 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 CAD.
3. Etchells, Edward. 2013 Sunnybrook Department of Medicine Leadership Award, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada.

Teaching Awards:
Received
1. Cheung, Mark. 2012-2013 Peters-Boyd Academy Mechanisms, Manifestations and Management of Disease Teaching Award, General Internal Medicine, Dept of Medicine, Faculty of Medicine, Peters-Boyd Academy, (Undergraduate MD, Year 2). 2012 July - 2013 June. 
   For excellence as a problem-based learning tutor.
2. Juurlink, David N. Top 10% of Teachers, General Internal Medicine, Dept of Medicine, Faculty of Medicine, University of Toronto, Toronto, Ontario, Canada. (Multilevel Education). 2011 – 2012.
3. Kuper, Ayelet. 2013 Helen P. Batty Award for Excellence and Achievement in Faculty Development (Category: Innovation in Program Development and Design) awarded to the Wilson Centre Qualitative Research Atelier Series group, Member of the Course Planning Committee continuously since its inception in 2007, Centre for Faculty Development, Faculty of Medicine, University of Toronto, Ontario, Canada. (Faculty Development). 2013 May. 
   Recognition of an outstanding faculty development program within the Faculty of Medicine, University of Toronto which led to the enhancement of instruction, career development, professionalism, inter-professionalism, and/or health professional leadership. Total Amount: $1,000.00 CAD.
4. **Stroud, Lynfa.** Peters-Boyd Academy Clerkship Teaching Award 2011 - 2012, Faculty of Medicine, Peters-Boyd Academy, Toronto, Ontario, Canada. (Undergraduate MD, Clerkship). 2012.

5. **Wong, Brian.** Department of Medicine Young Teacher Award, Dept of Medicine, Faculty of Medicine, University of Toronto, Canada. (Multilevel Education). Sunnybrook Health Sciences Centre. 2012 July – 2013 June.

6. **Wong, Brian.** Professional Development Program Award for Excellence in Continuing Education, Dept of Family & Community Medicine, Faculty of Medicine, University of Toronto, Canada. (Continuing Education). 2012 July – 2013 June. Awarded to individuals or teams in recognition of outstanding contributions to the Professional Development Program in the Department of Family and Community Medicine.

7. **Najeeb, Umerin.** 2013 Sunnybrook Department of Medicine Young Teacher Award, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada.

8. **Shumak, Steven.** 2013 Sunnybrook Department of Medicine In-Patient Teaching Award, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada.

**Student/Trainee Awards:**

**Received**

1. **Wong, Brian.** Conference Scholarship Award, Research Supervisor, Awardee Name: Peter Wu. Division of General Internal Medicine, Department of Medicine, University of Toronto, (Specialty: General Internal Medicine). 2012 July – 2013 June. To support residents to present research abstracts or clinical vignettes which they did under the supervision of GIM faculty members.

Number of Faculty: 4

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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 CAD Jun 2007 – present, Prorated Amount: $810 CAD) [Grant]

2. **Mehta, Rajin. Gandell, Dov** Sunnybrook Health Sciences Centre. Proactive Geriatric Trauma Consultation Service: An innovative model of care to improve quality of care. – AFP Innovation Fund $94,000.

3. **Mehta, Rajin.** The Virtual Ward Study - AFP Innovation Fund 91 800


Other Peer-Reviewed Funding

1. **Liu, Barbara A.** CIHR Team Grant for the development, testing and knowledge translation of innovative approaches to optimize gait and balance of older adults. *B. Maki, MT Bayley, D Brooks, GR Fernie, AJ Flint, SB Jaglal, B Liu, WE McIroy, A Mihailidis, SD Perry, MR Popovic, JW Pratt:* *Canadian Institutes of Health Research (CIHR).* ($1,499,982 CAD Oct 2008 - Sep 2014, Prorated Amount: $249,997 CAD) [Grant]


3. **Liu, Barbara A.** Evaluation of the Integrated Primary Care Team (IPCT). *Feldman Sid, Naglie Gary, Purbhoo Dipti, Hawker, Gillian; Mamdani, Muhammad: University of Toronto Departments of Medicine and Family and Community Medicine (Ontario Ministry of Health and Long-Term Care), Building Bridges to Integrate Care (BRIDGES). BRIDGES. ($75,000 CAD Jul 2012 - Jun 2013, Prorated Amount: $75,000 CAD) [Grant]


Non-Peer-Reviewed Funding


Publications

Peer-Reviewed Publications

Journal Articles


Honours and Awards

Local

Teaching Awards

Received

1. **Gandell, Dov.** Geriatric Medicine Teacher of the Year 2012 - 2013. Faculty of Medicine, University of Toronto. Ontario, Canada. 2012 July – 2013 June. Awarded to the best teacher of the year by the subspecialty residents in the geriatric medicine program at the University of Toronto.

Provincial

Honours

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| Senior Responsible Author                   | 2      |            |
| Collaborator / Co-Author                    | 47     |            |
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Grants, Contracts and Clinical Trials

Peer-Reviewed Funding

Division Member is Principal Investigator:


2. **Simor, Andrew.** Analysis of investigations, treatment, and outcomes associated with Staphylococcus aureus bacteremia in Toronto. *Physicians Services Incorporated (PSI) Foundation.* ($19,500 CAD 2011 - 2012, Prorated: $4,875 CAD) [Grant]

Other Peer-Reviewed Funding

1. **Daneman, Nick.** Developing a Clinical Prediction Rule for Clostridium Difficile Infection to Enable Inter-Institution Comparisons of Incidence Rates and Promote Quality Improvement. *Brown K, Fisman D, Daneman N (Supervisors): Canadian Institutes of Health Research.* PhD Doctoral Award. ($105,000 CAD May 2011 - Apr 2014, Prorated: $35,000 CAD) [Grant]


5. **Rachlis, Anita Rochelle.** A randomized controlled clinical trial of micronutrient and anti-oxidant supplementation in persons with untreated HIV infection (MAINTAIN) (CTN 238). *Cameron, William: CTN.* (2009 - 2012) [Clinical Trial]

6. **Rachlis, Anita Rochelle.** A study of an HPV VLP vaccine in a cohort of HIV positive girls and women. *Money, Deborah: Canadian Institutes of Health Research (CIHR).* ($1,389,045 CAD 2008 - 2013, Prorated: $231,507.50 CAD) [Grant]

7. **Rachlis, Anita Rochelle.** Advancing Primary Healthcare for persons living with HIV. *Liddy, Clare: Canadian Institutes of Health Research (CIHR).* ($2,498,494 CAD 2013 - 2018, Prorated: $208,207.83 CAD) [Grant]

8. **Rachlis, Anita Rochelle.** Angiogenesis and adverse pregnancy outcomes in women with HIV. *Serdigides, Lena: OHTN.* ($300,000 CAD 2011 - 2013, Prorated: $100,000 CAD) [Grant]

9. **Rachlis, Anita Rochelle.** Canadian HIV women and reproductive health cohort study; a Canadian Observational Cohort (CANOC) affiliated study. *Loutfy, Mona: Canadian Institutes of Health Research (CIHR).* ($1,192,492 CAD 2011 - 2016, Prorated: $198,748.67 CAD) [Grant]


11. **Rachlis, Anita Rochelle.** CIHR Centre for Neuro-AIDS Research (LOI) Team Grant: HIV comorbidity funding opportunity. *Rourke, S., Letendre, S., Bendayan, R., Gill, M.J.: Canadian Institutes of Health Research (CIHR).* ($10,000 CAD 2012, Prorated: $5,000 CAD) [Grant]

12. **Rachlis, Anita Rochelle.** CIHR Centre for REACH in HIV/AIDS (Research Evidence into Action for Community Health). *Rourke, Sean: Canadian Institutes of Health Research (CIHR).* ($2,500,000 CAD 2009 - 2014, Prorated: $416,666.67 CAD) [Grant]


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

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

16. **Rachlis, Anita Rochelle.** Involving people living with HIV/AIDS in training Medical students in HIV counselling and testing. *Jaworsky, Denise: Canadian Institutes of Health Research (CIHR).* ($300,000 CAD 2011 - 2013, Prorated: $100,000 CAD) [Grant]
2. 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 Research (CIHR). (2011 - 2014) [Clinical Trial]


Non-Peer-Reviewed Funding


2. Rachlis, Anita Rochelle. A cross-sectional, multi-country, non-interventional epidemiological study to investigate the population and disease characteristics, barriers to care and quality of life for women living with HIV. (ELLA study ANV-12-003). Abbott. (2012 - present) [Clinical Trial]
disoproxil fumarate in HIV-1 infected antiretroviral treatment-naive adults (GS-US-236-00011103) (QUAD). Gilead Sciences. (2010 - present) [Clinical Trial]


12. 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/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 adult subjects (GS-US-236-0121). Gilead Sciences. (2012 - present) [Clinical Trial]

13. 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 Sciences. (2012 - present) [Clinical Trial]

14. Rachlis, Anita Rochelle. A phase 3b, randomized, open-label study to evaluate the safety and efficacy of a single tablet regimen of emtricitabine/tenofovir disoproxil fumarate compared with a single tablet regimen of efavirenz/emtricitabine/tenofovir disoproxil fumarate in HIV-1 infected antiretroviral treatment-naive adults (GS-US-264-0110). Gilead Sciences. (2010 - present) [Clinical Trial]

15. 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). GSK/ViIV. (2011 - 2012) [Clinical Trial]

16. 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 - 2012) [Clinical Trial]

17. 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 2). GSK/ViIV. (2010 - present) [Clinical Trial]

18. Rachlis, Anita Rochelle. A phase III, randomized, double-blind study of TMC228 25 mg qd versus efavirenz 600 mg qd in combination with a fixed background regimen consisting of tenofovir disoproxil fumarate and emtricitabine in antiretroviral-naive HIV-1 infected subjects (TMC228-C209). Tibotec. (2008 - 2012) [Clinical Trial]

19. Rachlis, Anita Rochelle. A phase IIb, randomized, open-label study of the safety and efficacy of the single tablet regimen of dolutegravir/abacavir/lamivudine once daily compared to atazanavir/ritonavir administered with the fixed dose combination of tenofovir/emtricitabine once daily in HIV-1-infected antiretroviral naïve adult women. (ARIA ING 117172). GSK/ViIV. (2013 - present) [Clinical Trial]

20. 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]


22. Rachlis, Anita Rochelle. Phase IIb, dose ranging study of oral GSK1265744 in combination with nucleoside reverse transcriptase inhibitors for induction of HIV- virologic suppression followed by an evaluation of maintenance of virologic suppression when oral GSK1265744 is combined with oral rilpivirine in HIV-1 infected, antiretroviral therapy naïve adult subjects (LAB116482 LATTE). GSK/ViIV. (2012 - present) [Clinical Trial]


27. Simor, Andrew. Persistent MRSA Bacteremia in Toronto Hospitals - Pilot Study. Sunovion Pharmaceuticals Canada Inc. ($20,000 CAD 2011 - 2012, Prorated: $7,500 CAD) [Grant]

28. Simor, Andrew. Surveillance for and laboratory characterization of MRSA in Canadian hospitals. Public Health Agency of Canada (PHAC). ($10,000 CAD 2013 - 2013, Prorated: $5,000 CAD) [Grant]

Publications

Peer-Reviewed Publications

Journal Articles


Abstracts


5. Locke T, Quach C, Golding G, Mouchilii A, Pelude L, Coyle D, Gravel D, Simor AE. Microbiology of MRSA in pediatric and adult inpatients at hospitals participating in
the Canadian Nosocomial Infection Surveillance Program (CNISP), 1995-2007. 2013 Apr; AMMI Canada – CACMID Annual Conference, Quebec City, QC, Apr. 4-6, 2013 (SP19).


Honours and Awards

National

Distinctions and Research Awards:

Received

1. Daneman, Nick. Clinician Scientist Salary Award (Phase 2), Canadian Institutes of Health Research, Toronto, Ontario, Canada. 2012 - 2015 July. CIHR Clinician Scientist Salary Award. (Research Award).

Total Amount: $300,000.00 CAD.


**Simor, Andrew.** Pharmacotherapy Best Practices Award, Co-Supervisor, Canadian Society of Hospital Pharmacists, for manuscript. 2012.


**Student/Trainee Awards:**

Received

1. **Daneman, Nick.** First Annual John Conly Innovation Academy Award, Awardee Name: Palmay L. Association of Medical Microbiologists and Infectious Diseases, Vancouver, British Columbia, Canada. 2012.


**Local**

**Distinctions and Research Awards:**

Received

1. **Daneman, Nick.** Sunnybrook Health Sciences Centre Department of Medicine Junior Investigator Award, Sunnybrook Health Sciences Centre. (Research Award). 2013.

**Student/Trainee Awards:**

Received

1. **Daneman, Nick.** Interprofessional Education and Interprofessional Care Showcase, Awardee Name: Palmay L. Sunnybrook Health Sciences Centre. 2012.

2. **Daneman, Nick.** Graduate Research in Progress Conference, Awardee Name: Palmay L. University of Toronto - Faculty of Pharmacy. 2012.


4. **Daneman, Nick.** Trainee Travel Award, Awardee Name: Derek McFadden. Sunnybrook Health Sciences Centre. 2013 June.

Total Amount: $1,000.00 CAD.
Number of Faculty: 27

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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. **Buckstein, Rena.** Alemtuzumab and CHOP chemotherapy for aggressive histology peripheral T-Cell lymphomas (ACCAPELA). Dr. M. Crump, Dr. R. Meyer, Dr. J. Mangel: *National Cancer Institute of Canada (NCIC)* ($618,962); *Bayer Inc* ($11,293.80). ($630,255.80 CAD Jan 2006 - Jun 2013, Prorated: $84,034.11 CAD) [Grants]

3. **Buckstein, Rena.** Myelodysplastic Syndromes (MDS) in Canada: A national prospective study of the epidemiology, quality of life and impact of co-morbidity/frailty on disease outcome. Rockwood, Kenneth; Alibhai, Shabbir; Geddes, Michelle; Kumar, Rajat; Leber, Brian; Leitch, Heather; Sabloff, Mitchell; Shamy, April; Wells, Richard.: *CIHR*. ($100,000.00 CAD Jul 2011 - Jun 2014, Prorated: $33,333.33 CAD) [Grants]

4. **Chan, Kelvin Kar-Wing.** A population study on discontinuation of adjuvant trastuzumab in breast cancer. *Canadian Cancer Society.* ($82,294.00 CAD 2011 - 2013, Prorated: $27,431.33 CAD) [Grants]

5. **Chan, Kelvin Kar-Wing.** A population-based study on adjuvant trastuzumab-related cardiotoxicity in patients with early breast cancer: Incidence and clinical outcomes. Krahn M, Trudeau M, Yan A.: *University of Toronto, Faculty of Medicine.* Dean’s Fund. ($10,000.00 CAD May 2010 - May 2013, Prorated: $2,972.97 CAD) [Grants]

6. **Chan, Kelvin Kar-Wing.** Health Consequences and Cost-Effectiveness of Hepatitis B Screening Before Adjuvant Chemotherapy for Patients with Early Stage Breast Cancer: A Modeling Perspective. *Canadian Breast Cancer Foundation (CIBC).* ($105,040.00 CAD 2013 - 2014 Prorated: $26,260.00 CAD) [Grants]

7. **Chan, Kelvin Kar-Wing.** The Current Management Pattern and the Prevalence of Lymphoma Patients who are Hepatitis B Core-Antibody Positive but Surface Antigen Negative and their risk of Hepatitis B Virus Reactivation with Rituximab. Hicks L, Feld J, Cheung M, Kukreti V.: *Division of Medical Oncology, Department of Medicine, University of Toronto.* Strategic Planning Innovation Fund. ($30,000.00 CAD Nov 2012 - Nov 2013, Prorated: $18,461.54 CAD) [Grants]


9. **Emmenegger, Urban.** Overcoming Resistance to Systemic Prostate Cancer Therapy by Autophagy Modulation. *Prostate Cancer Canada.* Pilot Grant Program. ($120,000.00 CAD Jul 2011 - Jun 2013, Prorated: $60,000.00 CAD) [Grants]

10. **Emmenegger, Urban.** Studying Autophagy as a Complementary Therapeutic Target in Antivascular Tumor Therapy. *Cancer Research Society.* ($120,000.00 CAD Sep 2011 - 2013, Prorated: $60,000.00 CAD) [Grants]

11. **Petrrella, Teresa.** A randomized phase II study of Interleukin 21 (IL-21) vs. Dacarbazine (DTIC) in patients with metastatic or recurrent melanoma. *NCIC.* ($1,120,000.00 CAD Jun 2010 - Jun 2013, Prorated: $363,243.24 CAD) [Grants]


14. **Singh, Simron.** Patterns of Care of Neuroendocrine Cancer in Ontario: Health services delivery to a population without guidelines. Dean’s Fund, University of Toronto. ($9,487.00 CAD May 2010 - May 2011, Prorated: $2,972.97 CAD) [Grants]

16. **Spaner, David.** Improving glucocorticoid therapy in leukemia. *Canadian Institutes of Health Research (CIHR).* Individual operating grants. ($378,000.00 CAD Mar 2013 - Mar 2016, Prorated: $40,864.86 CAD) [Grants]

17. **Spaner, David.** Interaction of cancer initiating cells with the tumor microenvironment during leukemogenesis. *Canadian Institutes of Health Research (CIHR).* Individual operating grants. ($710,000.00 CAD Mar 2011 - Feb 2016, Prorated: $142,000.00 CAD) [Grants]

18. **Spaner, David.** Multi-nuclear receptor blockade as a strategy to improve leukemia immunotherapy. *Canadian Cancer Society Research Institute (CCSRI).* Innovation Grants. ($200,000.00 CAD Feb 2013 - Jan 2015, Prorated: $41,666.67 CAD) [Grants]


20. **Wells, Richard.** Studies of the pathogenesis and progression of MDS. *Aplastic Anemia and Myelodysplasia Association of Canada.* ($30,000.00 CAD Mar 2013 - Mar 2014, Prorated: $9,230.77 CAD) [Grants]

**Other Peer-Reviewed Funding**

1. **Berry, Scott.** Shining a Light on End-of-Life Care in Canada: Investigating Barriers, Testing Interventions, and Disseminating Integrated Solutions for Patients, Families and Healthcare Professionals. Dr. Robert Fowler, Scales, Dr. Damon; Rubenfeld, Gordon; Ross, Heather - UHN - University Health Network; Downar, James - UHN - University Health Network; Berry, Dr. Scott; Gandhi, Dr. Sonal; La Delfa, Ignazio - St. Michael’s Hospital; Zimmermann, Camilla - UHN - University Health Network; Sinha, Samir - Mount Sinai Hospital; Laupacis, Andreas - St. Michael’s Hospital; Dev, Dr. Shelly; Stukel, Therese; Myers, Dr. Jeff: *University of Toronto - Dept of Medicine.* Integrating Challenge Grants. ($199,345.00 CAD Feb 2013 - Jan 2015, Prorated: $41,530.21 CAD) [Grants]


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). ($50,000.00 CAD 2012 - 2013, Prorated: $25,000.00 CAD) [Research Fellowships]


8. **Buckstein, Rena.** Two-year QOL and physical function in older and younger AML survivor. Alibhai, Shabbir, Buckstein, Rena: *The Leukemia and Lymphoma Society.* ($380,000.00 CAD Jul 2011 - Jun 2015, Prorated: $90,000.00 CAD) [Grants]

9. **Buckstein, Rena.** Validation of a Myelodysplasia-Specific Measure of Quality of Life. Robert Klaassen J, Martin Osmond, Rena Buckstein, Gregory Abel, Alan List, Azra Raza.: *Canadian Cancer Society.* ($178,443.00 CAD Feb 2013 - Jan 2015, Prorated: $37,175.63 CAD) [Grants]


11. **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.* ($20,000.00 CAD Sep 2010 - Sep 2013, Prorated: $6,486.49 CAD) [Grants]

13. 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 Trials]

14. 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). (2010 Mar - present) [Clinical Trials]

15. Cheng, Susanna Yee-Shan. A Randomised Phase III 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 Trials]

16. 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 Trials]

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

18. 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. (Jul 2010 - present) [Clinical Trials]

19. Cheng, Susanna Yee-Shan. ICGC Pancreas Xenograft Protocol. (Dec 2010 - present) [Clinical Trials]

20. 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 Trials]

21. Cheng, Susanna Yee-Shan. The Association Between the Transfer of Emergency Department Boarders to Inpatient Hallways and Outcomes of Oncology Patients. Dr. Cheung, Matthew: ($56,925.00 CAD Dec 2009 - present, Prorated: $5,022.79 CAD) [Grants]


23. Cheung, Matthew. 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 cancer care. Innovation Fund Provincial Oversight Committee of the Ministry of Health and AFP. ($98920.00 CAD Mar 2012 - present, Prorated: $72,541.33 CAD) [Grants]


25. Cheung, Matthew. The Current Management Pattern and the Prevalence of Lymphoma Patients who are Hepatitis B Core-Antibody Positive but Surface Antigen Negative and their risk of Hepatitis B Virus Reactivation with Rituximab. Division of Medical Oncology, Department of Medicine, University of Toronto. Strategic Planning Innovation Fund. ($30,000.00 CAD Jul 2012 - Jul 2013, Prorated: $27,692.31 CAD) [Grants]


28. **Dent, Rebecca A.** Evaluating Quantitative Ultrasound Data from Patients Receiving Cancer Treatment. Czarnota GJ: Terry Fox Institute Research Team. ($318,309.00 CAD Jul 2010 - Jun 2013, Prorated: $106,103.00 CAD) [Grants]


30. **Earle, Craig.** “Fostering independence in nursing and outcomes research”. Fries, Christopher: National Institutes of Health, Primary Mentor. ($653,229.00 USD 2008 - 2012, Prorated: $65,322.90 USD) [Grants]


38. **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, Leighl N; Mittmann N, Hales S; Lo C; Rydall A; Donner A; Earle C; Tannock I: Canadian Cancer Society Research Institute. Operating. ($660,568.00 CAD Jul 2011 - Jun 2014, Prorated: $220,189.33 CAD) [Grants]


40. **Earle, Craig.** Transition to Survivorship: Translating knowledge into action for testicular and endometrial cancer populations. Jones, Jennifer Michelle, Earle CC, et al: Canadian Institutes of Health Research (CIHR). Operating Grant. ($311,007.00 CAD Mar 2010 - Feb 2013, Prorated: $69,112.67 CAD) [Grants]

41. **Eisen, Andrea.** Hospital-Based Smoking Cessation Demonstration Project. Ontario Ministry of Health and Long-Term Care. ($100,000.00 CAD Jan 2013 - Dec 2014, Prorated: $25,000.00 CAD) [Grants]


44. **Eisen, Andrea.** The Association of Mammographic Density and Breast Cancer Following Treatment for Ductal Carcinoma


47. Gandhi, Sonal. Shining a Light on End-of-Life Care in Canada: Investigating Barriers, Testing Interventions, and Disseminating Integrated Solutions for Patients, Families and Healthcare Professionals. Fowler, Rob, Rubenfeld, Gordon; Scales, Damon; Dev, Shelly; Gandhi, Sonal; Myers, Jeff; Berry, Scott; Laupacis, Andreas; Zimmermann, Camilla; Downar, James; Sinha, Samir; La Delfa, Ignazio; Stukel, Therese; Ross, Heather.: University of Toronto. Integrating Challenge Grants. ($199,345.00 CAD Feb 2013 - Jan 2015, Prorated: $41,530.21 CAD) [Grants]


49. 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 (PI), Battistella Marisa, Haddenwich Michelle: McLaughlin Centre University of Toronto. Accelerator Grant in Genomic Medicine. ($175,142.28 CAD Apr 2012 - Apr 2014, Prorated: $84,068.29 CAD) [Grants]


51. 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. ($1,050,000.00 CAD Jul 2011 - 2014, Prorated: $300,000.00 CAD) [Grants]


56. 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 AFP. ($98,920.00 CAD Mar 2012 - present, Prorated: $0.00 CAD) [Grants]

58. **Spaner, David.** AMP kinase in the pathogenesis and treatment of CLL. *Spaner, David: Leukemia and lymphoma society of canada*. Operating grants competition. ($120,000.00 CAD Jul 2011 - Jun 2013, Prorated: $60,000.00 CAD) [Grants]


**Non-Peer-Reviewed Funding**


3. **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) [Grants]


5. **Bjarnason, Georg Arnold.** Phase I study of safety and immunogenecity of ALVAC-CEA/B7.1 vaccine administered concurrently with chemotherapy or following chemotherapy in patients with stage III colorectal adenocarcinoma. *Aventis Pasteur*. (2001 - present) [Grants]


13. **Eisen, Andrea.** Cancer Prevention Program for Women at High Risk of Breast Cancer. *Sunnybrook Health Sciences Centre Foundation.* ($250,000.00 CAD Dec 2011 - Dec 2013, Prorated: $120,000.00 CAD) [Grants]

14. **Emmenegger, Urban.** A Phase II Study of Maintenance Therapy with Temsirolimus in Androgen-Independent Prostate Cancer After First-Line Chemotherapy with Docetaxel. Ko, Yoo-Joung: *Pfizer/Wyeth Pharmaceuticals Canada Inc.* ($315,000.00 CAD Dec 2007 - present Prorated: $40,000.00 CAD) [Grants]

15. **Emmenegger, Urban.** Creation of a urinary microRNA signature for high grade prostate cancer. *Danny Vesperini: Relay for Life Competition 2012.* ($100,000.00 CAD Nov 2012, Prorated: $100,000.00 CAD) [Grants]

16. **Emmenegger, Urban.** Hypoxia: a Mediator of PSA Surge in Prostate Cancer Patients Undergoing Antiangiogenic Therapy? *University of Toronto Dean's Fund.* ($100,000.00 CAD Mar 2009 - Feb 2014, Prorated: $2,000.14 CAD) [Grants]


18. **Ko, Yoo-Joung.** A phase II study of maintenance therapy with temsirolimus in androgen-independent prostate cancer after first line therapy with docetaxel. *Ko, Yoo-Joung, Urban Emmenegger (Sunnybrook), Christopher Booth (Queens), Srikala Sridhar (UHN), Robert Kerbel (Sunnybrook), Scott Berry (Sunnybrook), Eric Winquist (London): Wyeth Pharmaceuticals.* ($370,975.00 CAD Dec 2007 - present, Prorated: $19,188.36 CAD) [Grants]

19. **Ko, Yoo-Joung.** A randomised phase III study of Capecitbine 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. *Ko, Yoo-Joung, Malcolm Moore; Sharlene Gill: Sanofi Aventis.* ($50,000.00 CAD May 2010 - present, Prorated: $13,888.89 CAD) [Clinical Trials]

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

21. **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, Conwyn Rowsell, Lijing Zhang, Suzanne Kamel-Reid: Agenaxis.* ($130,960.00 CAD Dec 2009 - present, Prorated: $11,555.29 CAD) [Grants]

22. **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)

23. **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.* ($63,830.00 CAD Dec 2010 - present, Prorated: $22,010.34 CAD) [Industrial Grants]

24. **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.* ($86,000.00 CAD Mar 2010 - present, Prorated: $8,322.58 CAD) [Grants]

25. **Petrella, Teresa.** HMP II - Depression and Interferon substudy. *Petrella, Teresa: Merck.* ($72,800.00 CAD 2008 - present, Prorated: $6,169.49 CAD) [Grants]
26. Petrella, Teresa. Pilot study of neo-adjuvant use of vemurafenib in patients with BRAF mutant melanoma with palpable lymph node metastases. *Roche*. ($200,000.00 CAD Mar 2013 - present, Prorated: $200,000.00 CAD) [Grants]

27. Selby, Rita. Dabigatran and lab monitoring in Ontario. *Boehringer-Ingelheim*. ($7,000.00 CAD Apr 2012 - Jun 2013, Prorated: $5,600.00 CAD) [Industrial Grants]

28. Selby, Rita. Resource Utilization associated with Oral Anticoagulant Management (ROAM) in Canada: a Multicentre, Prospective Study. With Dr. Nicole Mittmann: *Boehringer-Ingelheim*. ($1,000,000.00 CAD 2008 - 2013, Prorated: $166,666.67 CAD) [Grants]

29. 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]


**Publications**

**Peer-Reviewed Publications**

**Journal Articles**


24. Doily Han; Martina Trinkaus; Sophie Hogeveen; Muhammad Mamdani; Scott Berry; Raymond Jang; Jeffrey Hoch; Christine Simmons. Physician experience and challenges obtaining unfunded oral chemotherapy across Canada. Journal of Oncology Practice. 2013 Apr.


49. Jodie M Dodd, Anne McLeod, Rory C Windrim, John Kingdom. Antithrombotic therapy for improving maternal or infant health outcomes in women considered at risk of placental dysfunction. Cochrane Style Guide. 2013 Jun;


94. Wong KK, Brenneman F, Chesney A, Spaner DE, Gorczynski RM. Soluble CD200 is critical to engraft chronic lymphocytic


Case Reports


Abstracts


3. Arce C, Gandhi S. Neoadjuvant chemotherapy (NAT) at the Odette Cancer Centre: What have we been doing, and how do we compare? J Clin Oncol. 2012 Sep; 30(27): Abstr 131.


gene expression profiling in breast cancer. 2013 May 27; Canadian Centre for Applied Research in Cancer Control (ARCC) conference; Vancouver, British Columbia: May 27.


15. Caceres G (Caceres, Gisela); Johnson J; McGraw KL (McGraw, Kathy L.); Basiorka AA (Basiorka, Ashley A.); Liu KNA (Liu, Kenian); Smith, LJ (Smith, Larry J.); Daugherty FJ (Daugherty, F. Joseph); Wei S (Wei, Sheng); Komroki RS (Komroki, Rami S.); Zhang L (Zhang, Ling); Littleton N (Littleton, Neil); Wells RA (Wells, Richard A.); Sokol L (Sokol, Lubomir); List AF (List, Alan F.). Targeted Repression of TP53 Promotes Erythropoiesis in Del(5q) MDS and Overcomes Clinical Resistance to Lenalidomide. Blood. 2012 Nov 16; 120(21): 745. ASH Annual Meeting Abstracts.


25. Cukier M, Liu N, Law C, Saskin R, Singh S. Survival of Patients with Neuroendocrine Cancers in Ontario over the
double-blind, multicentre, Phase III study of everolimus.


37. "Variation in utilization of adjuvant chemotherapy in early stage breast cancer: Data from the Cancer Care Ontario New Drug Funding Program (NDFPARCC Conference 2013, Vancouver, British Columbia, May 27, 2013.


42. "Presented at ASCO's Quality Care Symposium, 2012 December.


45. "Variation in utilization of adjuvant chemotherapy in early stage breast cancer: Data from the Cancer Care Ontario New Drug Funding Program (NDFPARCC Conference 2013, Vancouver, British Columbia, May 27, 2013.


47. "Variation in utilization of adjuvant chemotherapy in early stage breast cancer: Data from the Cancer Care Ontario New Drug Funding Program (NDFPARCC Conference 2013, Vancouver, British Columbia, May 27, 2013.


44. Jayakar J (Jayakar, Jennifer); Wells RA (Wells, Richard AJ); Khalaf D (Khalaf, Dina); Mamedov, Alex); Lam A (Lam, Adam); Lenis M (Lenis, Martha). Validation of the Nordic Scoring System for Erythropoietic Stimulating Agents in MDS Using IWG 2006 Erythroid Response Criteria. Blood. 2012 Nov 16; 120(21): Abstract 1721.


68. Phi X A, Houssami N, Leach M, Podo F, Sardanelli F, Warner E, Trop I, De Bock G H. Which screening strategy should be offered to women with BRCA gene mutations? Preliminary findings of an individual patient data meta analysis. 2013 Jun; Presented at the International Student Congress of (bio)Medical Sciences Conference (ISCOM), 2013 June.


78. **Ruste SAD**, **Eisen A**, **Pritchard KI**. The first 10 years experience with genetic testing (GT) for BRCA1/2 mutations in a publicly funded program at a tertiary care teaching hospital in Ontario, Canada. 2013 ASCO Annual Meeting (May 31-June 4, 2013), Abstract 1550.


80. Susan R. Kahn, MD, MSc, Stan Shapiro, Phil S Wells, Marc A. Rodger, MD, FRCP, Michael J. Kovacs, MD, David Anderson MD, Vicky Tagalakis, MD, MSc, Mira Johri, PhD, MPH, Adrielle H Houweling, Christina Holcroft, Susan Solymoss, MD, Marie-José Miron, Erik Yeo, Reginald Smith, Sam Schulman, MD, PhD, Jeannine Kassis, MD, Clive Kearon, MD, PhD, Isabelle Chagnon, MD, Turmly Wong, Christine Demers, Rajendra Hanmiah, Scott Kaatz, MD, **Rita Selby**, MBBS, MSc, FRCPC, Surnan Rathbun, Sylvie Desmarais, MD, Lucie Opatryn, MD, CM, Thomas Ortel and Jeffrey S. Ginsberg, MD. A Multicenter Randomized Placebo Controlled Trial of Compression Stockings to Prevent the Post-Thrombotic Syndrome After Proximal Deep Venous Thrombosis: The S.O.X. Trial. Blood. 2012 Dec.


82. Theis B, **Eisen A**, Hey A, Sellick S, Evans B. Smoking cessation referrals in Ontario’s Regional Cancer Programs: comparable measurement with regional flexibility. 2013 Jun; Presented at the Canadian Society for Epidemiology and Biostatistics Biennial Conference, St. John’s Newfoundland


84. **Trudeau M**, Chin W, Arano G. The RNA disruptive assay (RDA) has the potential to be a cost-effective healthcare technology in detecting non-responders to breast cancer chemotherapy. ARCC Conference 2013, Vancouver, British Columbia, May 27, 2013.

85. Tseng E (Tseng, Eric); **Wells RA (Wells, Richard A.)**; Alibhai SMH (Alibhai, Shabbir M>H>); Lam A (Lam, Adam); Mamedov A (Mamedov, Alex); Chodirker L (Chodirker, Lisa); Zhang LY (Zhang, Lijing); Khalaf D (Khalaf, Dina); Prica A (Prica, Anca); Lenis M (Lenis, Martha); **Buckstein R (Buckstein, Rena)**. The Effects of Azacitidine On Quality of Life: A Prospective Longitudinal Assessment. Blood. 2012 Nov 16; 120(21): 4938


Book Chapters


Commentaries


Letters to Editor


Honours and Awards

International

Distinctions and Research Awards:
Received


National

Distinctions and Research Awards:
Received
1. Chan, Kelvin Kar-Wing. CIHR. (Travel Award). 2013 June. $1,000.00 CAD.


Student/Trainee Awards:
Received
Provincial/Regional

Distinctions and Research Awards:
Received
   Recognizes health care professionals, providers and volunteers in the cancer and renal system, demonstrating exceptional and compassionate patient care.

Local

Distinctions and Research Awards:
Received
1. Emmenegger, Urban. Research Summer Student Award, Sunnybrook Research Institute, Sunnybrook Health Sciences Centre. (Research Award). 2013 April.
2. Pritchard, Kathleen. Senior Scientist, Research Institute. 2003-present

Teaching Awards
Received
1. Chan, Kelvin Kar-Wing. Outstanding Teaching Award, Oncology, Dept of Medicine, Faculty of Medicine, Medical Oncology Training Program. (Postgraduate MD, Subspecialty). 2012 July-2013 June.
2. Hsiao, Janey. Ambulatory Teaching Award, General Internal Medicine, Dept of Medicine, Faculty of Medicine, Sunnybrook Health Sciences Centre, Ontario, Canada. (Multilevel Education). 2012 November.
3. Trudeau, Maureen. Education Award, Oncology, Dept of Medicine, Faculty of Medicine, University of Toronto. 2013 June.
4. Ko, Yoo-Joung. 2013 Department of Medicine Pre-Clerkship Teaching Award, Sunnybrook Health Sciences Centre, Ontario, Canada.

Student/Trainee Awards
Received
## DIVISION OF NEPHROLOGY

Number of Faculty: 6

### 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. **Hladunewich, Michelle Adrienne.** A Pilot Study to Assess the Efficacy of Rituximab Therapy in Patients with Treatment Resistant Idiopathic Focal Segmental Glomerulosclerosis (FSGS): Integrating an Assessment of the Relevance of suPAR and Activation of Podocyte B3 Integrin. *National Institutes of Health, Rare Diseases Clinical Research Network.* Neptune Consortium Pilot Projects. ($100,000.00 USD Jul 2012 - Jun 2014, Prorated: $50,000.00 USD) [Grants]


4. **Hladunewich, Michelle Adrienne.** Microalbuminuria and Retinopathy in Gestational Diabetes (MARIGOLD) Study. *Shah, Bajju: Canadian Institute of Health Research (CIHR).* Bridge Project Funding. ($100,000.00 CAD Mar 2013 - Feb 2014, Prorated: $33,333.33 CAD) [Grants]

5. **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. ($10,500,000.00 USD Jul 2010 - Aug 2015, Prorated: $2,032,258.06 USD) [Grants]


7. **Hladunewich, Michelle Adrienne.** The Accurate Measurement of Glomerular Filtration Rate in Patients with Kidney Disease. *White, Christine: Canadian Institute of Health Research (CIHR).* Operating Grants. ($346,118.00 CAD Sep 2009 - Aug 2012, Prorated: $19,228.78 CAD) [Grants]

8. **Hladunewich, Michelle Adrienne.** The IgA Nephropathy Immunopathogenesis Network. *University of Toronto.* Department of Medicine Research Challenge Grant. ($300,000.00 CAD Jun 2013 - Dec 2015, Prorated: $9,677.42 CAD) [Grants]

9. **Hladunewich, Michelle Adrienne.** The Role of Single Nucleotide Polymorphisms of Iron Regulatory Genes in Chronic Kidney Disease and Cancer Treatment Induced Anemia Susceptibility and Response to Therapy. *Battistella, Marisa: R. Samuel McLaughlin Foundation (The).* Accelerator Grant in Genomic Medicine. ($40,000.00 CAD May 2012 - Apr 2013, Prorated: $33,333.33 CAD) [Grants]


11. **Oliver, Matthew J.** Does formal geriatric assessment predict the need for home care assisted peritoneal dialysis? *Jassal V, Oliver MJ: International Society of Peritoneal Dialysis.* ($50,000.00 USD Jul 2012 - Jun 2014, Prorated: $25,000.00 USD) [Grants]


13. **Oliver, Matthew J.** Reducing the risk of serious adverse events and improving quality of life for patients with kidney disease: the role of arteriovenous fistula creation in hemodialysis patients. *Quinn, Robert: MSI Foundation.* ($48,000.00 CAD Jul 2012 - Jun 2014, Prorated: $24,000.00 CAD) [Grants]

14. **Oliver, Matthew J.** Reducing the risk of serious adverse events and improving quality of life for patients with kidney disease: the role of arteriovenous fistula creation in hemodialysis patients. *Quinn, Robert: Canadian Institutes of Health Research (CIHR).* Health Services Evaluation and Interventions Research. ($152,879.00 CAD Mar 2013 - Feb 2015, Prorated: $25,479.83 CAD) [Grants]


17. Tobe, Sheldon William. Heart outcome prevention evaluation trial (HOPE-3). A large simple randomized trial of combined cholesterol modification and blood pressure lowering in middle aged people at average risk. Lonn, Eva and Yusuf, Salim: AstraZeneca. ($909,482.00 CAD Jul 2009 - Jun 2015, Prorated: $151,580.33 CAD) [Industrial Grants]


Non-Peer-Reviewed Funding

1. Hladunewich, Michelle Adrienne. A Randomized Controlled Trial of RituRximab Versus Cyclosporin in the Treatment of Idiopathic Membranous Nephropathy (MENTOR) Study. Fervenza, Fernando: Mayo Clinic. ($6,000,000.00 USD Jan 2012 - Dec 2016, Prorated: $1,200,000.00 USD) [Clinical Trials]

2. Oliver, Matthew J. Peritoneal dialysis catheter placement, use and technique failure in Ontario. Perl, Jeff; Oliver Matthew: MOHLTC/Ontario Renal Network. ($10,000.00 CAD Apr 2012 - Apr 2013, Prorated: $7,692.31 CAD) [Grants]

Publications

Peer-Reviewed Publications

Journal Articles


Abstracts


4. Dulai M, Ravani P, Oliver MJ, MacRae J, Devoe DJ, Quinn RR. Willingness of physicians to participate in a randomized
trial comparing different forms of vascular access. Canadian Society of Nephrology. 2013 Apr 25; Presented at the CSN in Montreal, Canada.


**Book Chapters**


**Editorials**


**Other Publications**


**Honours and Awards**

**International**

**Distinctions and Research Awards:**

Received


**Student/Trainee Awards:**

Received


   $1,000.00 USD.

**National**

**Distinctions and Research Awards:**

Received


   “In giving this award, we particularly commend the members of C-CHANGE for their unprecedented initiative, resulting in the harmonization of guidelines for the prevention and treatment of cardiovascular disease. This initiative resulted in the harmonization and integration of more than 400 recommendations from eight separate guideline, into 89 key recommendations for the management of cardiovascular risk factors.”
Provincial/Regional

Distinctions and Research Awards:

Received

1. **Oliver, Matthew J.** Department of Medicine Quality Improvement & Patient Safety Award, Awardee Name: Dr. Matthew Oliver. Alberta Health Services, Calgary, Alberta, Canada. (Research Award). 2012 October.
   *Optimizing Peritoneal Dialysis Quality Improvement Team.*

Local

Distinctions and Research Awards:

Received

1. **Hladunewich, Michelle Adrienne.** Leadership Award, Department of Medicine, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada. (Distinction). 2012 November.
2. **Hladunewich, Michelle Adrienne.** Recognition of Service - 10 Years, Sunnybrook Health Sciences Centre. (Distinction). 2013 June.
3. **Tobe, Sheldon William.** Recognition of Service - 20 years, Sunnybrook Health Sciences Centre. (Recognition of Service). 2013 June.
   *In Honour of Your Achievement and with Appreciation for Your Support and Dedication to Sunnybrook Patients.*
   *In honor of outstanding service and dedication to patient care.*
5. **Tobe Sheldon.** 2013 Senior Investigator Award, Department of Medicine, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada. (Distinction).

Teaching Awards

Received

1. **Hladunewich, Michelle Adrienne.** Peters-Boyd Academy Mentorship Award, Dept of Medicine, Faculty of Medicine, University of Toronto, Toronto, Ontario, Canada. 2012 July – 2013 June.
   *Any PB FOM member demonstrating exceptional commitment within the Mentoring Program for medical students.*
2. **Tanna, Gemini.** In-Patient Teaching Award, Dept of Medicine, Faculty of Medicine, Sunnybrook Health Sciences Centre. (Postgraduate MD, Core Program). 2012 July – 2013 June.
3. **Tanna, Gemini.** Sunnybrook Advisory Council Education Award - Teaching, Dept of Medicine, Faculty of Medicine, Sunnybrook Health Sciences Centre. (Multilevel Education). Ontario, Canada. 2012 July – 2013 June.

Student/Trainee Awards

Received

1. **Naimark, David.** Second place, resident research competition, Nephrology, Principal Supervisor, Awardee Name: Maneesh Sud. Sunnybrook Department of Medicine, Ontario, Canada. 2013 May.
   *Risk of End-Stage Renal Disease & Death After Cardiovascular Events in Chronic Kidney Disease.*
DIVISION OF NEUROLOGY

Number of Faculty: 11

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Grants, Contracts and Clinical Trials

Peer-Reviewed Funding

Division Member is Principal Investigator:

1. **Black, Sandra E.** A Phase II, Multicenter, Randomized, Double-Blind, Parallel-Group, Placebo-Controlled Study to Investigate the Efficacy and Safety of RO4602522 Added to the Background Therapy of the Acetylcholinesterase Inhibitors Donepezil or Rivastigmine in Patients with Moderate Severity Alzheimer’s Disease. Black SE (PI), Herrmann N (Co-PI), Lanctot K, Lam B, Masellis M.: *Hoffman-La Roche Ltd.* ($240,000.00 CAD 2012 - 2017, Prorated: $40,000.00 CAD) [Grants]


3. **Black, Sandra E.** Genetic-cerebrovascular interactions in brain atrophy and cognition. Black SE (PI), Albert PR (Co-PI), Lanctot KL (Co-PI), Chan PC, Masellis M, Herrmann N, Oh PI, Swardfager WS.: *Heart and Stroke Foundation Centre for Stroke Recovery*. ($48,194.00 CAD 2012 - 2013, Prorated: $24,097.00 CAD) [Grants]


5. **Black, Sandra E.** Improving EMR uptake using a customizable tool integrated into workflow across the health care system as a means to optimize knowledge exchange and patient education. Ween J, Saposnik G, Swartz R, Selchen D, Silver F, Basile V: *Sunnybrook Health Sciences Centre*. Academic Health Science Centres AFP Innovation Fund. ($50,400.00 CAD Feb 2011 – Feb 2013, Prorated: $16,128.00 CAD) [Grants]


12. **Gladstone, David.** SPARTACUS: The Ontario Atrial Fibrillation Stroke Prevention Registry. Gladstone DJ, Swartz RH, on behalf of the UofT Stroke Program Investigators: *Ontario Stroke System / Ontario Ministry of Health and Long-Term Care*. ($85,000.00 CAD 2010 - 2012, Prorated: $14,166.67 ) [Grants]

13. **Lim, Andrew.** Identifying Genetic Determinants of Human Sleep and Circadian Rhythms. Palmer, Lyle; Mukherjee, Sutapa; Ryan, Clodagh; Kowgier, Matthew; Pare, Guillaume; De Jager, Philip; Bennett, David A.; Buchman, Aron S.:
14. **Lim, Andrew.** Sleep Fragmentation and the Risk of Stroke and Heart Disease. Palmer, Lyle; Mukherjee, Sutapa; Ryan, Clodagh; Kowgier, Matthew; Bennett, David A.; Buchman, Aron S.: *Heart and Stroke Foundation of Ontario (HSFO)*. Bridge Grant. ($70,000.00 CAD Jun 2013 - Jun 2014, Prorated: $5,384.62 CAD) [Grants]


19. **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)*. ($150,000.00 CAD May 2012 - Apr 2017, Prorated: $30,000.00 CAD) [Grants]

20. **Swartz, Richard H.** Improving EMR uptake using a customizable tool integrated into workflow across the health care system as a means to optimize knowledge exchange and patient education. *University of Toronto. Division of Neurology - New Initiative Fund*. ($30,000.00 CAD Jul 2011 - Jul 2012, Prorated: $2,307.69 CAD) [Innovation Fund]

21. **Swartz, Richard H.** Post-stroke triage “DOC”: simple screening for Depression, Obstructive. *Heart and Stroke Foundation of Ontario (The) (HSFO)* – Grant in Aid. ($143,598.00 CAD Jun 2012 - Jul 2014, Prorated: $66,276.00 CAD)

22. **Swartz, Richard H.** Provoking action: Real-time activity monitoring & prompting post-stroke. *Heart and Stroke Foundation*. Centre for Stroke Recovery Catalyst Grant. ($49,000.00 CAD Jul 2012 - Jun 2013, Prorated: $49,000.00 CAD) [Grants]

23. **Zinman, Lorne H.** Clinical Trial of Ceftriaxone in Subjects with Amyotrophic Lateral Sclerosis - Canadian Project Management. *ALS Society of Canada*. ($100,000.00 CAD 2009 - 2012, Prorated: $12,500.00 CAD) [Grants]

24. **Zinman, Lorne H.** Neural Mechanisms of Cognitive and Bulbar Motor Decline in ALS. *ALS Society of Canada*. ($100,000.00 CAD 2009 - 2012, Prorated: $12,500.00 CAD) [Grants]

25. **Zinman, Lorne H.** Targeting Nuclear Factor Kappa Beta in ALS: A Phase II Clinical Trial. *ALS Society of Canada*. ($500,000.00 CAD 2013 - 2016, Prorated: $62,500.00 CAD) [Grants]

**Other Peer-Reviewed Funding**

1. **Black, Sandra E.** “Spot Sign” Selection of Intracerebral Hemorrhage to Guide Hemostatic Therapy (SPOTLIGHT): A Randomized Controlled Trial. *Korngut L., Jette N., Pringsheim T., Black SE: Canadian Institutes of Health Research (CIHR)*. ($209,496.00 CAD Oct 2011 - Oct 2013, Prorated: $100,558.08 CAD) [Grants]

2. **Black, Sandra E.** “Spot Sign” Selection of Intracerebral Hemorrhage to Guide Hemostatic Therapy (SPOTLIGHT): A Randomized Controlled Trial. *Gladstone DJ, Aviv R (PI), Demchuk AM (PI), Black S, Butcher K, Dowlatshahi D, Hill M, Mamdani M, Sahlas D, Spence J, Thorpe K.: Canadian Institutes of Health Research (CIHR)*. ($1,708,140.00 CAD Apr 2010 - Mar 2015, Prorated: $341,628.00 CAD) [Grants]


6. Black, Sandra E. ADNI (Alzheimer’s Disease Neuroimaging Initiative): Alzheimer’s Disease Cooperative Study - Project #2. Weiner M, Black SE (Site PI): Canadian Institutes of Health Research (CIHR). ($1,500,000.00 CAD Sep 2012 - Aug 2017, Prorated: $250,000.00 CAD) [Grants]


10. 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. ($615,000.00 CAD Apr 2001 - Mar 2013, Prorated: $38,437.50 CAD) [Grants]


16. 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), Meaw KM (Site Director, Memorial University). SHSC site principal investigators: McLroy 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. ($40,000,000.00 CAD 2002 - 2012 Prorated: $1,875,000.00 CAD) [Centre of Excellence Funding]


28. Black, Sandra E. Spatial working memory training as a means to rehabilitate spatial neglect arising from right hemisphere stroke. Danckert J (PI), Ferber S (Co-PI), Roy E, Black SE.: Heart and Stroke Foundation of Ontario. ($141,000.00 CAD 2012 - 2014 Prorated: $47,000.00 CAD) [Grants]


37. **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. ($84,500.00 CAD 2010 - 2012, Prorated: $14,083.33 CAD) [Grants]

38. **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 Institutes of Health (NIH)/National Institute of Neurological Disorders and Stroke (NINDS). ($1,791,105.00 USD 2008 - 2013 Prorated: $298,517.50 USD) [Grants]

39. **Gladstone, David.** The SPOTLIGHT study: A Multicentre Image-Guided Emergency Treatment Protocol for Patients with Intracerebral Emergencies. Gladstone DJ, Avir R and Demchuk A: Ministry of Health & Long-Term Care, Ontario Stroke Network. ($85,000.00 CAD 2011 - 2013, Prorated: $28,333.33 CAD) [Grants]


41. **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 Trials]

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


47. **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 Trials]
48. **Lim, Andrew.** The Clinical Profile of Parkinson’s Disease Pathology. *Buchman, A., Lim, Andrew S.; Shulman, Joshua M.; Schneider, Julie A.; Haustorff, Jeff; Nag, Sukriti; Leurgans, Susan E. Yu, Lei; Levine, Steven; Vanderhorst, Veronique; De Jager, Philip L.; Lesne, Sylvain; Bennett, David A.: National Institutes of Health (NIH) (USA). R01. ($2,248,533.00 USD Aug 2012 - Aug 2017, Prorated: $405,473.16 USD). [Grants]


55. **Murray, Brian.** Online Interactive Modular Course for Inter-Professional and Continuing Education in Sleep Health Agency. *Horner, R.: Faculty of Medicine Support. ($6,300.00 CAD Apr 2013 - present Prorated: $6,300.00 CAD). [Grants]


57. **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: CIHR. ($198,952.00 CAD Jul 2010 - present, Prorated: $22,105.78 CAD). [Grants]


60. **Swartz, Richard H.** Improving EMR uptake using a customizable tool integrated into workflow across the health care system as a means to optimize knowledge exchange and patient education. *Ween, Jon.: Baycrest Centre for Geriatric
63. **Swartz, Richard H.** IMS-III: Interventional Management of Stroke Trial. *National Institutes of Health (NIH) (USA). NINDS.* (Sep 2010 - present) [Clinical Trials]


73. **Zinman, Lorne H.** A methylation study of C9orf72 and the development of a novel diagnostic test. *Rogaeva, Ekaterina.: W. Garfield Weston Foundation.* ($150,000.00 CAD 2013 - 2015, Prorated: $25,000.00 CAD) [Grants]

74. **Zinman, Lorne H.** Bulbar motor deterioration in ALS. *Yunusova, Yana.: NIH.* ($2,389,340.00 USD 2009 - 2014, Prorated: $398,223.33 USD) [Grants]

75. **Zinman, Lorne H.** Dementia Network of Ontario Research Database. *Stong, Michael.: Ontario Brain Institute.* ($28,500,000.00 CAD 2013 - 2018, Prorated: $2,375,000.00 CAD) [Grants]


77. **Zinman, Lorne H.** Magnetic resonance imaging biomarkers in ALS. *Kaira, Sanjay.: CIHR.* ($841747.00 CAD 2012 - 2017, Prorated: $140,291.17 CAD) [Grants]

78. **Zinman, Lorne H.** Understanding the epidemiology of neurological conditions and building the methodological foundation for surveillance. *Jette, Nathalie.: Public Health Agency of Canada (PHAC).* ($402,000.00 CAD 2010 - 2013, Prorated: $100,500.00 CAD) [Grants]
Non-Peer-Reviewed Funding

1. **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). ($150,000.00 2010 - 2012, Prorated: $25,000.00 ) [Clinical Trials]

2. **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 Trials]

3. **Bui, Esther.** Cerebral Metabolic Changes in Thalamic Stimulation. University of Toronto. ($10,000.00 CAD 2009 - present, Prorated: $0.00 CAD) [Grants]

4. **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 ischeric stroke. sponsor: Lundbeck A/S. (2009 - present) [Contracts]

5. **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. ($100,000.00 CAD 2010 - 2012, Prorated: $16666.67 CAD) [Grants]


7. **Hopyan, Julia Jasmine.** DIAS (Desmoteplase in Acute Stroke) 4 trial. Lundbeck A/S. (2009 - present) [Clinical Trials]

8. **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. ($38,051.39 CAD Feb 2011 - present, Prorated: $0.00 CAD) [Clinical Trials]

9. **Lee, Liesly.** A multicenter, Randomized, Double-Blind, Placebo-Controlled Study of the Efficacy of Natalizumab on Reducing Disability Progression in Subjects With Secondary Progressive Multiple Sclerosis. Biogen Idec Inc. (Ontario). ($28,966.00 CAD Feb 2013 - present, Prorated: $28,966.00 CAD) [Clinical Trials]

10. **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. ($20,000.00 CAD Jan 2008 - present, Prorated: $1,052.63 CAD) [Clinical Trials]

11. **Lee, Liesly.** A phase III double-blind randomized placebo-controlled trial of minocycline in Clinically Isolated Syndromes (CIS). MSS of Canada. ($10,000.00 CAD Apr 2009 - present, Prorated: $714.29 CAD) [Clinical Trials]

12. **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. ($5,000.00 CAD Apr 2012 - Mar 2013, Prorated: $3,750.00 CAD) [Clinical Trials]

13. **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). ($20,000.00 CAD Jun 2009 - present, Prorated: $1,500.00 CAD) [Clinical Trials]

14. **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. ($25,000.00 CAD Apr 2012 - Mar 2013, Prorated: $18,750.00 CAD) [Donations]

15. **Masellis, Mario.** Pharmacogenetics of Rasagiline in Parkinson’s Disease (PD). Masellis M, Lang AE, Kennedy JL, Macciardi F.: Teva Neurosciences Inc. ($143,258.00 CAD Jan 2012 - Dec 2013, Prorated: $71629.00 CAD) [Investigator - Initiated, Industry-Sponsored Study]

16. **Perry, James.** A randomized double-blind, placebo-controlled, multicenter phase II study evaluating the efficacy and safety of onartuzumab (MetMAb) in combination with bevacizumab or onartuzumab monotherapy in patients with recurrent glioblastoma. F. Hoffman-La Roche (Genentech). ($25,000.00 CAD 2012 Aug - present, Prorated: $25,000.00 CAD) [Clinical Trials]

17. **Perry, James.** An international phase 2 randomized double blind placebo controlled study OF Rindopepimut/GM-CSF versus Placebo added to standard of care maintenance temozolomide in patients with newly diagnosed EGFRvIII...
positive glioblastoma. Perry, JR.: Pfizer (Celldex). ($30,000.00 CAD Mar 2012 - present, Prorated: $12,857.14 CAD) [Clinical Trials]

18. **Perry, James.** An Open-Label, Three-Cohort, Phase II Study of E7080 in Subjects with Recurrent Malignant Glioma (HOPE). Eisai Inc. ($30,000.00 CAD Jan 2012 – present, Prorated: $0.00 CAD) [Clinical Trials]

19. **Perry, James.** Cilengitide for Subjects With Newly Diagnosed Glioblastoma Multiforme and UnMethylated MGMT Gene Promoter (CORE). Merck KGAA. ($27,000.00 CAD Nov 2010 – present, Prorated: $0.00 CAD) [Clinical Trials]


**Publications**

**Peer-Reviewed Publications**

**Journal Articles**


35. Mansfield A, Danells CJ, Zettler JL, Black SE, McIlroy WE. Determinants and consequences for standing balance of


Abstracts


4. Boulou, Murray et al. Restless Legs Syndrome is Associated with Lower Quality of Life and Depressive Symptoms in High-Risk TIA and Minor Stroke. Sleep. 2013 Jun 5; Baltimore, USA. (Trainee Publication).


Honours and Awards

International

Distinctions and Research Awards:
Received
1. Lim, Andrew. Wayne A. Hening Sleep Medicine Investigator Award, American Academy of Neurology, United States. (Distinction, Specialty: Neurology). 2013. Total Amount: $1,000.00 USD.
2. Lim, Andrew. Circadian Rhythms Section Investigator Award, American Academy of Sleep Medicine, United States. (Distinction, Specialty: Circadian Biology). 2013. Total Amount: $250.00 USD.

National

Distinctions and Research Awards:
Received
2. Lim, Andrew. Maud Menton New Investigator Award (Clinical), Canadian Institutes of Health Research, Canada. (Distinction, Specialty: Genetics). 2013 – 2014. Highest ranked open operating grant application (clinical) by a new investigators in the Institute of Genetics. Total Amount: $30,000.00 CAD.
3. Masellis, Mario. Early Researcher Award, Ministry of Economic Development (MEDI), Toronto, Ontario, Canada. (Research Award). 2012 May -- 2017 April. Total Amount: $150,000.00 CAD.

Student/Trainee Awards

Received
1. Black, Sandra E. Training Program in Neurodegenerative Lipidomics, Awardee Name: Lam, Benjamin. Canadian Institute of Health Research, Ontario, Canada. 2012 May -- 2013 April. Total Amount: $20,000.00 CAD.
2. Black, Sandra E. Canada Graduate Scholarship - Frederick Banting and Charles Best Doctoral Award, Awardee Name: Nestor, Sean. Canadian Institutes of Health Research, Ontario, Canada. 2011 May -- 2014 April. Total Amount: $90,000.00 CAD.
3. Black, Sandra E. Focus on Stroke Research Fellowship, Awardee Name: Boulus, Mark. Heart and Stroke Foundation of Ontario/Canadian Institute of Health Research, Canada. 2011 July -- 2014 June. Total Amount: $150,000.00 CAD.
4. Black, Sandra E. MD/PhD Scholarship, Awardee Name: Schwindt, Graeme. McLaughlin Centre for Molecular Medicine, University of Toronto. 2011 July -- 2014 June. Total Amount: $18,000.00 CAD.
5. Black, Sandra E. MD/PhD Scholarship, Awardee Name: Schwindt, Graeme. Canadian Institutes of Health Research, 2012 May -- 2015 April. Total Amount: $72,000.00 CAD.
7. Swartz, Richard H. Summer Studentship, Awardee Name: Menal Huoy. Canadian Stroke Network (CSN), 2013 May -- 2013 August. Total Amount: $7,000.00 CAD.
Provincial/Regional

**Distinctions and Research Awards:**

**Received**

1. **Lee, Liesly.** MS Ministry of Health & Long Term Care, Neurology, Ministry of Health & Long Term Care, Ontario, Canada. (Distinction). 2012 July -- 2013 June.  
   Experimental Surgery Follow-up and Care Guidelines Initiation.

2. **Gladstone, David.** HSFO Phase II Clinician-Scientist Award, 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".  
   Total Amount: $195,000.00 CAD.

   "Stopping Bleeding in the Brain: Developing an Innovative Image-Guided Emergency Treatment Protocol for Patients with Intracerebral Hemorrhage". Total Amount: $150,000.00 CAD.

**Student/Trainee Awards**

**Received**

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

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

**Local**

**Distinctions and Research Awards:**

**Received**

1. **Black, Sandra E.** Researcher of the Year, University of Toronto, Department of Medicine. (Research Award). 2013 May -- 2014 May.

**Teaching Award:**

**Received**

1. **Lee, Liesly.** 2013 Department of Medicine William J. Sibbald Faculty Mentoring Award, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada. (Distinction).

2. **Student/Trainee Awards:**

**Received**

   Total Amount: $1,600.00 CAD.

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

   Total Amount: $2,000.00 CAD.

4. **Lim, Andrew.** D&H SRI Summer Student Research Program Poster Competition - Best Poster (Clinical Evaluative Sciences), Neurology, Primary Supervisor. Awardee Name: Mr. Shahmir Sohail. Sunnybrook Research Institute, Toronto, Ontario, Canada. 2013.  
   *Best poster in the Evaluative Clinical Sciences division of the SRI Summer Student Research Program Poster Competition.*  
   Total Amount: $500.00 CAD.

   Total Amount: $2,000.00 CAD.

   Total Amount: $3,000.00 CAD.
Number of Faculty: 1

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### Honours and Awards

#### International

**Distinctions and Research Awards:**

Received

   On Jan 23, 2013, Dr. Alberto Esquenazi, President American Academy of Physical Medicine and rehabilitation presented me with a 25 year pin and letter for long term service to AAPM&R.


3. In recognition of long term service and continuing service as peer reviewer for journal PM&R. Wall certificate and letter of appreciation.

#### Teaching Awards:

Received

1. **Berbrayer, David.** Scholarship in Teaching Award-Recognizing reviewers 2012, Physiatry, Dept of Medicine, Faculty of Medicine, School of Medicine Case Western Reserve University, Ohio, United States. (Undergraduate MD, Year 4). 2012 January -- 2012 December. 
   Received certificate Scholarship in Teaching Award-Recognizing reviewers 2012- “for making a positive impact on medical education and for being a part of the School of Medicine’s legacy of educational excellence” signed by Megan McNamara MD, MSC Director, Center of the Advancement of Medical Learning, Case Western Reserve University, School of Medicine.

### Provincial/Regional

**Distinctions and Research Awards:**

Received

1. **Berbrayer, David.** Service Award, Ontario Medical Association, Physiatry section, Ontario, Canada. (Distinction), 2012. 
   The Section Service Award is awarded in* Recognition of significant service to the OMA, medical profession, or public within a Section.* Service to OMA advancing role of Physiatry in the medical profession.

#### Local

**Distinctions and Research Awards:**

Received

1. **Berbrayer, David.** 25 Year Service award at Sunnybrook Health Sciences Centre, Sunnybrook Health Sciences Centre- Toronto. (Distinction, Specialty: Physiatry). 1988 June -- 2013 June. 
   Sunnybrook Board of Directors recognized Dr. David Berbrayer on Monday June 17, 2013 for 25 years service as active staff at the hospital with Board dinner and certificate of recognition.
Number of Faculty: 4

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Grants, Contracts and Clinical Trials

Peer-Reviewed Funding

Division Member is Principal Investigator:

1. **Gershon, Andrea.** Impact of pulmonary function testing on health outcomes of individuals with chronic obstructive pulmonary disease. Gershon A, To T, Aaron S.: *The Lung Association & Pfizer Canada*. ($50,000.00 CAD Sep 2011 - July 2013, Prorated: $26,086.96 CAD) [Grant]


Other Peer-Reviewed Funding


3. **Gershon, Andrea.** Canadian Network for Observational Drug Effect Studies (cNODES). *Suissa S.: Canadian Institutes of Health Research (CIHR)*. ($3,500,000.00 CAD Jan 2011 - Dec 2015, Prorated: $700,000.00 CAD) [Grant]


5. **Geerts, William H.** Prospective evaluation of long-term outcomes after pulmonary embolism. *Dr. Susan Kahn (McGill University), Drs. A Hirsch, J Granton, C Dennie, E Lang, W Geerts, C Holcroft, et al.: Canadian Institutes of Health Research (CIHR)*. Operating Grant. ($479,053.00 CAD Apr 2009 - Mar 2013, Prorated: $89,822.44 CAD) [Clinical Trial]


Non-Peer-Reviewed Funding


Publications

Peer-Reviewed Publications

Journal Articles


Abstracts


Other Publications


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). 2012. Total Amount: $60,000.00 CAD.

2. Gershon, Andrea. (Declined) 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). 2013. Total Amount: $30,000.00 CAD.

Provincial/Regional

Distinctions and Research Awards:

Received


2. Gershon, Andrea. Fellowship for Translational Health Research, Physicians’ Services Incorporated (PSI) Foundation, Ontario, Canada. (Research Award). 2013. Total Amount: $300,000.00 CAD.

Local

Distinctions and Research Awards:

Received

1. Gershon, Andrea. Junior Investigator Award, Sunnybrook Health Sciences Centre, Department of Medicine, Toronto, Ontario, Canada. (Research Award). 2012.

Teaching Awards:

Received

1. Sivjee, Khalil Y. General Internal Medicine, Dept of Medicine, Faculty of Medicine, Sunnybrook Health Sciences Centre. (Multilevel Education). 2011—2012. Named in the 10% teachers city wide. Based on RATE system.
Number of Faculty: 3

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Grants, Contracts and Clinical Trials

Peer-Reviewed Funding

Division Member is Principal Investigator:

1. **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). ($46,506.00 CAD Dec 2010 - Aug 2012, Prorated: $4,429.14 CAD) [Grant]

2. **Bell, Mary.** Physician’s Tool to Evaluate Joint and Bone Complaints. Canadian Initiative For Outcomes in Rheumatology Care (CIORA). Ruben Taveres, Mary Aisen: Canadian Initiative For Outcomes in Rheumatology Care (CIORA). ($47,808.00 CAD Dec 2011 - Aug 2013, Prorated: $27,318.85 CAD) [Grant]

3. **Bell, Mary.** Peer to Peer Mentoring For Individuals with Early Inflammatory Arthritis: An Effectiveness Study (Pilot RCT) – Follow-up Evaluation. Ed Keystone, Sydney Brooks, Joanna Sale, Sharron Sandhu, Deborah Weber: Canadian Initiative For Outcomes in Rheumatology Care (CIORA). ($60,000.00 CAD Jan 2012 - Jun 2013, Prorated: $40,000.00 CAD) [Grant]

Other Peer-Reviewed Funding

1. **Bell, Mary.** Virtual Peer-to-Peer Support Mentoring for Adolescents with Juvenile Idiopathic Arthritis: A Feasibility Pilot Randomized Controlled Trial. Stinson, Jennifer and Bell, Mary Jane, Kohut, Ahol, Junkin, L, Speigel, Lynn, Amaria, K, Kaufman, M, Victor, J, Cooper, D, Luca, N, Forgeron, P, and Marcinko, J: Canadian Institutes of Health Research (CIHR). Musculoskeletal Health and Arthritis. ($99,987.00 CAD Apr 2013 - Jul 2014, Prorated: $18,747.56 CAD) [Clinical Trial]

2. **Bell, Mary.** Getting a Grip on Arthritis Online. The Arthritis Society. Dr. Sydney Lineker (Brooks), 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). ($198,680.00 CAD May 2012 - Apr 2014, Prorated: $99,340.00 CAD) [Grant]

Publications

Peer-Reviewed Publications

Journal Articles


Case Reports


Abstracts


Letters to Editor


Honours and Awards

International

Distinctions and Research Awards:

Received


National

Distinctions and Research Awards:

Received


Student/Trainee Awards:

Received


Total Amount: $5,400.00 CAD
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

Physician-in-Chief

Deputy Physician-in-Chief

Executive Committee

Committees
- Education
- Faculty Well-Being
- Finance
- Research

Division Heads
- Cardiology
- Clinical Pharmacology & Toxicology
- Dermatology
- Endocrinology
- Gastroenterology
- General Internal Medicine
- Geriatric Medicine
- Infectious Diseases
- Medical Oncology/ Hematology
- Nephrology
- Neurology
- Obstetrical Medicine
- Rehabilitation Medicine
- Respirology & Clinical Immunology
- Rheumatology