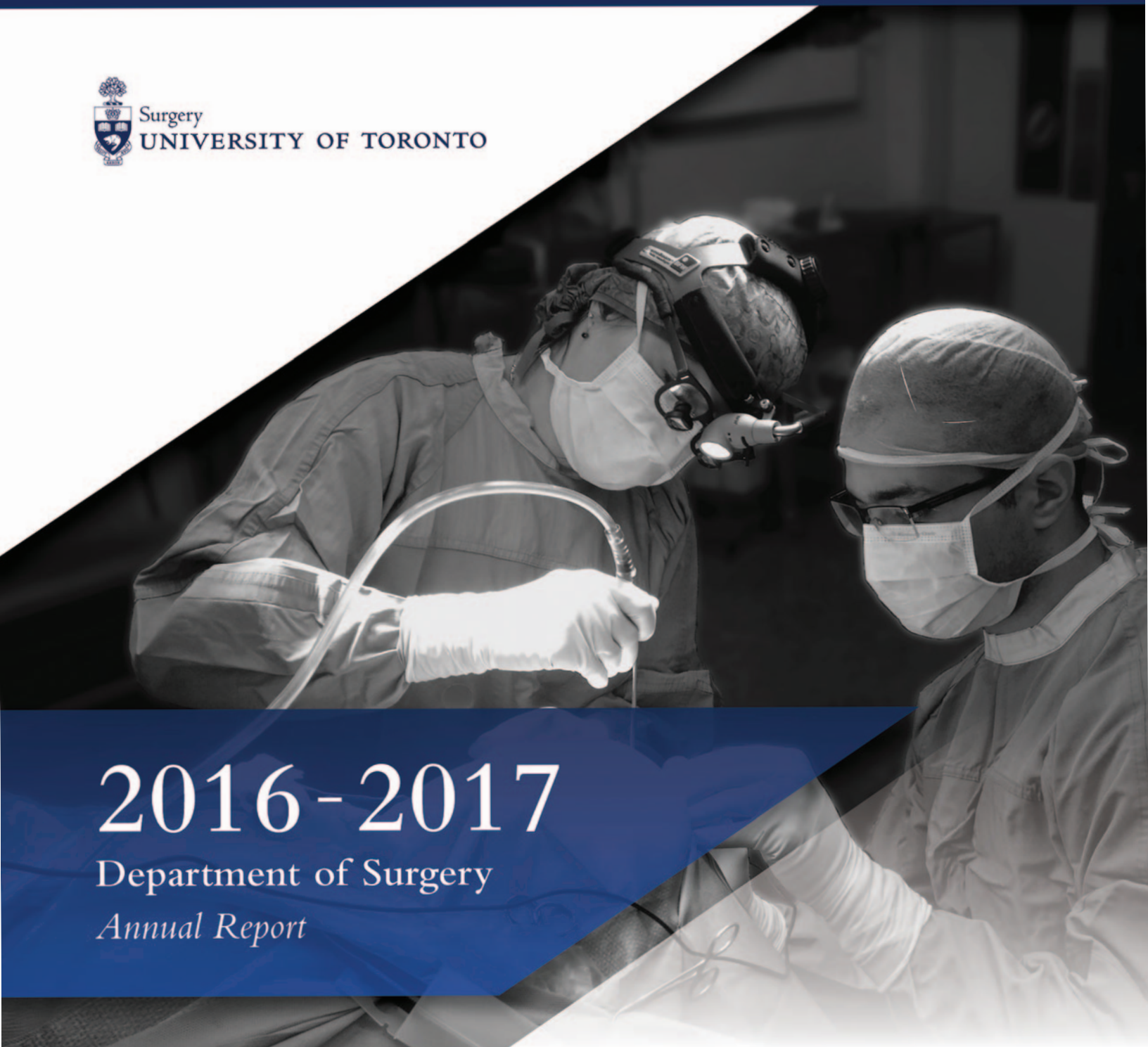




Surgery
UNIVERSITY OF TORONTO



2016-2017

Department of Surgery

Annual Report



Department of Surgery

Annual Report

JULY 1, 2016 – JUNE 30, 2017

R.S. McLaughlin Professor And Chair

Dr. J. T. Rutka

Associate Chair And Vice-Chairs

Dr. O. Rotstein	Associate Chair
Dr. N. Ahmed	Vice-Chair, Education
Dr. R.R. Richards	Vice-Chair, Clinical
Dr. M. Fehlings	Vice-Chair, Research
Dr. R. McLeod	Vice-Chair, Quality
Dr. A. Kapus	Associate Chair, Research
Dr. S. Keshavjee	Vice-Chair, Surgical Innovation

Surgeons In Chief

Dr. C. Caldarone	The Hospital for Sick Children/Robert B. Salter Chair in Surgical Research
Dr. J.S. Wunder	Mount Sinai Hospital/Rubinoff-Gross Chair in Orthopaedics
Dr. C. Compeau	St. Joseph's Health Centre
Dr. O.D. Rotstein	St. Michael's Hospital
Dr. A. Nathens	Sunnybrook Health Sciences Centre
Dr. C. Simone	The Toronto East General Hospital/Michael Garron Hospital
Dr. S. Keshavjee	University Health Network/James Wallace McCutcheon Chair in Surgery
Dr. D. Urbach	Women's College Hospital

University Division Chairs

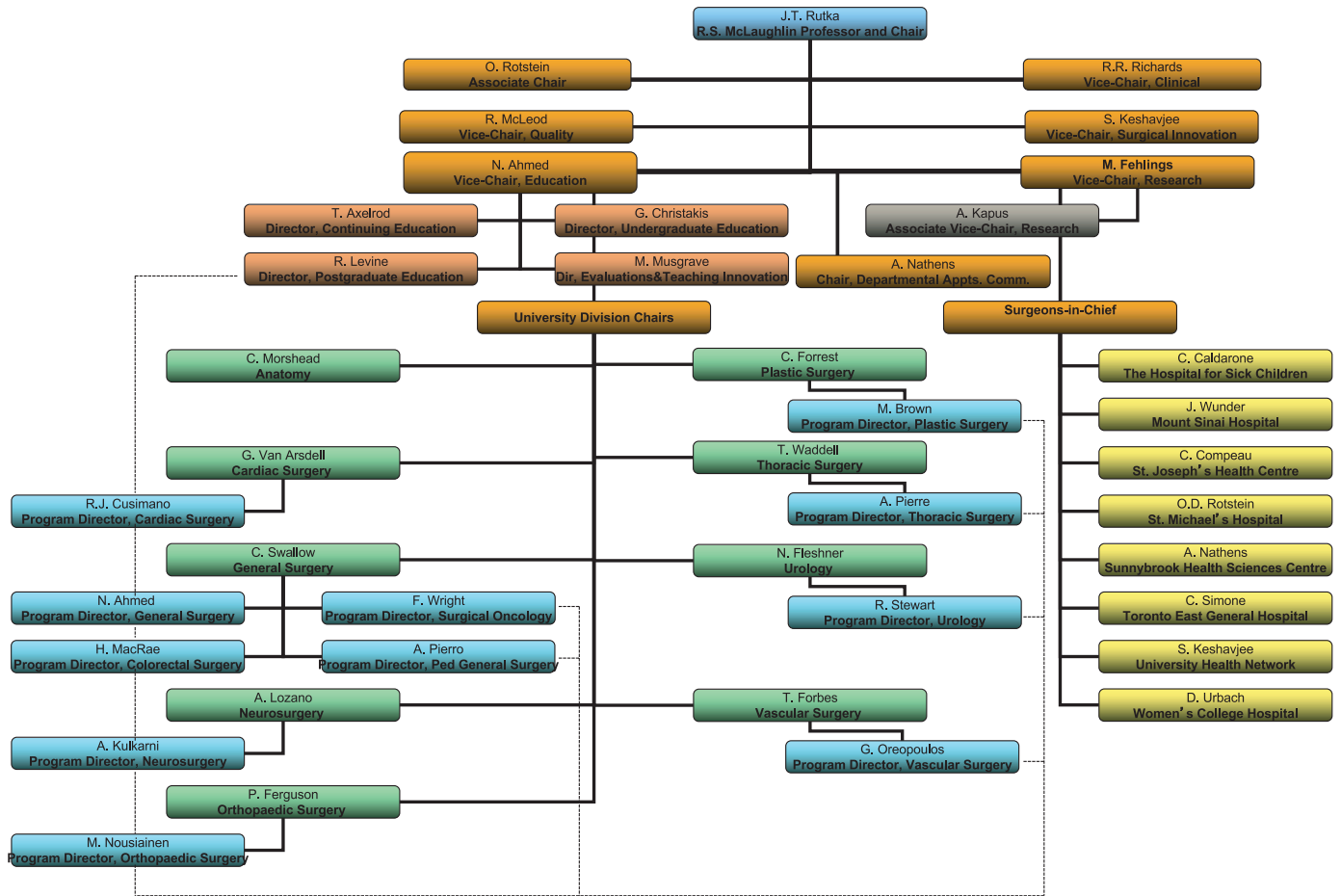
Dr. C. Morshead	Anatomy
Dr. G. Van Arsdell	Cardiac Surgery
Dr. C. Swallow	General Surgery/Bernard and Ryna Langer Chair
Dr. A. Lozano	Leslie Dan Professor and Chair of Neurosurgery
Dr. P. Ferguson	Albert and Temmy Latner Chair, Division of Orthopaedics
Dr. C. Forrest	Plastic and Reconstructive Surgery
Dr. T. Waddell	F.G. Pearson/R.J. Ginsberg Chair in Thoracic Surgery
Dr. N. Fleshner	Martin Barkin Chair in Urological Research
Dr. T. Forbes	Vascular Surgery



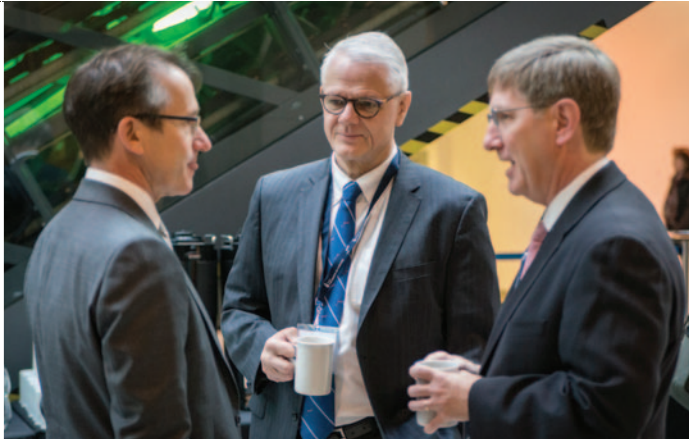
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Department of Surgery Organizational Chart

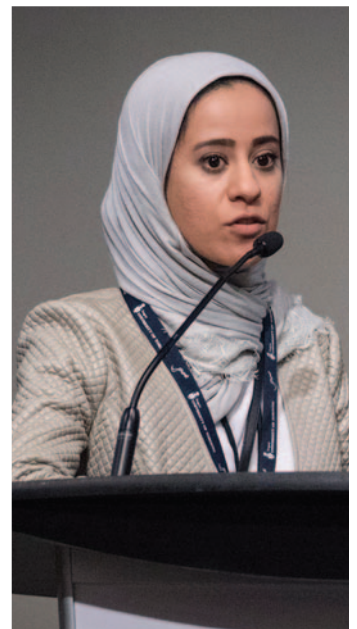
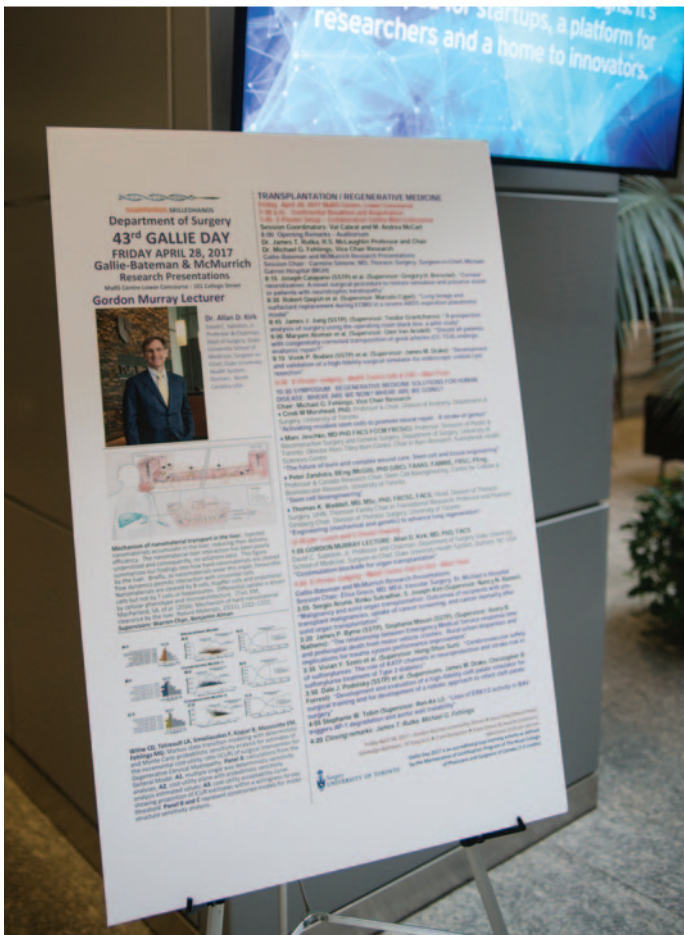


Gallie-Bateman and McMurrich Research Presentations



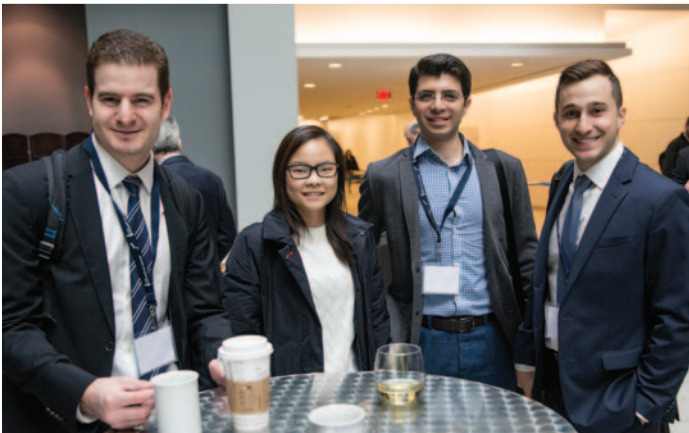
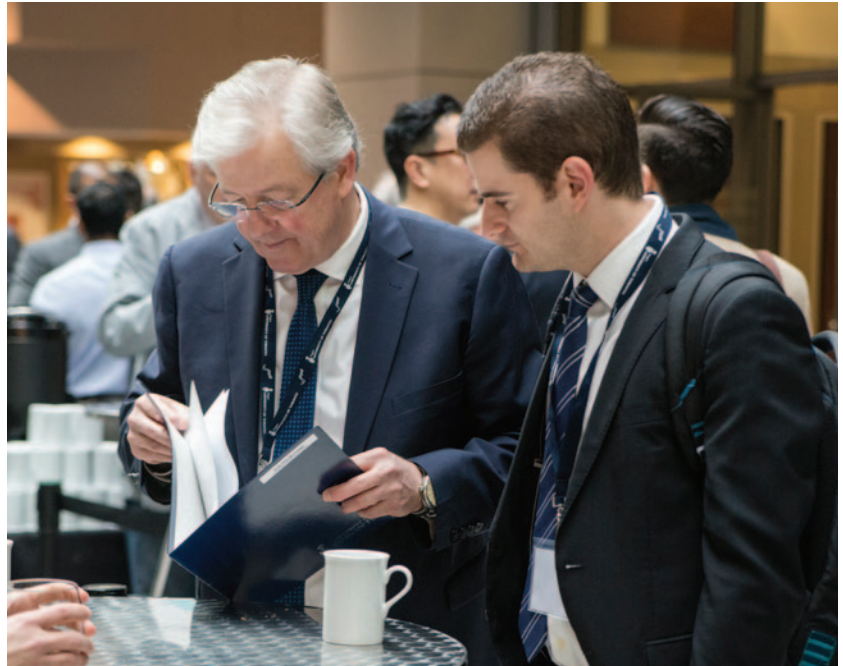
43rd GALLIE DAY

Gallie-Bateman and McMurrich Research Presentations



43rd GALLIE DAY

Gallie-Bateman and McMurrich Research Presentations



43rd GALLIE DAY

Gallie-Bateman and McMurrich Research Presentations



Gordon Murray Reception, Dinner & Awards Ceremony, Omni King Edward Hotel



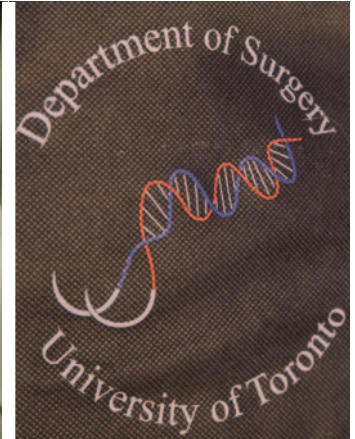
43rd GALLIE DAY

Reception, Dinner & Awards Ceremony



43rd GALLIE DAY

Reception, Dinner & Awards Ceremony

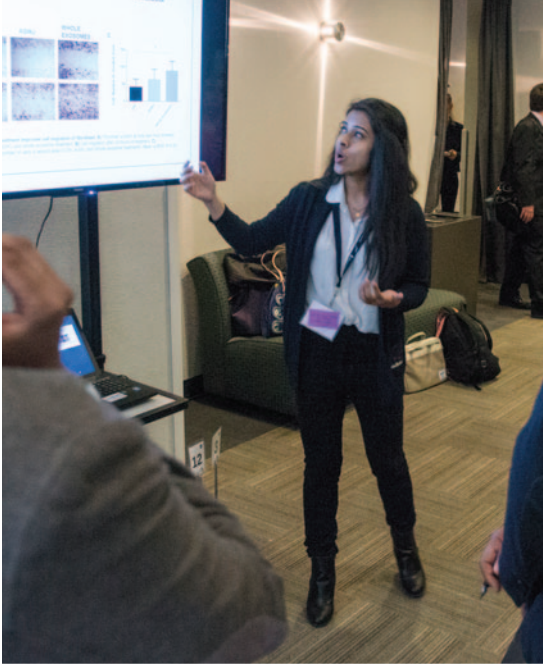


43rd GALLIE DAY

Reception, Dinner & Awards Ceremony



Poster Judging



43rd GALLIE DAY

Poster Judging



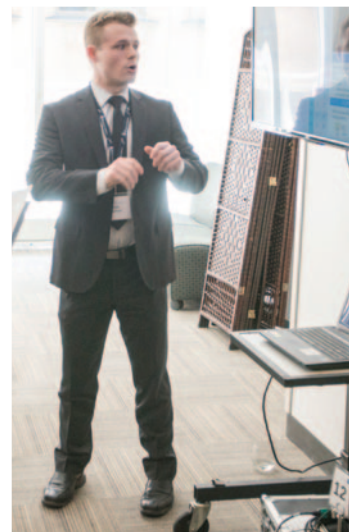
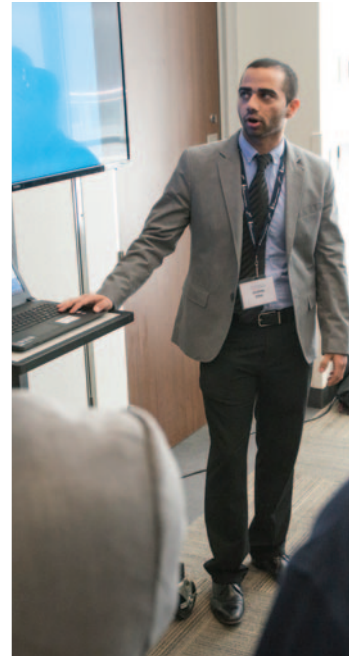
43rd GALLIE DAY

Poster Judging



43rd GALLIE DAY

Poster Judging



Continuing Appointment Reviews 2016-17



Mohammed Al-Omran - From Left to Right: T. Forbes, M. Al-Omran, O. Rotstein



Thomas Forbes - From Left to Right: T. Lindsay, T. Forbes, S. Keshavjee



Sandra de Montbrun - From Left to Right: O. Rotstein, N. Baxter, S. de Montburn, T Grantcharov



Suneil Kalia - From Left to Right: M. Tymianski, S. Kalia, A. Lozano



Victor Yang - From Left to Right: A. Lozano, V. Yang, T. Mainprize, A. Nathens, B. Wilson



Simon Kelley - From Left to Right: M. Gargan, S. Kelley, C. Caldarone



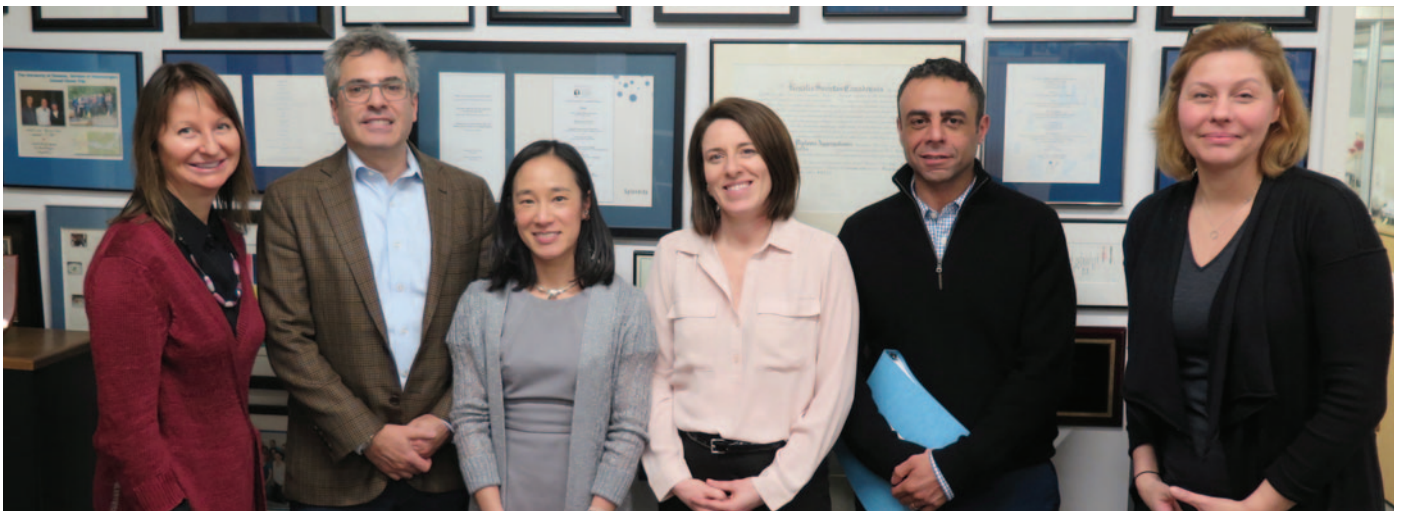
Jory Simpson - From Left to Right: O. Rotstein, C. Swallow, J. Simpson, N. Baxter



Aaron Nauth - From Left to Right: T. Daniels, C. Morshead, A. Nauth, O. Rotstein, P. Ferguson

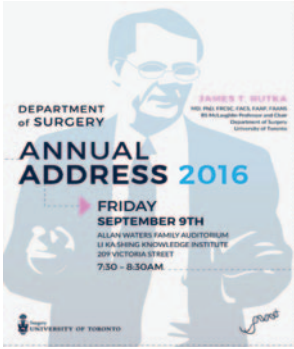


Maral Ouzounian - From Left to Right: S. Keshavjee, G. Van Arsdell, M. Ouzounian, R. Weisel, J. Rutka



Nicole Look Hong - From Left to Right: C. Swallow, A. Nathens, N. Look Hong, F. Wright, S. Ashamalla, N. Mittmann

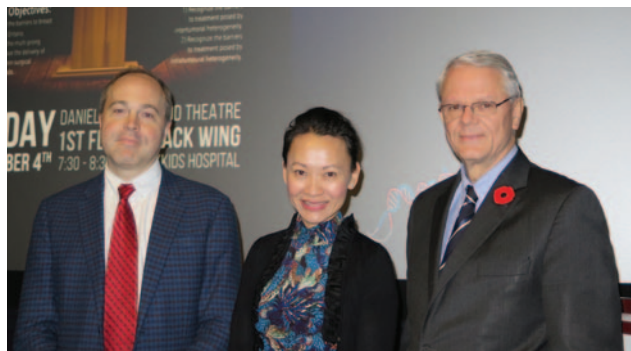
University Rounds



Annual Address - September 2016 - J. Rutka, O. Rotstein



Bigelow Lecture - October 2016 - C. Caldarone, Mr. Bigelow, J. Woo, Mrs. Bigelow



George Armstrong-Peters and Lister Award Winner Presentation - November 2016
M. Taylor, T. Zhong, J. Rutka



Robin McLeod Lecture - December 2016 - ML. Quan, N. Baxter

University Rounds



Ben Alman Research Rounds - January 2017 - S. Amini-Nik, M. Fehlings, B. Alman, G. Keller, J. Rutka



Kergin Lecture - February 2017 - J. Rutka, D. Naylor



Harland Smith Lecture - March 2017 - T. Waddell, S. Mentzer, C. Morshead, J. Rutka



Tile Lecture - June 2017 - A. Nathens, T. Scalea, M. Tile



Chair's Report

James T. Rutka, *RS McLaughlin Professor and Chair*

The Academic Year 2016-17 was marked by a number of major events some of which were new in the Department of Surgery. As our strategic plan, *Transforming surgery: Beyond the cutting edge* is reaching its end, we held a Strategic Planning Retreat on March 7, 2017, in preparation for our new plan. The new tag line for our new strategic plan is "Aspire, Advance, Achieve". We held the inaugural Education Scholar's Day was held at the Peter Gilgan Research Centre for Research and Learning on February 14, 2017. The second Annual Global Surgery Symposium took place on February 17, 2017, with Dr. Andy Leader from King's College, London, as the keynote speaker. I was personally delighted that all Promotees going forward for promotion in the Department of Surgery were successful in the bids for higher ranks. Finally, we demonstrated record-breaking totals in our research enterprise and in our advancement funds for this past academic year.

As has been customary these past six years, Mari and I held a welcome party for the PGY1 residents in all Divisions at our home on July 10, 2017. During July, the residents underwent their prep camp lectures, and many were involved in boot camps in their respective divisions. As for new appointments, we welcome Dr. Najma Ahmed as Vice-Chair of Education to replace Dr. David Latter who served in that role for approximately 10 years. We also welcomed Dr. Glen Van Arsdell as University Division Chair of Cardiac Surgery to replace Dr. Chris Caldarone. Dr. Jeremy Hall replaced Dr. George Christakis as Director of Undergraduate Education and Dr. Ralph George replaced Dr. Terry Axelrod as Director of Continuing Professional Development. Dr. Kyle Wanzel was recognized as the new Program Director for Plastic and Reconstructive Surgery, and Dr. Fred Brennehan was welcomed as the new Program Director for General Surgery. As for other notable appointments, Dr. Andy Smith was appointed as President and CEO of Sunnybrook Health Sciences Centre.

Several faculty members were successful at their Continuing Appointment Reviews this past year. We welcomed many new faculty recruits including visiting, status only, adjunct and part time faculty in addition to our new full time faculty for whom mentors had been identified. Sadly, we lost a few of our stalwart faculty members from the past including Dr. Ronald James Baird (1930-2017), Dr. Barry Shandling (1928-2016), Dr. Griff Pearson (1920-2016) and Dr. DR Wilson (1917-2017), who is a past Chair in the Department of Surgery, in his 100th year!

Our faculty distinguished themselves once again with numerous honors and awards. Some of the most notable include Dr. Jaime Escallon's receipt of a National Merit Award from the Republic of Columbia; Dr. Andrew Howard receiving POSNA's HUME Memorial Award; Dr. Andres Lozano became Officer of the Order of Canada; Dr. Nancy McKee received the Canadian Society of Plastic Surgeon's Lifetime Achievement Award; Dr. Robin McLeod received the RSCPSC Duncan Graham Award, Dr. Charles Tator received a promotion to Officer of the Order of Canada; and Dr. Michael Tymianski, became Member of the Order of Canada. Other honors include Dr. Peter Dirks being appointed to the Royal Society of Canada. Finally, we had an awesome array of peer-reviewed publications in such notable high impact journals such as *Cancer Cell*, *JAMA Surgery*, and *Nature*, to name a few.

Many of our faculty were successful at receiving external peer reviewed research grants including several at the CIHR level. This year, several of our faculty were successful in receiving multi-million dollar awards, including Dr. Nancy Baxter, Dr. Jeff Fernie, Dr. Agostino Pierro, and Dr. Catherine O'Brien, all from the CIHR; Dr. Peter Dirks and Dr. Michael Taylor for the Terry Fox Research Institute Funding for Ontario Institute for Cancer Research; and Dr. Galareh Zadeh from the Brain Tumor Charity Collaborative. More than \$84 million of research funds were earned by faculty within the Department of Surgery this year!

This year, we held the first joint lecture between the Departments of Surgery and Medicine at which Dr. Michael Dan spoke about the impact of colonization on the health of indigenous people in Canada on May 18, 2017.

We enrolled a record number of residents (n =49) in the Surgeon Scientist Training Program (SSTP). While this clearly indicates the success and interest in the SSTP, we are facing some fiscal realities given the expense of running the program, and the fact that resident external fellowship awards are getting increasingly more difficult to obtain.

Gallie Day was held April 17, 2017 and Dr. Allan Kirk was the visiting Gordon Murray Lecturer. This was a tremendous celebration with Dr. Jeff Fernie winning the Lister Award and Dr. Victor Yang winning the George Armstrong-Peters Prize.

Thanks to the efforts of Dr Robin Richards, we published our guidelines for late career transitioning in the *Canadian Journal of*

Surgery, and these are now made available on our website, and find their way into the verbiage of the Memorandum of Agreement (MOA) for any new recruit in the Department of Surgery.

Annual Assessments of Academic Performance (AAPs) have continued, but are now tied to salary stipends received from the Department of Surgery. This past year, Faculty needed to score above 12 to receive their stipends, and this correlates roughly with an achievement of exceeding expectations in most spheres.

Finally, the WebCV program which was run by the Faculty of Medicine has now been terminated. Now, we are in the midst of reviewing proposals for other academic CV programs to capture relevant annual assessment information for our faculty.

I am delighted to continue to serve as the RS McLaughlin Chair of the Department of Surgery. I cannot wait to see the myriad of accomplishments that will grace the volumes of our many future Annual Reports together!

James T Rutka, MD, PhD, FRCSC
RS McLaughlin Chair,
Department of Surgery,
University of Toronto



Breakfast with Chair February 22, 2017



Breakfast with Chair April 19, 2017





Research Report

Michael Fehlings, *Vice-Chair Research*

Year after year our surgical team's brilliance outshine others locally, nationally and internationally, with excellent promotion record, grants received and high impact journal articles. Our staff had an astonishing research year. Whether they were Principle Investigators or co-investigator, our research team were successfully awarded over \$84 million in grants in 2016-17 academic year.

As of September 2016 Mark Erwin, Rebecca Gladdy, and Paul Karanicolas joined Research Committee. Special thanks to pioneer members, Karen Davis, Steven Gallinger, and David Urbach.

PGY 1 & PGY 2 Research Orientation, October 17, 2016. Over 45 residents, Surgeon Scientist Training Program (SSTP) residents, former SSTP residents and staff attended. Overview from staff and residents who were in SSTP or are still in SSTP, of their personal experience enlightened the residents who have thought of entering the SSTP or who will be starting the SSTP as of July 2017. SSTP is the best Program worldwide for residents to pursue a degree in their 3rd or 4th year in residency. It is a 2-4 year break for residents from clinical training to concentrate on research. Dept of Surgery continues to be very committed to the SSTP.

Ben Alman Research Rounds, January 6, 2017 – Drs Gordon Keller, “Modeling human development and disease with pluripotent stem cells”, and Saeid Amini-Nik, “Building blocks and bioactive signals in skin healing and regeneration”.

Research Strategic Planning Retreat: Beyond the Cutting Edge, was held on January 23, 2017 with key speakers highlighting “innovations” in research from bench to bedside.

SSTP continues to attract surgery residents to take a break from their clinical training to get a taste of a research path towards a MASc, MBA, MEd, MSc, or PhD. Record high enrolment for July 2017. 22 new and 27 continuing. 86% SSTP trainees successfully awarded full or partial salary support from external grants.

SSTP Career Night, March 27, 2017. The evening comprising of an informal panel discussion with surgery staff. Faculty was from multiple surgical specialties, ranging from junior to senior surgeon scientists and surgeon investigators. Faculty included C Caldarone, J Drake, M Erwin, P Ferguson, N Fleshner, T Forbes, R Gladdy, A Govindarajan, S Kalia, R-K Li, A Lozano, and F Wright. Discussion focused on how to plan the next steps

of their career, how to successfully look for a job, how to maintain work-life balance, and much more. Each of panel gave their personal perspective of their journey from resident to their present role.

- 2017 Gallie Day theme was “Transplantation / Regenerative Medicine”. 81 E-poster presentations and 10 oral presentation. Symposium “Generative Medicine Solutions for Human Disease: Where Are We Now: Where Are We Going” chaired by Michael G Fehlings. 4 incomparable speakers. **Cindi Morshead**, “Activating resident stem cells to promote neural repair: A stroke of genius”. **Marc Jeschke**, “The future of burn and complex wound care: Stem cell and tissue engineering”. **Peter Zandstra**, “Stem cell bioengineering”. **Thomas Waddell**, “Engineering (mechanical and genetic) to advance lung regeneration”. Gordon Murray Lecturer was Allan D. Kirk (Durham, NC USA), lecture entitled, “Costimulation blockade for organ transplantation”. Gallie Bateman Oral Presentation Awards (for SSTP residents): 1st – **James P Byrne** (supervisor: AB Nathens): “The relationship between Emergency Medical Service response time and prehospital death from motor vehicle crashes: Rural-urban disparities and implications for trauma system performance improvement”. 2nd – **Joseph Catapano** (supervisor: GH Borschel): “Corneal neurotization: A novel surgical procedure to restore sensation and preserve vision in patients with neurotrophic keratopathy”. 3rd – **Dale Podolsky** (supervisors: J Drake, C Forrest): “Development and evaluation of a high-fidelity cleft palate simulator for surgical training and for development of a robotic approach to infant cleft palate surgery”. SSTP resident E-poster presentation awards: 1st – **Sean A Crawford** (supervisor: TL Forbes): “Iliac artery torsion and calcification predicts endovascular device rotation and poor patient outcomes in advanced EVAR”. 2nd – **Christopher JD Wallis** (supervisor: R K Nam): “Adjuvant versus salvage radiotherapy for patients with adverse pathological findings radical prostatectomy: A decision analysis”. 3rd – **Mohamad Hussain** (supervisor: M Al-Omran): “Effect of operator specialty on the outcomes of carotid artery revascularization”. McMurrich Oral Presentation Awards: 1st – **Sergio Acuna** (supervisor: NN Baxter): “Malignancy and solid organ transplantation: Outcomes of recipients with pre-transplant malignancies, uptake of cancer screening, and cancer mortality after solid organ transplantation”. Three-way tie for 2nd: **Vivian Szeto** (supervisor: H-S Sun): “Cerebrovascular safety of sulfonylureas: The role of KATP channels in neuroprotection and stroke risk in sulfonylurea treatment of Type 2 diabetes”. **Stephanie Tobin** (supervisor: R-K Li): “Loss of ERK1/2

activity in BAV triggers AP-1 degradation and aortic wall instability”. **Robert Qaqish** (supervisor: M Cypel): “Lung lavage and surfactant replacement during ECMO in a severe ARDS aspiration pneumonia model”. McMurrich E-poster Presentation Awards: 1st - **Niloofar Ganji** (supervisor: A Pierro): “Remote ischemic conditioning prevents the development of necrotizing enterocolitis”. 2nd - **David P Cyr** (supervisor: CJ Swallow): “Ten-year survival outcomes following resection of locally recurrent rectal cancer”. 3rd - **Chihiro Konoeda** (G Zehong, T Watanabe, S Juvet, M Liu, T Martinu, S Keshavjee): “Role of club cells in the development of obliterative bronchiolitis in murine transplanted lungs”. Many thanks to Andrea McCart, Elisa Greco, Carmine Simone, Sylvia Perry and Val Cabral.

- Bryce Taylor Mentorship Award: Paul Greig (GS, TGH-UHN)
- Bernard Langer Surgeon Scientist Training Program Award: Faye Quereshey (GS, TWH-UHN)
- George-Armstrong Peters Prize: Victor Yang (NS, Sunnybrook Health Sciences Centre)

- Charles Tator Surgeon Scientist Mentoring Award: Mohammed Al-Omran (VS, St. Michael’s Hospital)
- Lister Prize: Geoffrey Fernie (OS Research, Toronto Rehabilitation Institute, UHN)
- Shafie Fazel Award: Alireza Mansouri (PGY VI, NS)
- Zane Cohen Clinical Fellowship: Cindy Boulanger-Gobeil (PGY VII, Surgical Oncology)
- Tovee Postgraduate Prize: Robert Stewart (Urology, St. Michael’s Hospital)
- Tovee Undergraduate Prize: Jeremy Hall (OS, St. Michael’s Hospital)
- Surgical Skills Centre Distinguished Educator Award: Gideon Cohen (CVS, Sunnybrook Health Sciences Centre)
- D.R. Wilson Award: Matthew Murphy (PGY V, PRS)





Postgraduate Education

Ron Levine, Director

The Department of Surgery at the Postgraduate level is the largest in Canada with 277 residents and 246 clinical fellows. There have been many accomplishments and successes in the 2016-2017 academic year.

There are 11 surgical programs: 7 CaRMS entry and 4 subspecialty programs. The backbone of the 11 surgical programs is the Program Director and their administrative assistant. It is a huge thankless job to coordinate and maintain each of these surgical specialties.

Our surgical positions for all of our CaRMS entry specialty programs are sought after by medical students from across Canada. This year all CaRMS entry surgical positions were filled in the 1st reiteration. Most of these positions were filled with our top ranked applicants. Many of the surgical specialties also take IMG's (International Medical Graduates) and visa trainees from around the world.

The first two years of training in surgery is known as Surgical Foundations. Besides attending specialty-specific academic endeavors, the Surgical Foundations residents attend the Surgical Foundations lectures to prepare them for the Surgical Foundations Royal College Exam. Dr. Blitz coordinated the weekly lecture seminars and he also organized a practice exam for residents across Canada that took place in February 2017.

The surgical skills prep camp entered its fourth year during 2016-2017. This Prep Camp is mandatory for all PGY1 surgical residents and runs for the first two weeks of July. It is an intensive program of didactic lectures and learning of fundamental surgical skills. There is an exam at the end of Prep Camp. Several of the surgical specialties have their own prep camp either before or after the Surgical Prep Camp as well.

Also all PGY1 residents attend a surgical skills course in the fall. Each of the surgical specialties also runs their own courses where surgical skills specific to their specialty are taught. Lisa Satterthwaite is the Senior Manager of this unique skills lab and Dr. Oleg Safir is head of the Surgical Skills Lab and has brought many new improvements to the Lab.

There are a number of academic days to enhance the educational experience of the surgical resident. In July 2016, the Core Surgery residents attended "The Surgeon in Society" led by Dr. Carol-Anne Moulton. Dr. John Murnaghan runs "Residents as Teachers" for the PGY2 residents, which is a workshop to teach our residents to be better teachers. There is also an orientation day organized by Dr. Ron Levine for all of

our new first year residents. All of our first year residents attend the ATLS course coordinated by Dr. Andrew Petrosniak at St. Michael's Hospital.

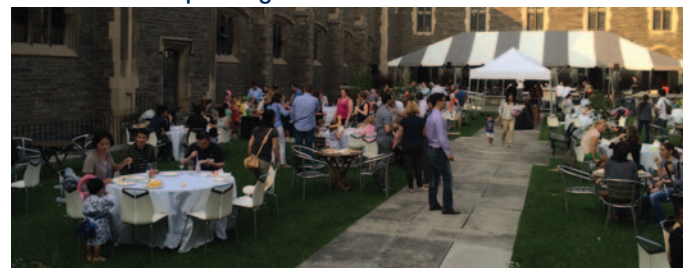
As part of the Foundations of Surgery Lecture series, the residents were involved with a Quality Improvement Project coordinated by Najib Safieddine. Each group was assigned a staff leader and in May 2017 the work that was done by each group throughout the year was presented at an event at the Faculty Club.

PGCoreEd is a series of interactive modules based on the CanMEDS Roles. Each module takes 4 to 5 hours to complete and there is an exam at the end of each module. The results of the exams are provided to the resident, Program Director and Director of Postgraduate Education. Successful completion of 6 modules is required for all residents finishing their PGY2 year.

The Fellowship Program in the Department of Surgery is extremely important. Not only do the fellows learn important skills that they take back to their countries of origin, they also bring their experiences from around the world to our residents and medical students. At the present time we have 246 fellows in the Department of Surgery. In January 2017, Dr. Najma Ahmed has taken over for David Latter as the Vice Chair of Education and Director of Fellowships. She continues with our effort to improve the social environment for our clinical fellows and their families. The Department hosts an annual BBQ in August specifically inviting spouses and children so that that family can get to know each other.

It is an exciting time for the Department of Surgery as we roll out CBD (Competency by Design). Urology and Foundations of Surgery are in the first cohort of surgical specialties to start CBD. We are in the process of planning EPA's (entrustable professional activities), milestones and their evaluations. This will greatly change how we deliver surgical education over the next couple of years.

Fellows Barbeque August 2016





Undergraduate Education

George Christakis, *Director*

Undergraduate Education in the Department continues in its mission to provide students with quality of education and instruction that is among the best in the world.

Prelude to Surgery: Under the stewardship of Melinda Musgrave, the 'Prelude to Surgery,' has been successful. From initial feedback, the course has been well accepted by students and addresses many of the shortcomings of the previous course. The level of involvement and enthusiasm of the resident instructors at the course is encouraging and commendable. This course is a flipped-classroom PBL-type small group sessions from Monday through Thursday. These morning sessions are from 8:00 a.m. to 12:50 p.m. The day ends with a two-hour hands-on technical skills session from 1:00 – 3:00 p.m. The Friday sessions remain unchanged.

Format of Surgical clerkship remains the same since September 2016: 8-week surgical clerkship course divided into a 2 sub-rotation model of 3 weeks each. General Surgery is to continue to be a mandatory 3-week sub-rotation. The new format will be as follows: 1 week, 'Prelude to Surgery,' 3-week sub-rotation and 3-week sub-rotation, final week of seminar, examination preparation, and oral and written examination.

Web-based NBME Surgery clerkship written examination: As of July 2015, the end-of-clerkship examination has transitioned into a web-based format. Also of note, starting from the 2016-17 academic year, students based at the Mississauga Academy of Medicine will be able to attempt their examination in that location.

Recognition of outstanding resident teachers: Recognizing the integral role of residents as teachers, particularly during clerkship, we have been regularly identifying excellent resident teachers and working with the Department's Director of Postgraduate Education's office to provide feedback and commendation to these individuals and the leaders in their respective divisions. I wish to thank Ron Levine and his team for their gracious cooperation in this regard.

On-call feedback forms process implemented: Following the formalizing and enforcement of 1:4 in house call for clinical clerks, on-call formative feedback forms have been distributed. These forms are to be completed while on call and submitted at the end of the surgery rotation. Clerks will be on a pre-scheduled call roster. If the service that they are on does not offer 'in-house' overnight call, then they are to take call on General Surgery or Orthopaedic Surgery.

Longitudinal Integrated Curriculum (LInC) project: The second year of the Longitudinal Integrated Curriculum was successfully completed with 28 students moving on to their fourth year. By all accounts, the initial year has proceeded to plan and we expect some feedback in due course. The program has expanded to other academies in the 2016-17 year.

Pre-clerkship initiatives: Raising the interest and attracting the brightest minds to the field of Surgery continues to be the focus. The Surgical Education And Discovery (SEAD) program continued its success. Other groups such as the Surgical Longitudinal Experience (SurgicLE), Student Surgical Skills Development (S3D) and the various Surgical Interest Groups (SiG), continue to thrive. Congratulations to Surgery Pre-clerkship Director, Ron Kodama and all the student leads and other staff for their outstanding efforts.





International/Global Surgery

Andrew Howard, *Director/Lee Errett, Professor/Avery Nathans*

Bethune Roundtable in Global Surgery

The Department of Surgery will be hosting the Bethune Roundtable in Global Surgery in Spring 2018. Hosted at a different Canadian academic institution each year, this interdisciplinary 3-day conference hosts guest speakers from all over the world to discuss barriers and strategies to address surgical care in disadvantaged regions. We are already looking ahead to secure speakers and organize workshops in accordance with our projected theme of *'The Role of the Trainee in Global Surgery'*.

Efforts to enhance activities in global surgery in the Department continue, with now formal recognition of faculty with global health as their academic focus. This new role description, entitled "Surgeon-Global Health" is designed for those surgeons whose goals are to achieve excellence and equity in global surgical care through leadership and innovation in any of the following domains: education, training, research, clinical care and advocacy. It is anticipated that formal recognition of this role profile will enable recruitment to further build capacity in this area within the Department.

The second annual Global Surgical Symposium was held on Feb 17, 2017, with keynote speaker Andrew Leather, from King's College in London, who spoke on "The role of academic partnerships in establishing successful global surgery programs." The symposium was a great opportunity to bring together the global surgical community in Toronto and highlighted the work of Dr. Singal (Malawi), Drs. Derbew and

Gerstle (Ethiopia), Dr. Azzie (Botswana), and Dr. Antonyshyn (Ukraine).

Dr. Mark Bernstein, through the Greg Wilkins-Barrick Chair in International Surgery supported several learning opportunities for clinical fellows and scholars from Egypt, Indonesia, Kenya among other countries. It also supported a neurosurgical teaching mission in Kenya and student travel to Sudan and Cambodia.

Other efforts to enhance the profile of the program and engage faculty and trainees included the inaugural University of Toronto Global Surgery Journal Club (Nov 1, 2016) and as part of the refresh of the Departmental Strategic Plan there was commitment to develop a program for trainees over the next year.



Global Surgery Dinner November 1, 2016



Global Symposium February 17, 2017





Division of Anatomy

Cindi M. Morshead, *Chair, Anatomy*

Over the past academic year the Division has been an exciting and busy place as we continue to upgrade and renovate our laboratories and facilities. As we enter in to the last phase of our \$10M renovation we are looking forward to the new opportunities this space will afford the >2500 students taught in the anatomy lab settings. The Division has undergone administrative and technical support changes in the past year. We welcome new faces and fresh ideas that will further compliment our vision for the division going forward.

In January 2017, Dr. Maryam Faiz was recruited to the Division of Anatomy as an Assistant Professor, Tenure Stream. Dr. Faiz is an exceptional young scientist who brings expertise and innovative tools and ideas to tackle important issues in regenerative medicine and stem cell biology. Her research program combines genetics, neuroscience and developmental biology and is an excellent fit with the current research in the division. We are thrilled to have her as a member of our Division.

We were sorry to see the departure of Dr. Mubarak Bidmos, Assistant Professor, Teaching stream. Dr. Bidmos was with the Division for a short time but his contributions were enormous. Upon his departure, Anatomy undertook a rigorous and competitive search for his replacement. In July 2017, Dr. Danielle Bentley joined the Division as an Assistant Professor, Teaching Stream. Her outstanding teaching portfolio and innovative teaching practices make her a perfect addition to the Division and we are excited to have Dr. Bentley join the team.

With the launch of the new Foundations Curriculum in the MD Program in September of 2016, the gross anatomy, neuroanatomy, embryology and histology content has been entirely reformatted and is now delivered through the preclerkship curriculum. Lead by Dr. (Dee) Ballyk and Dr. Mike Wiley (embryology), this enormous undertaking is at the forefront of teaching innovation and design. Dr. Anne Agur designed and implemented a new dissection based anatomy course for graduate students in the Biomedical Communications program, the only program of it's kind in Canada.

Our outstanding faculty continue to receive awards for their teaching excellence. Professor Barbara Ballyk received the 2017 W. T. Aikins Award for Excellence in Individual Teaching as well as the coveted Dr. Mary Hollington Teaching Award. This award recognizes one recipient chosen by the graduating

MD class for having “taught with distinction in the preclinical or basic science portion of the curriculum”. The “FEAT” (Functionally Enhanced Anatomy Training) program, developed and lead by Dr. Judi Laprade, was honoured in 2017 as a community champion program at the University of Toronto.

Our research endeavours continue to be recognized nationally and internationally. Dr. Paulo Koeberle’s patent application “*Novel peptides and methods and uses thereof for preventing retinal disorders*” was granted in the US. Dr. Hong Sun and colleagues were granted the US patent for “*Tubulin-Interacting Protein, CALTUBIN, Promotes Axonal Growth*” in the US. Dr. Anne Agur’s work was highlighted in the Toronto Star (“*This 3D human could revolutionize precision medicine*”). Dr. Morshead’s research program successfully acquired >\$1M in funding from the Stem Cell Network and Ontario Institute of Regenerative Medicine (*Pharmacological recruitment of endogenous neural precursors to promote pediatric white matter repair*, Miller PI); Canada First Research Excellence Fund (Medicine by Design) (*Cell transplantation to treat stroke*, Morshead PI; *Regulatory network control of neural stem cells for endogenous repair*, Bader PI; *Development of a digital microfluidic laser cell lysis platform to study single-cell heterogeneity in neural stem cell populations*, Morshead and Wheeler, co-PI); The Connaught Innovation Award (*Novel biphasic electrical stimulation therapy*, Morshead PI) and NSERC (*Regional specification of astrocyte domains from development to behaviour*, Morshead PI and Faiz co-PI).

Grants

3





Division of Cardiac Surgery

Glen Van Arsdell, *Chair*

Glen Van Arsdell was appointed October 2016 as Chair, Division of Cardiac Surgery, U of T

David Latter was appointed as Director, MD Admissions and Student Finances, U of T July 1, 2016

John Coles has been appointed as the Clinical Fellowship Coordinator for Cardiac Surgery at the University

Robert Cusimano has been appointed as the Program Director for the Division of Cardiac Surgery at the University

Ronald James Baird (1930-2017) passed away March 26, 2017

Maral Ouzounian, UHN, Assistant Professor successfully passed her CARs

Subodh Verma et al has been invited to evaluate the impact of evolocumab in coronary artery bypass patients in a randomized trial. This comes with a budget of 7M CAD.



Life in Surgery, April 12, 2017





Division of General Surgery

Carol Swallow, Chair

Education.

Appointments: After a highly competitive search, Dr. Fred Brenneman was chosen as the new Program Director of our Royal College-certified General Surgery Residency Training Program. Dr. Stan Feinberg remains as the Associate Program Director. Madeline Ng, BSc was appointed as the new Program Coordinator.

Faculty Recipients of Major Teaching Awards

Paul Greig, University Health Network – Bryce Taylor Faculty Mentorship Award

Najma Ahmed, St. Michael's Hospital – University of Toronto Faculty of Medicine Award for excellence in Postgraduate Medical Education: Teaching Performance, Mentorship and Advocacy

Teodor Grantcharov, St. Michael's Hospital – University of Toronto Faculty of Medicine Award for excellence in Postgraduate Medical Education: Development and Innovation

Other Major Awards.

Cindy Boulanger Gobeil, General Surgical Oncology Fellowship Program – Zane Cohen Clinical Fellowship Award

Paul Karanicolas, ACS Traveling Fellowship

Robin McLeod, Royal College of Physicians and Surgeons of Canada Duncan Graham Award

Jaime Escallon, The National Merit Award of the Republic of Colombia

Bernard Langer, Lifetime Achievement Award, University of Toronto

Research and Innovation. Steven Gallinger and collaborators published on the genomics of pancreatic cancer evolution in the journal Nature

Resident Recipients of Department of Surgery Gallie Day Awards

Gallie Bateman 1st Prize, Oral Presentation: James Byrne, Sup: A. Nathens

McMurrich 1st Prize, Oral Presentation: Sergio Acuna, Sup: N. Baxter

2nd Prize, Poster Presentation: David Cyr – Sup: C. Swallow

Faculty Recipients of Major Department of Surgery Research Awards

Fayez Quereshey, University Health Network – Bernard Langer Surgeon-Scientist Award

Faculty Development.

Major Faculty Appointments

Nancy Baxter named Associate Dean of Academic Affairs at Dalla Lana School of Public Health

David Urbach appointed Surgeon-in-Chief and Medical Director, Perioperative Services, Women's College Hospital
Najma Ahmed appointed Vice-Chair of Education, Department of Surgery, U of T

Avery Nathens appointed Medical Director, Trauma Quality Programs, American College of Surgeons

Sean Cleary, appointed Associate Professor, Mayo Clinic, Rochester

Lorraine Tremblay, appointed President, Trauma Association of Canada for 2018-2020

New Faculty Members

Barb Haas, Sunnybrook – Mentor: Avery Nathens
Luis Teodoro da Luz, Sunnybrook – Mentor: Neil Adhikari (ICU)

Sami Chadi, University Health Network – Mentors: Fayez Quereshey, Nancy Baxter

Mel Tsang, St. Joseph's – Mentor: Shiva Jayaraman

Faculty Promotions

To Associate Professor: Anand Ghanekar, University Health Network; Anand Govindarajan, Mount Sinai Hospital; Tim Jackson, University Health Network

To Full Professor: Najma Ahmed, St. Mike's; Anna Gagliardi, University Health Network; Frances Wright, Sunnybrook

Successful Continuing Appointment Reviews

Sandra deMontbrun, St. Mike's; Nicole Look Hong, Sunnybrook; Jory Simpson, St. Mike's

New Adjunct Clinical Professor Appointments

Shima Kassirian; Kaes Al-Ali; Kalkidan Belay

Community Service.

The Syrian refugee family sponsored by the Division of General Surgery arrived in Toronto, and was welcomed by Zane Cohen and Hala Muaddi, who along with David Berger-Richardson, Khaled Ramadan and Fouad Youssef, prepared for their arrival and have assisted them in adapting to the Canadian milieu.

On May 5, 2017, Mount Sinai Hospital and the University of Toronto Department of Surgery hosted a Festschrift in honour of Zane Cohen. Graduates of the U of T Colorectal Fellowship Program came from all around the world to celebrate Dr. Cohen's career.

Bernard Langer received the University of Toronto Arbor Award for outstanding volunteer service.





Division of Neurosurgery

Andres Lozano, *Dan Family Chair*

The Division of Neurosurgery completed another year of strong academic performance and research productivity in 2016-17. Our 61 Faculty and residents performed nearly 6,000 cases and published 365 papers in top-tier journals including *JAMA*, *JAMA Neurology*, *Lancet*, *Lancet Oncology*, *NEJM*, *Nature*, *Nature Genetics* and *Nature Neuroscience*. Our Faculty continued to receive prestigious awards, and our residents had a stellar year for fellowships and awards. We remain grateful to the Dan Family for its longstanding support that has enabled the Toronto Neurosurgery program to rise to its world-leading position.

Recruitment. We welcomed **Jefferson Wilson** to our Faculty at St. Michael's Hospital.

Promotions. **Mojgan Hodaie** (Toronto Western Hospital) was promoted to Full Professor, and **Farhad Pirouzman** (Sunnybrook Hospital) was promoted to Associate Professor of Surgery at the University of Toronto.

Research Grants. Our neurosurgeons and Division-affiliated neuroscientists held over \$41.7M in total grant funding, including 22 newly awarded research grants.

Resident/Fellows Honours/Awards/Positions Held

- **Allan Martin** (PGY4; supervisor: Dr. Michael Fehlings) and **Deep Guha** (PGY4; supervisor: Dr. Victor Yang) received Charles Kuntz Scholar Awards from the CNS.
- **Deep Guha** (PGY4) won the 2017 K.G. McKenzie Memorial Prize for Basic Neuroscience Research.
- **Vivek Bodani** (PGY4; supervisor: Dr. James Drake) won a 2017 AANS Technology Development Grant.
- **Deep Guha** (PGY4) received the Sanford J. Larson, MD, PhD Award from the AANS.
- **Anick Nater** (PGY4; supervisor: Dr. Michael Fehlings) won an award of excellence for her CIHR Poster Presentation at the 2017 Canadian Student Health Research Forum.
- **Ying Meng** (PGY4; supervisors: Drs. Sheena Jocelyn, Hospital for Sick Children and Dr. Andres Lozano) received an Alzheimer Society Research Program research award.

Faculty Honours/Awards/Positions Held

- **Michael Tymianski** was appointed as a Member of the Order of Canada, and **Charles Tator** was promoted from Member to Officer of the Order of Canada.
- **Mojgan Hodaie** was presented with the Grand Cross of the Legion of Honor of Monisaraphon by the Kingdom of Cambodia for her efforts in international neurosurgery.

- **Michael Fehlings** received the 2017 Mentor of the Year Award from the Royal College of Physicians and Surgeons.
- **Charles Tator** was inducted into Canada's Sports Hall of Fame in the Builder category.
- **Andres Lozano** was inducted as an Officer of the Order of Canada.
- **Michael Cusimano** received the Biomedical Science Ambassador Award from Partners in Research.
- **Victor Yang** received the Department of Surgery's George Armstrong-Peters Prize.
- Two of **Abhaya Kulkarni** and **James Drake's** papers were featured in the Journal of Neurosurgery's supplement "Best of 2016," which includes the year's 10 best papers.
- **Michael Dan** was appointed as a Member of the Order of Canada.

Visiting Professors

- **Alim P. Mitha**, University of Calgary, 53rd Lougheed Microsurgical Course, Oct 3-7, 2016.
- **Ian Pollack**, Children's Hospital of Pittsburgh, 2016 E. Bruce Hendrick Visiting Professor of Paediatric Neurosurgery, Oct 28, 2016.
- **Philip A. Starr**, University of California, San Francisco, 2016 Annual E. Harry Botterell Visiting Lectureship in Neurosurgery, Nov 11, 2016.
- **Claes Hultling**, Karolinska Institute, 15th Annual Charles H. Tator-Barbara Turnbull Spinal Cord Injury Symposium, Nov 18, 2016.
- **Robert Dempsey**, University of Wisconsin, 2nd Annual Labatt Chair Visiting Professor in International Neurosurgical Education. Feb 3, 2017.
- **Raymond Sawaya**, MD Anderson Cancer Center, 3rd Annual Alan and Susan Hudson Lecture, Mar 31, 2017.
- **Michel Zerah**, Hopital Necker Enfants Malades, 2017 E. Bruce Hendrick Visiting Professor of Paediatric Neurosurgery, May 26, 2017.
- **Giannantonio Spena**, Spedali Civili di Brescial, 54th Lougheed Microsurgical Course, May 1-5, 2017.
- **Zoher Ghogawala**, Tufts University School of Medicine, SpineFEST 2017, Jun 12, 2017.
- **Kee Park**, Harvard Medical School, 42nd William S. Keith Visiting Professor, Jun 16, 2017.

Division Firsts

- **James Rutka and his wife, Mari Rutka**, announced The

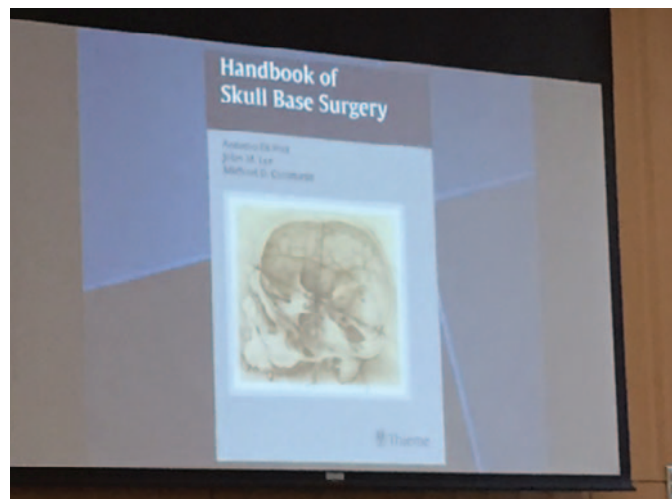
James and Mari Rutka Surgeon Scientist Training Fund, which will support the Surgeon Scientist Training Program at the University of Toronto.

Leadership Changes/Progressions.

- **Todd Mainprize** was appointed as Deputy Surgeon-in-Chief at Sunnybrook Hospital.
- **Gelareh Zadeh** was appointed the Head of the Division of Surgical Oncology at University Health Network.

Royal College Fellowships. The following PGY6 residents successfully passed their FRCSC fellowship examinations: Abdulrahman Al-Dakkan and Alireza Mansouri.

I would like us to pause and reflect together on our challenges and accomplishments in 2016. It has been a difficult year but also a year of exceptional accomplishments. We are energized by our 4 new residents and 32 clinical fellows, who bring their talents and enthusiasm from around the world. I thank each of our Faculty, fellows and residents for all that they do for our Division family. The strength and success of our world-leading program is built on their outstanding contributions.



Launch of New Book for Thieme on Skull Base Surgery



Annual Neurosurgery Charity Softball Tournament



Division of Orthopaedic Surgery

Peter C. Ferguson, MD MSc FRCSC, *Albert and Temmy Latner Chair*

The focus of the 2016/2017 academic year was the early stage of implementation of the Division of Orthopaedic Surgery's 2016-2021 Strategic Plan entitled "Global Leadership Through Innovation and Collaboration", along with development of our new Divisional Website.

The Education group, led by Markku Nousiainen, continued work on improving our presence and profile in undergraduate education. To this end, Jeremy Hall was appointed the Undergraduate Education Director for Department of Surgery. We also took on the role as test program for "Entrada", an electronic application that will be the new standard for smartphone based resident assessment, which is a key component to the continuation of our highly successful and world-renowned Competency Based Curriculum.

The Research group, led by Albert Yee, commenced initiatives to promote collaborative research across the city. Furthermore, we maintained a high level of support for our residents showing interest in Surgeon Scientist Program, our surgeon-scientists and early career investigators. The Orthopaedic Surgeon-Scientist Training Program Scholarship was developed to help support residents who are embarking on graduate training, to promote academic excellence.

With respect to Faculty Development and Leadership, 100% compliance with the Departmental open search process for new faculty has been reached. Furthermore, promotion of late career transition was undertaken and supported the appointment of new faculty in various sites across the city.

In the field of Integration, Advocacy and Outreach, we continued advocating for funding based on solid costing evidence, ensuring our prominent role in the Toronto Central LHIN is maintained. Expansion of CME offerings and enhanced engagement with alumni, primary care and allied health personnel, were highlighted as priorities. Initiatives were undertaken to establish better and closer relations with our alumni, where, we hope, our new website will play a key role.

Our University Wide Rounds for the academic year were given by Tim Daniels and Johnny Lau (Toronto), Sarah Ward (Toronto), Sanjiv Kakar (Rochester, MN), James Stannard (Columbia, Missouri) and Andrea Veljkovic (Vancouver). We had the sixth Stefanski lecture in communication for orthopaedists. Laura Beauparlant (Lab Creative) was our lecturer. She is an award-winning public speaker, offering inspirational and passion-filled presentations on design and branding to corporate audiences, as

well as entrepreneurs and individuals. The title of her talk was: "Beyond Bones: My Mental Health Mentors". At our annual research day held in November, Ranjan Gupta provided an inspirational lecture on "Problem of Human Nerve Injury: Species Specific Findings versus Functional Neural Regeneration". The Robin Sullivan Award for best resident research project went to Daniel Pincus. This year our annual Division of Orthopaedics Junior Faculty Research Award went to Dr. Paul Kuzyk.

Our Graduation Day Visiting Professor was Seth Leopold. He gave a fabulous and very informative and educating "Getting the Most from What You Read" talk as his Salter lecture. The award for best academic resident, as voted by the faculty, went to Andrea Chan and Brandon Girardi, and the Borna Meisami award for most compassionate resident, as selected by the faculty, went to Andrea Chan. Lawson Awards went to: Norah-Faye Matthies (PGY 4), Justin Chang (PGY 3), Tan Chen (PGY2) and Aouod Agenor (PGY 1). The R.I. Harris awards for the best research presentation at Graduation Day went to Ryan Katchky. The award for best debate went to Robert Ravinsky and Ryan Wolek. The James Waddell award for the best PGY 4 resident was awarded to Kim Tsoi and Sam Park. Mark Camp received the Divisional Award for Best Teacher as selected by the residents.

We welcomed 3 new faculty members this academic year – Amit Atrey (St. Michael's) Tim Leroux (Toronto Western) and Bheeshma Ravi (Sunnybrook). We are looking forward to great contributions from them over the next several years.

We had 3 faculty members who were promoted as of July 1, 2017. Simon Kelley and Markku Nousiainen were promoted to the level of Associate Professor and Raj Rampersaud to the level of Full Professor. This is the ultimate academic achievement at the University and is a measure of the outstanding contributions that they have made to orthopaedics. Congratulations to all three of them.

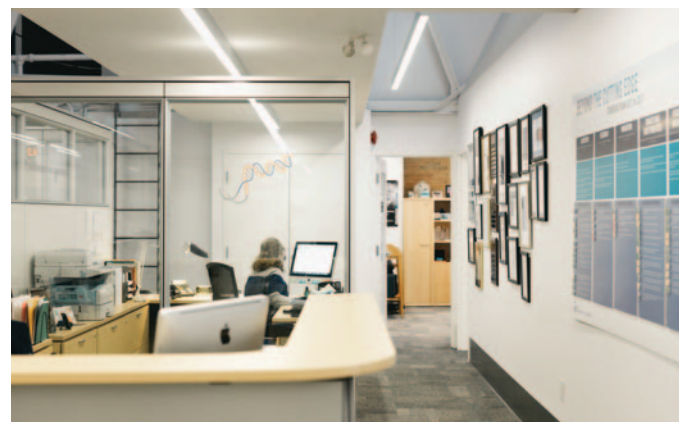
There were several awards bestowed upon our faculty members and residents. Jeremy Hall won the Bruce Tovee Undergraduate Teaching Award. Geoff Fernie won the Lister Prize award. Bheeshma Ravi was awarded the 2017 COA North American Travelling Fellowship. Andrew Howard won the Paediatric Orthopaedic Society of North America's Huene Memorial Award. Paul Marks was awarded the Inaugural Susanne and William Holland Chair in Sports Medicine Research at Sunnybrook. David Backstein became an Associate Editor for the Journal of Arthroplasty.

At our 8th Annual Fellowship Day, The Michael Garron Hospital was selected as the best educational fellowship program. The best fellow teachers within the division, selected by the residents, were Tyler MacGregor, Ian Mayne and Ryan O'Shea. Finally, the best research presentations of the day were awarded to William Wood, Jesse Wolfstadt and Tommy Primeau.

All of our trainees were successful on their recent FRCSC exams. Congratulations to Andrea Chan, Brandon Girardi, Erin Gordey, Hafiz Kassam, Ryan Katchky, Robert Ravinsky, James Rofaiel, Evan Watts, Joseph Menna, Michael Olsen, Zachary Tan and Ryan Wolek. Best of luck to them as they embark on the next stage in their careers and profound thanks for all their hard work over the past several years.

We welcomed a fresh group of trainees to our program July 1st. These highly accomplished individuals are the future of our specialty. A warm welcome to Meshal Al Faraidy, Ahmed Al Khalifa, Ahmed Cherry, Graeme Hoit, Shahob Hosseinpour, Rafi Housain, James Lee, Jong (John) Lee, Valerie Lemieux, Lenny Radomski and Hayley Spurr. We all look forward to working with you over the next several years.

I'm sure there are myriad other awards and accolades that I could mention, these are but a few. I apologize if I've forgotten anything. Thanks to everyone for your tremendous support of our division and program over the past year. I'm incredibly excited about our collective future!



Faculty Development Day



Division of Plastic & Reconstructive Surgery

Christopher Forrest, MD, MSc, FRCSC, FACS, Chair

The division has once again expanded tremendously and has grown into a consolidated group of **55** surgeons, 3 senior scientists, 28 residents and 17 fellows working at 12 units in 11 teaching hospitals in the greater Toronto area all under the University of Toronto academic mission. I am pleased to report that the Division of Plastic and Reconstructive Surgery continues to move from strength to strength and highlight the academic achievements of the past year. I would say that our spotlight shines brightest on the Surgeon-Scientist Training Program which has been well represented by the efforts of our two PhD graduates, Dr. Joseph Catapano (supervisor: Dr. Greg Borschel) and Dr. Dale Podolsky (supervisors: Drs. Jim Drake and Chris Forrest) who have performed ground-breaking and innovative research into peripheral nerve regeneration and surgical simulation and application of robotics and that doesn't include work being done by Natalia Ziolkowski (supervisor: Dr. Joel Fish), Mélissa Roy (supervisor: Dr. Steve McCabe) and Hélène Retrouvey (supervisor: Dr. Toni Zhong). We have a remarkable group of young trainees pushing the envelope of our specialty.

Recruitment:

Sharon Kim was recruited as an Assistant Professor in the Division of Plastic & Reconstructive Surgery, University of Toronto and began her staff appointment at the Queensway Health Centre – Trillium Health Partners in Mississauga in January 2017.

Mary-Helen Mahoney was recruited as an Assistant Professor in the Division of Plastic & Reconstructive Surgery, University of Toronto and began her staff appointment at North York General Hospital in April 2017.

Congratulations and a huge thank-you to outgoing Program Director, **Dr. Mitch Brown**. Mitch completed 10 years as Program Director from 2007 to 2017.

Promotions:

Rob Cartotto (Ross Tilley Burn Centre) was promoted to **Full Professor**

Faculty and Resident Grants

We are very fortunate and proud of the exceptional talents and accomplishments that have been achieved by our esteemed faculty as well as our residents in the last year. We have had 21 grants secured ranging from \$10K to \$1M. _

Numerous awards and honours were bestowed upon our residents which included the following: **Joseph Catapano:** Clinical Paper Award, 62nd Annual Meeting of Plastic Surgery Research Council (PSRC), 2nd Prize, 2017 Gallie Bateman and McMurrich Resident Research Competition, Department of Surgery, University of Toronto; Allergan Prize for Best Basic Science Presentation, Division of Plastic and Reconstructive Surgery Research Day, University of Toronto; Surgical Alumni Fellowship, Department of Surgery, University of Toronto; CIHR Frederick Banting and Charles Best Doctoral Research Award, Canadian Institute of Health Research (CIHR)

Huge congratulations to Joseph and Dale for taking 2nd and 3rd prizes in the Gallie-Bateman competition for their work! This is a great reflection of the academic work that our division is doing!

Dr. Matt Murphy won this year's D.R. Wilson award. His paper was also selected as one of the top Paper Presentations at Plastic Surgery The Meeting 2016 in Los Angeles. (Supervisor Dr. Oleh Antonyshyn (Sunnybrook Health Science Centre)).

Drs. Natalia Ziolkowski and **Hélène Retrouvey** (SSTP's) were recipients of the Faculty of Medicine 2016 Research Awards. Natalia was awarded the Edward Christie Stevens Fellowship in Medicine. (Supervisor: Dr. Joel Fish). Helene was given the Ellen Epstein Rykov Memorial Prize for work to be done on the delivery of health care with respect to breast reconstruction during her 2 year MSc under the supervision of Dr. Toni Zhong. Hélène has been awarded Best Oral Presentation award for Issues in Cancer Care at the 2017 Institute of Health Policy, Management and Evaluation (IHPME) Research Day. (Dr. Heather Baltzer). She also received the Frederick Banting and Charles Best Canada Graduate Scholarships, Canadian Institutes of Health Research (CIHR) for her MSc thesis project with Dr. Toni Zhong. Also was given the Surgical Alumni Association Award, Department of Surgery, University of Toronto.

Mélissa Roy

- Canadian Institutes of Health Research (CIHR) – Frederick Banting and Charles Best Canada Graduate Scholarship Master's (CGS M)
- Surgical Alumni Fellowship in Surgical Science (OSOTF) Award, University of Toronto
- School of Graduate Studies (SGS) Conference Grant Winter-Spring University of Toronto

Kevin Zuo - CIHR Canada Graduate Scholarship for \$17,500.

Dr. Dale Podolsky's (Supervisor: Drs. Jim Drake and Chris Forrest) work on the cleft palate simulator was featured as the top story on the Canadian Medical Association website which focused on the winners of Innovation Grants received from Joule. Dale also received the Owen Cole Memorial Scholarship at the 13th International Congress on Cleft Lip/Palate and Related Craniofacial Anomalies, Chennai, India. 2017.

Giancarlo McEvenue: *Runner-up Trainee Abstract Award \$250, June 2017:* North American Refugee Health Conference, Toronto, Canada; ***Best Clinical Research Paper \$1000, March 2017:*** Resident Research day, Division of plastic & Reconstructive Surgery, Toronto, Canada

Congratulations to **Dr. Joan Lipa** (Sunnybrook Health Sciences Centre) for her recent appointment as a Director of the Board for The American Board of Plastic Surgery, Inc. for a 6-year term.

James Mahoney: was awarded the Division of Plastic and Reconstructive Surgery Chair's "Above and Beyond" award 2016-2017.

Linda Dvali Arnis Freiberg Faculty Teaching Excellence Award. 2016-2017.

Heather Baltzer: 2016-2017 2nd Annual Division of Plastic and Reconstructive Surgery Early Career Award.

Oleh Antonyshyn: Ronald M. Zuker Award 2016-2017.

Marc Jeschke: 2017 May - Educating Beyond Sunnybrook Award. Annual Sunnybrook Education Advisory Council (SEAC). Sunnybrook Health Sciences Centre. 2017 April - Clinical Research Award and Top 6 abstracts. Rehou S, Mason S, Shahrokhi S, Jeschke MG

Kyle Wanzel: Division of Plastic Surgery Teaching Award (Department of Surgery, St. Joseph's Health Centre). Best Clinical Research Paper (Division of Plastic Surgery Resident Research Day - Supervisor for Giancarlo McEvenue). Feb 2017

Continuing Medical Education

6th Annual Breast Reconstruction Awareness Day (BRA Day) was held on October 19, 2016, at the Centre for the Arts, St. Michael's College School. The event was co-hosted by the Willow Breast Cancer Support Group. Breast cancer survivors, patients and medical experts gathered for this event to learn more about breast reconstructive surgery post-mastectomy. A group of five panelists, including Women's College Hospital's Dr. Mitchell Brown, founder of BRA Day, Dr. John Semple, WCH's chief of surgery, Dr. Laura Snell (Sunnybrook), Dr. Tulin Cil (UHN), Dr. Claire Holloway (Sunnybrook), & Dr.

Joan Lipa (Sunnybrook), each took the stage to discuss various topics surrounding breast reconstruction. The audience was also given the opportunity to listen firsthand to two breast cancer survivors who both shared their remarkable stories. The event also included a "show-and-tell" lounge, where a group of 15 courageous volunteers bared their chests to attendees in order to give them a firsthand perspective on what breast reconstruction looks and feels like.

BRA Day, which formed a formal partnership this year with Willow Breast Cancer Support Canada, is now internationally recognized in almost 30 countries and is open to the public each year.

2nd Medical Student Career Night held on November 16, 2016 with an attendance of over 115 medical students at the Peter Gilgan Centre for Research and Learning designed to showcase the breadth and depth of Plastic and Reconstructive Surgery.

The 17th Annual Toronto Breast Symposium was held on March 30, 2017 at the King Edward Hotel. Congratulations to Chair Dr. Mitch Brown and Co-Chairs Drs. Brett Beber and Kyle Wanzel for putting on a spectacular program. Over 312 people were registered for this event which included visiting guests **Dr. Steven Jacobson** from Rochester, MN as the **J. Michael Drever lecturer** as well as **Dr. Dan Delvecchio** as the **The ASAPS Visiting Professor Annual Lecture** from Boston, MA and **Dr. John Kim** from Toronto. The meeting was a great success and congratulations to Mitch, Brett, and Kyle for continued success in the future.

The 47th Annual Aesthetic Plastic Surgery Symposium was held on March 31st, - April 1, 2017. Congratulations to Course Director and Lecturer Dr. Jamil Ahmad and Course Co-Chairs Drs. Tom Bell and Frank Lista. This year the invited faculty included **Dr. Dan A. Delvecchio** from Boston, MA, as the **University Aesthetic Lecturer**; **Dr. Louis P. Bucky**, from Philadelphia, PA as the **University of Toronto Visiting Professor**; **Dr. Joseph P. Hunstad** from Huntersville, NC as the **Walter J. Peters Lecturer**; **Dr. Rod J. Rohrich** as the **W.R.N. Lindsay Lecturer** from Dallas, TX; Over 312 people were registered for this conference which was held at the King Edward Hotel and it covered another scope of aesthetic plastic surgery from the anatomical basis of blepharoplasty to perils in creating a comprehensive plastic surgery practice.

2nd Lindsay Research Competition 2017

On behalf of the Division of Plastic and Reconstructive Surgery at the Hospital for Sick Children, thank you to all presenters for their high-quality series of presentations at the Lindsay Research Competition held on Wednesday, June 2, 2017. The judges were impressed by all of the presentations in terms of quality, content and presentation. Congratulations to the winner of this year's Lindsay Research Prize, Dr. Simon Filson who presented his work entitled "The SickKid's Cleft Speech Rating Tool. Congratulations as well to his co-authors Simone Fischbach and Paula Klaiman!

UoT GTA Lecturership Series

In an attempt to bring academic and community partners together in a combined social and educational setting, we had held a series of dinner lectures (started in 2014–2015) and these lectures have continued to appeal greatly to our PRS community. These evenings have been held centrally at The University Club with well-known experts in the field to share their expertise in an informal and enjoyable setting. The first dinner lecture of the 2016–2017 academic year was arranged on October 13, 2016 with **Dr. Heather Furnas** from Santa Rosa, CA who gave a talk on “Social Media and the Plastic Surgeon”.

The second dinner was held on November 10, 2016 with visiting speaker **Dr. William M. Kuzon, Jr.** who is the Reed O. Dingman Professor of Surgery in the Section of Plastic Surgery at the University of Michigan. He delivered a terrific lecture “Gender Affirming Surgery – Top to Bottom.” Dr. Kuzon is a member of many national specialty societies and performs a wide array of cosmetic and reconstructive surgical procedures, including the reconstruction of patients with facial paralysis, the management of difficult wounds, the management of patients after weight loss, and the management of defects resulting from the excision of sarcomas and other forms of cancer. Dr. Kuzon is also the director of surgical services for the University of Michigan Comprehensive Gender Services Program and has performed a large number of gender-related procedures.

The third talk for the academic year was held on January 18, 2017 and featured **Dr. James Grotting**, Clinical Professor of Plastic Surgery at The University of Alabama at Birmingham and The University of Wisconsin, Madison. He is the founder of his private practice in Birmingham, Alabama. He has been listed for 22 consecutive years in “The Best Doctors in America.” He is a director and senior examiner for the American Board of Plastic Surgery and is a fellow of the American College of Surgeons. Dr. Grotting is the President of the American Society for Aesthetic Plastic Surgery (ASAPS) which is the world’s largest organization of board certified plastic surgeons devoted to the teaching of aesthetic (cosmetic) plastic surgery. He is also a member of the American Society of Plastic Surgeons, and the prestigious American Association of Plastic Surgeons. He is past president of the Southeastern Society of Plastic and Reconstructive Surgeons. Dr. Grotting has been a traveling Professor for both the Plastic Surgery Foundation and the American Society for Aesthetic Plastic Surgery. In 2014, he served as the International Traveling Professor for ASAPS. He is the founder of CosmetAssure, an insurance program that covers unexpected financial exposure for patients from complications in cosmetic surgery. Dr. Grotting gave a wonderful lecture on “Personal Evolution of Facial Rejuvenation—Toward Simplification Without Compromising Results”.

The fourth talk for the academic year was held on April 20, 2017 and was given by **Dr. Liza Wu**, Godina Visiting Professor of the ASRM from Philadelphia, PA. Her talk was entitled “Evolution of Breast Reconstruction”.

The fifth and final talk of the academic year was held on May 11, 2017 and was given by **Dr. Nolan Karp**, Professor, Hansjorg Wyss Department of Plastic Surgery at the NYU School of Medicine in New York. His talk was “Short-Scar Breast Reduction Made Easy”.

2017 Hoyle Campbell Visiting Professor

This year’s Hoyle Campbell Visiting Professor event was held over a 2 day period: Feb. 23–24, 2017 and was held at the Peter Gilgan Learning Centre. The invited visiting professor was **Dr. G. Patrick Maxwell** is a board-certified Nashville plastic surgeon who is nationally and internationally renowned for his achievements and advances in breast and aesthetic surgery. He is a graduate of Vanderbilt University and Vanderbilt University School of Medicine, and received his surgical training through general and plastic surgery residencies at Johns Hopkins Hospital in Baltimore, Maryland. He provided some interesting insights into Evolution, Current State, and Future of Breast Reconstruction.

15th Annual Ralph T. Manktelow Lectureship

The 15th Annual Ralph T. Manktelow Lectureship in Hand Surgery was held at the Toronto Western Hospital on Friday October 14th, 2016 and this year’s invited guest lecturer was **Dr. Steve Moran** from the Mayo Clinic, Rochester, MN. Dr. Moran is the Chair of the Division of Plastic Surgery and Reconstructive Surgery and the surgical director of hand transplantation at Mayo Clinic’s Essam and Dalal Obaid Center for Reconstructive Transplant Surgery. His clinical practice focuses on disorders of the upper extremity as well as microsurgical reconstruction of traumatic and oncologic defects, with primary interests in congenital hand surgery and wrist arthritis and he carries an extensive research program in regenerative medicine for reconstruction of skin and tendon defects, vascularized composite allotransplantation of the hand and face, as well as the cause and treatment of wrist arthritis. Steve lectured on the application of vascularized bone grafts for hand reconstruction. The day was capped off with a surgical skills course demonstrating small joint arthroplasty in the hand and wrist.

13th Annual Lindsay-Thomson Symposium in Paediatric Plastic Surgery

In 2003, the first Lindsay-Thomson Pediatric Plastic Surgery Symposium was held at the Hospital for Sick Children. This CME event was designed to acknowledge the contributions and achievements of our mentors and teachers, Drs. W. K. Lindsay and H. G. Thomson who collectively accumulated 90 years of clinical practice at the Hospital for Sick Children, by showcasing what is going on in the division. This year’s symposium was held on June 2, 2017. Through the generosity of Vale, a lectureship has been established dedicated towards Pediatric Craniofacial Disorders. The Educational Foundation of the Canadian Society of Plastic Surgeons also has provided support for this year’s Symposium. Jeffrey R. Marcus, MD is this year’s Vale Visiting Professor and comes to us from Duke University School of Medicine, Durham, North Carolina. He has just recently been appointed the new Chair of the Division

of Plastic Surgery. The recipient of this past year's award was Dr. Joseph Catapano "Corneal Neurotization: Investigation a Surgical Solution for Neurotrophic Keratitis".

Graduation Gala Event

The highlight of the academic year is the Graduation Gala Dinner that celebrates the successes of the graduating class and recognizes some important contributors within the division. On June 29th, 2017, the Division hosted the gala at Casa Loma and invited back all of its alumni, with special recognition given to those alumni who graduated in 2017, 2007, 1997 and 1987. For those distinguished alumni and pioneers of our specialty who couldn't make it at the inaugural ceremony in 2016, they were invited back this year to receive their special Chairman's Medal. Even our oldest alumni, Dr. Leslie Chasmar (graduate of 1956), came out to celebrate with us again.

Royal College Fellowship

Congratulations to the class of '17! We are all delighted to celebrate the success at the recent Royal College Fellowship exams of all four of our senior residents: **Dr. Victoria Hayward, Dr. Mike Hendry, Dr. Giancarlo McEvenue,** and **Dr. Matt Murphy.**

Exciting news: Our website now has a dedicated Research Whiteboard created to streamline all requests from interested

medical students and resident trainees both locally and internationally on current research projects available. This whiteboard is intended to be updated in realtime by each faculty supervisor responsible for their own listed projects which will keep the database current.

<https://www.uoftplasticsurgery.ca/research-projects/>

Research agreements can be found via the following link:

<https://www.uoftplasticsurgery.ca/research/research-agreement/>

Medical students looking to arrange an elective or observership should be directed to our website's **Education page**. All pertinent information for electives, observerships, residency training and fellowships can be found there with clear instructions for each.

Our website enjoys an increased interest from visitors who now spend 50% more time on the website than before, and view 8% more pages per visit. 70% of our visitors are from Canada, with the rest coming from USA, UK, India, Brazil, Saudi Arabia, Australia, and other countries.

I hope that you will take the opportunity to explore and utilize the many aspects of this user-friendly and informative website: <http://www.uoftplasticsurgery.ca/>





Division of Thoracic Surgery

Thomas Waddell, *Chair*

Dr. Marcelo Cypel received a New CIHR Project Grant as the Principal Investigator, entitled: Lung Transplantation using Hepatitis C Positive Donors to Hepatitis C negative Recipients: A Safety trial (term 5 years, total amount 612,000 CAD). Dr. Cypel is one of the recipients of the first UHN Innovation Funds in Surgical Oncology (IF-SO), (Collaborative Grant), Division of Thoracic Surgery, UHN, *Localized Therapies for Pulmonary Metastases Combining Immunotherapy with Interleukin-12 and Chemotherapy using in vivo Lung Perfusion*. He also renewed his Canada Research Chair in Lung Transplantation (term 5 years, total amount 500,000 CAD). Dr. Cypel has been selected to receive funding from the CCSRI competition, and he also received an Innovation to Impact Grant from the Canadian Cancer Society.

Dr. Maurice Blitz, Program Director for Surgical Foundations at the University of Toronto, has been recognized for all of his efforts in providing support in the training for all our surgical residents across the country and the important support that he has provided to the Surgical Foundations Advisory Committee at the Royal College of Physicians and Surgeons of Canada.

Dr. Marc de Perrot developed the world's first pulmonary endarterectomy simulator in an effort to decrease the length of time it takes new surgeons to learn the technique.

Dr. Kazuhiro Yasufuku has been appointed as the Deputy Head of the Division of Surgical Oncology at UHN. He has also

received the Distinguished CHEST Educator Award – a national-level recognition of excellence in continuing medical education. The Distinguished CHEST Educator (DCE) is a new distinction that is awarded to CHEST members that have maintained a large volume of high-quality CHEST education delivery and design over the prior three years and have participated in formal faculty development in CHEST or other programs.

We invited Dr. Joseph B. Shrager from Stanford University, California, as our Visiting Professor for our 14th Annual Pearson Day that was held on June 9th, 2017.

We invited Dr. Hiroshi Date from Kyoto University, Japan, as our Visiting Professor for our 1st Toronto Update on Lung Transplantation and Artificial Lung Support Conference that was held on June 1, 2017.

We invited Dr. Hiroshi Date from Kyoto University – Japan, Dr. Moishe Liberman from the University of Montreal, Dr. Raja Flores from Mount Sinai Hospital – New York, Dr. Shanda Blackman from the Mayo Clinic – Rochester, Minnesota, and Dr. Olaf Mercier from Marie Lannelongue Hospital – France as our Visiting Professors for our 43rd Toronto Thoracic Surgery Refresher Course held on June 2-3, 2017.

In Memoriam, Dr. Griff Pearson (1926-2016) passed away August 2016.

WEDNESDAY 5 APRIL 5:00-6:00 PM
Peter Gilgan Centre for Research and Learning
2nd Floor, Event Room 2A/B
686 Bay Street, Toronto ON

3RD ANNUAL
BALFOUR LECTURE
IN SURGICAL ETHICS

MARTIN MCKNEALLY, MD, PHD
"Surgical Ethics Lessons from Surgeons and Their Patients"

LEARN:

- The definition of the Ethic of Surgery
- What patients and surgeons say about surgical consent
- Results of research in surgical ethics in Toronto
- Effective oversight of Surgical Innovation

LIVE WEBCAST INFO!
<https://jcb.adobeconnect.com/bioethicseminary/>



Balfour Lecture



Division of Urology

Neil Fleshner, *Chair*

This academic year was another time period filled with academic success and significant scholarly activity. There are too many to list in a one-page summary. However, there are a few achievements that deserve mention.

From a residency perspective, all of our graduates successfully completed their Royal College exams. Four of our residents are now in the SSTP with at least 3 pursuing PHD's. Drs Alaina Garbens, Mitchell Goldenberg, Keith Lawson and Christopher Wallis all secured bursaries, scholarships or grants. Drs. Whelan, Vangala, Hussaen and Remondini were welcomed into the program.

From a faculty perspective, Continuing Appointment Reviews were successfully completed by Drs Ordon and Hamilton. Dr Kulkarni was promoted to Associate Professor. All of our faculty were highly sought as visiting professors. Dr Jason Lee took over from Dr Stewart as our residency program director. Teaching awards were secured by Drs Nam, Farhat, Kodama and Kulkarni. Academic productivity has never been higher with 397 peer-reviewed papers published and numerous peer-reviewed grants (many in the millions of dollars) funded. Grant awardees include Drs Perlis, Bagli, Jarvi, Lo, Zlotta, Klotz, Nam, Fleshner, Hamilton, Finelli and Kulkarni.

Visiting Professors included Drs Montorsi (Milan) and Russo (New York). Award winners at our Annual Robson day were Drs Hird, Farcas, Guy, Lawson, Fernandez and Kamdar.

Major initiatives this year will include an International Program in Malawi with the help of Dr Rajiv Singal as well as the Competency By Design adaptation. We are also looking forward to our upcoming internal review and well as the first Journal Clubs with community faculty.



Departmental Hockey Tournament, Sunday, March 19, 2017



Division of Vascular Surgery

Thomas Forbes, *Chair*

The 2016/17 academic year was another successful one for the Division of Vascular Surgery. Our graduating residents were successful at their Royal College exams. Congratulations to Drs. Charles de Mestral and Sarah Morrissey. We celebrated the retirement of Dr. Wayne Tanner and welcomed two new faculty members, Dr. Charles de Mestral at St. Michael's Hospital and Dr. Ahmed Kayssi at Sunnybrook. Vascular Surgery continues to espouse the principles of our vision, "*United in a Tradition of Leadership, Discovery and Excellence*".

Leadership:

Faculty surgeons continue to lead locally, nationally and internationally. Dr. Thomas Lindsay continues as Chair of the Royal College of Physicians and Surgeons Specialty Committee in Vascular Surgery. Dr. George Oreopoulos is now Chair of the Education Committee of the Canadian Society for Vascular Surgery while Dr. Graham Roche Nagle is now Chair of the Quality Committee. Dr. Thomas Forbes continues as Associate Editor of the Journal of Vascular Surgery and Chair of the Society for Vascular Surgery's Document Oversight Committee, responsible for the development of evidence based clinical practice guidelines. The Vascular Care Working Group of CorHealth Ontario contributes to the coordination of care throughout the province, Dr. Forbes chairs this group and other participating U of T faculty include Drs. Lindsay, Andrew Dueck, K. Wayne Johnston and Marc Pope. At UHN, Dr. Barry Rubin continues to lead the Peter Munk Cardiac Centre as Medical Director and Dr. George Oreopoulos, our Residency Program Director, is the Director of Postgraduate Surgical Education at UHN. Dr. Dueck, Division Head at Sunnybrook, was also named the endowed Magissano Chair in Vascular Surgery at Sunnybrook.

Discovery:

The year marked unprecedented academic productivity as measured by publications and grants. U of T faculty and residents had 19 presentations at the CSVS Meeting in Halifax where Dr. Trisha Roy won the Cook Research Award. Residents and faculty presented at other meetings throughout the year including the Society for Vascular Surgery meeting in San Diego. Other research awards included the Young Investigator Award for Stroke Research awarded to Dr. Mohamad Hussain at the European Society of Cardiology Meeting in Rome and the Award for Best Presentation at the Winnipeg Vascular Symposium awarded to Dr. Miranda Witheford. Dr. Mohammed Al-Omran was awarded the Charles Tator Surgeon-Scientist Mentoring Award for his

outstanding mentoring of over 30 undergraduate research students, research fellows, scientists and vascular surgery residents enrolled in the Surgeon Scientist Training Program. Dr. Al-Omran's dedication to the promotion of surgeon-scientists is illustrated by his philosophy, "I am here to promote you". Drs. John Byrne and Charles de Mestral were successful in this year's Blair Foundation Innovation Fund in Vascular Surgery grant competition. An important addition to our Division's research support was the introduction of the Blair Early Career Professorship program which supports an early career surgeon-scientist at each of the 3 main academic hospitals. The inaugural professorships were awarded to Drs. John Byrne, Ahmed Kayssi and Mohammad Qadura. We also benefitted greatly by a series of visiting professors including Dr. James Black from Johns Hopkins, Dr. Matt Eagleton from Cleveland Clinic and the 6th Annual K. Wayne Johnston Lecturer, Dr. Marc Schermerhorn from Harvard.

Excellence:

Dr. Graham Roche Nagle's sustained excellence in undergraduate education was recognized with the W.T. Aikins Award, the most prestigious Faculty of Medicine award for commitment to undergraduate education. The second annual National Vascular Surgery Bootcamp was a huge success with first year residents attending from across the country including those from McMaster, Calgary, Western, McGill, Laval and U of T. The bootcamp's success was largely due to its faculty coordinators, Drs. Mark Wheatcroft and George Oreopoulos and the resident coordinator, Dr. Miranda Witheford. The highlight of the academic year was our annual Research Day and Graduation Dinner where we were joined by Dr. Marc Schermerhorn from Boston. The residents and fellows voted for the top teacher among the faculty surgeons and residents. Congratulations to Drs. Mark Wheatcroft (St. Michael's Hospital) and Charles de Mestral for winning the faculty and resident awards respectively.



The Hospital For Sick Children

Christopher A. Caldarone,
Surgeon-in-Chief
 Dr. Robert B. Salter,
 Chair in Surgery

Division of Cardiac Surgery

Dr. C.A. Caldarone	Professor
Dr. J Coles	Professor
Dr. E. Hickey	Assistant Professor
Dr. O. Honjo	Associate Professor
Dr. G.S. Van Arsdell	Professor (Division Head)

Publications	29
Grants	1

Division of General Surgery

Dr. G.R. Azzie	Associate Professor
Dr. P.P.I. Chiu	Assistant Professor
Dr. A. Fecteau	Associate Professor
Dr. J.T. Gerstle	Associate Professor
Dr. S. Himidan	Assistant Professor
Dr. J.C. Langer	Professor
Dr. A. Pierro	Professor (Division Head)
Dr. P. Wales	Associate Professor
Dr. A. Zani	Assistant Professor

Publications	44
Grants	1

Division of Neurosurgery

Dr. P.B. Dirks	Professor
Dr. J.M. Drake	Professor (Division Head)
Dr. A.V. Kulkarni	Professor
Dr. J.T. Rutka	Professor
Dr. M.D. Taylor	Professor

Publications	39
Grants	11

Division of Orthopaedics

Dr. M. Camp	Assistant Professor
Dr. M. Gargan	Associate Professor (Division Head)
Dr. S. Hopyan	Associate Professor
Dr. A. Howard	Professor
Dr. S. Kelley	Assistant Professor
Dr. M.L. Murnaghan	Assistant Professor
Dr. U.G. Narayanan	Associate Professor
Dr. J.H. Wedge	Professor
Dr. R. Zeller	Associate Professor



Publications	11
Grants	1

Division of Plastic and Reconstructive Surgery

Dr. G.H. Borschel	Associate Professor
Dr. H Clarke	Professor
Dr. K. Davidge	Assistant Professor
Dr. J.S. Fish	Associate Professor
Dr. D. Fisher	Associate Professor
Dr. C. Forrest	Professor (Division Head)
Dr. J. Phillips	Associate Professor
Dr. K.W-Y Wong	Assistant Professor
Dr. R. Zuker	Professor

Publications	17
Grants	3

Division of Urology

Dr. D.J. Bagli	Professor
Dr. W.A. Farhat	Professor
Dr. M.A. Koyle	Professor (Division Head)
Dr. A.J. Lorenzo	Associate Professor

Publications	17
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Cardiovascular Surgery

Dr. Christoph Haller joined the Division of Cardiovascular Surgery in 2017. He studied in the Tuebingen University Hospital in the department of Cardiovascular and Thoracic Surgery in Germany. His research interest in Transplantation and Ischemia. His research interests are Heart Transplantation, Ischemia, Milrinone, Pacemaker, Cardiac Output.

General & Thoracic Surgery

I would like to inform you that Dr Augusto Zani has just received a very prestigious and highly competitive CIHR grant: the “New Investigator Research Grants Program – CIHR”. Congratulations Augusto for this important accomplishment which testifies your great input and potential as Surgeon Scientist in the field of Congenital Diaphragmatic Hernia.

Neurosurgery

Please join us in congratulating Jim Drake for receipt of the Lifetime Achievement Award from the International Neuroendoscopy Society. This is yet another great honor for Jim and worthy of our greatest admiration.

Please join me in congratulating Peter Dirks and team in recognition of the recent publication entitled Fate mapping of human glioblastoma reveals an invariant stem cell hierarchy in the journal Nature!

Please join me in congratulating Michael Taylor on his recent receipt of a seven year CIHR Foundation Grant Competition award: “Heterogeneity through space and time drive the clinical behaviour of childhood medulloblastoma”. As you may be aware, funding awards through CIHR are rare and extremely competitive and Michael is to be highly commended for his success in this endeavor!

In a Canadian first, a team from SickKids and Mount Sinai Hospital has repaired a form of spina bifida in a fetus at 25 weeks gestation. The baby’s mother, Romeila Son, recovered very well from surgery, and a bouncing baby girl, Eiko, weighing 2.45 kg, was born on August 19 at 36 weeks gestation at Mount Sinai Hospital. Since her birth, Eiko has needed no further intervention for this usually debilitating condition. This is the first case in Canada where the mother has not had to travel to the United States for this specialized surgery.

Dr. Greg Ryan heads Canada’s largest and most experienced fetal therapy program at Mount Sinai Hospital and Dr. James Drake heads Canada’s largest and most established neurosurgical centre for the postnatal repair of spina bifida at SickKids. Working in collaboration with colleagues from Vanderbilt University in Nashville who pioneered the procedure, a team of 24 clinicians led by Drs. Ryan and Drake successfully carried out the 2.5 hour in-utero procedure at Mount Sinai on June 4, 2017.

Orthopaedic Surgery

May, 2017 Andrew Howard – recipient of Paediatric Orthopaedic Society of North America’s Huene Memorial Award. This is the premier research award in North American children’s orthopedics and recognizes both past contribution plus gives a small grant (\$30k US) for future work.

Plastic and Reconstructive Surgery

Urology

Ivan Silver Innovation Award – Walid Farhat is recognized for his involvement in the Paediatric Urology Laproscopy Course. The course has demonstrated innovation in a CME-accredited course in multiple ways.



Strategic Plan Retreat



Michael Garron Hospital

Carmine Simone,
Surgeon-in-Chief

The **Michael Garron Hospital (MGH)**, is a proud member of the Toronto East Health Network. We are eager to start construction on our new patient-care tower and hospital campus scheduled to start in 2018. The new facility, coupled with the MGH commitment to community-based healthcare, will ensure state-of-the-art equipment and patient-centered care programs. This will enable us to set a new standard in surgical care and surgical education.

Our Department vision is simple – we want MGH to be the best place to work as a community surgeon, the best place for our loved ones and patients to receive surgical care and the best place for our surgical learners to train.

The Department of Surgery at MGH has 4 core divisions, a shared division of critical care and a pediatric dentistry program. This past year has been a very active year for all divisions. The Surgical Health Service completed approximately 12,000 operative cases in Fiscal Year (FY) 2016/17. The Department of Surgery accounts for the largest proportion of cases within the Surgery Health Service.

Along with the rest of the organization, we support patient safety initiatives such as falls prevention, skin ulcer prevention, prevention of ventilator-associated pneumonia and prevention of blood borne central line-related infections. Our Department embodies the spirit of “*Setting a New Standard*” by focusing our scholarly activity to the following areas:

1. Quality integrated surgical care
2. Multidisciplinary oncology care
3. Teaching
4. Patient engagement

Quality integrated surgical care:

Dr. Mary-Anne Aarts continues as the site lead for Best Practice in Surgery and Enhanced Recovery after Surgery (ERAS). Dr. Aarts and **Dr. Jamie Cyriac** have been instrumental in the development and growth of our bariatric surgery program. We are looking forward to developing stronger relationships with our community partners to bring post-operative and medical bariatric care closer to home for our patients.

Our Division of Orthopedic Surgery, *a major focus for our Department*, sets the standard for fiscally responsible quality



patient-focused care. Our surgeons, anesthesiologists and nursing partners have been successful in dropping the wait times for surgery for hip fracture to one of the lowest levels in the city.

Under the leadership of **Dr. Peter Weiler**, our Division of Orthopedic Surgery has successfully reduced the length of stay (LOS) for post-operative patients by standardizing the surgical care, postoperative care plans and engaging the entire multiprofessional team. The Division of Orthopedics welcomes a new partner – **Dr. Dimitry Tsvetkov**. He joins our Department July 1, 2017.

Dr. Hany Sawires continues to lead the growth of our multidisciplinary Breast Diagnostic Clinic. The clinic focuses on breast cancer diagnosis and treatment however our clinic welcomes patients with any and all breast health concerns.

The Department’s thoracic surgery team welcomes a new partner – **Dr. Sayf Gazala** who joins our team July 1, 2017.

The thoracic surgery service is expanding its telemedicine commitment. We have been participating in Ontario Telehealth Network (OTN) clinics, which requires both patient and physician at OTN centers. We have successfully launched Personal Computer Video Conferencing (PCVC) which enable the physician to be anywhere while the patient still registers at OTN clinics. We have now embarked on SecureVideo that is completely secure 2-way video conferencing enabling patients and physicians to meet from anywhere.

We have re-located the endoscopy, bronchoscopy, cystoscopy and minor surgery suites to a large dedicated space creating a self-contained “surgicentre”. This was a combined effort from Departments of Surgery, Medicine, Anesthesia and Nursing and as a result we have been able to maximize efficiency in staff and equipment thereby driving down our costs and making a “one-

stop shop” for patients in our community. Our efforts were recognized by the MOHLTC as “innovative and ground breaking”.

Our Department is committed to supporting multidisciplinary surgical care to our community and strives to expand our services to include areas of specialization not otherwise offered at MGH. Our partnership with Sunnybrook Health Sciences Centre continues to grow and will expand to include:

1. Robotic Urology Surgery program;
2. Cardiac Surgery as part of our comprehensive cardiology program;
3. Radiation Oncology (credentialed through Department of Surgery) as part of our thoracic, breast, colon and prostate oncology programs.

Multidisciplinary Surgical Oncology:

We continue to work with our partners at the Odette Cancer Centre to strengthen our partnership. *Our surgical oncology program continues to be a major focus for our Department.* We are proud to represent our organization at Cancer Care Ontario (CCO) and have representation on several quality improvement committees at CCO in areas such as Lung Cancer, Esophageal Cancer, Prostate Cancer, Colon Cancer and Palliative Care. MGH surgeons are participating in CCO working groups developing quality standards for Lung Cancer Screening (**Dr. R. Zeldin**), Lung Cancer Treatment (**Dr. N. Safieddine**, **Dr. C. Simone**) and Prostate Biopsy (**Dr. R. Singal**).

The Thoracic Surgery program continues to be a major oncology focus for the organization. With strong collaborations with our Division of Medical Oncology and Respiriology, and our partnerships with Odette Cancer Centre, North York General Hospital, Royal Victoria Hospital and the University of Toronto Division of Thoracic Surgery. The MGH Thoracic Program is recognized as a shining example of collaborative, multidisciplinary, inter-hospital care providing exceptional service to one of the largest geographic areas in the province.

Dr. L. Tate, Dr. M.A. Aarts, Dr. L. Dvali and Dr. L. Erlich (Ophtho) represented MGH in The New Yorker photo challenge in April 2017.

Teaching:

The MGH Department of Surgery is still one of the most popular Departments for learners and is recognized within the University of Toronto as a leader in surgical education.

The Department teaching effectiveness score (TES) for residents continues to be above the city median TES. We have 10 of our surgeons (48% of our Department) have TES above the University mean and 2 of our surgeons have the highest University TES within their respective Division. Of note, the Division of Orthopedics was the highest ranked division by orthopedic surgery trainees at the University of Toronto.

MGH Department of Anesthesia has established a core thoracic anesthesia rotation for PGY5 anesthesia residents. This rotation serves as an example of the collaborative spirit of our Health Service members.

Dr. N. Safieddine has been instrumental in the creation of the Surgery Quality Improvement Curriculum that has become an important addition to surgical residency training at the University of Toronto.

Dr. Atul Kesarwani is involved in the Aesthetic Surgery Resident Teaching Program was invited as a visiting professor at the University of Rochester Medical Centre for facial plastic surgery (Nov 2016). **Dr. Jamie Cyriac** sits on the Postgraduate Education Committee for General Surgery, **Dr. Paul Wong** sits on the Postgraduate Resident Committee for Orthopedics and **Dr. Najib Safieddine** sits on the Postgraduate Education Committee for Thoracic Surgery. **Dr. Brett Beber** is the Resident Wellness Director at the University of Toronto Division of Plastic Surgery. **Dr. Rajiv Singal** leads the fellowship in Endourology and GU MIS. **Dr. P. Bernick** leads the fellowship in Community General Surgery and **Dr. Jihad Abouali** was awarded a MGH Collaborative Education Research Grant. **Dr. Linda Dvali** received the Arnis Freiberg Faculty Teaching Award for outstanding contributions to Plastic Surgery Resident Education. **Dr. R. Zeldin** was a visiting professor at Mt. Sinai Medical System, St. Luke’s Hospital, New York, NY (May 2017).

Dr. L. Tate, **Dr. M. Catre**, **Dr. P. Wong** and **Dr. H. Sawires** are preceptors for the new undergraduate Longitudinal Integrated Clerkship (LInC) initiative.

Dr. R. Singal has spent significant time working in Malawi, Kenya and Uganda to explore and develop programs enhancing surgical safety throughout Africa. Dr. Singal has established the Urology Global Health Fund at University of Toronto (<https://donate.utoronto.ca/give/show/307>) to support and expand the urology training program in Zomba, Malawi which he established.

Patient engagement:

We have been working with mobile technology start-up companies to develop SMS alerts and mobile device educational material for patients undergoing lung surgery. Pre operatively patients get alerted to stop certain medications or to prepare overnight bags. Post operatively patients can access educational material and enter data into a digital logbook that alerts patients if self-reported symptoms indicate a complication. The data is captured and surgeons can collect data on patients returning to ER, calling the office for assistance or going to the family doctor for problems.

Dr. M. Catre volunteered his time at the 2017 Invictus Games in Toronto as Head Medical Doctor, Swimming Med Team. I am looking forward to working with all of our University

colleagues and partners to continue to grow our program and our involvement in our community.

Respectfully submitted,

Dr. Carmine Simone
Surgeon-in-Chief

Publications:

Does study design affect redislocation rates after primary shoulder dislocations? A systematic review comparing prospective and retrospective studies. Gohal C, Rofaïel J, **Abouali J**, Ayeni OR, Pinsker E, Whelan D. *Arthroscopy* 33(10): 1876-1801 (2017).

Electronic consultation services: Tool to help patient management. **Abouali J**, Stoller J. *Can. Fam. Physician* 63(2): 135-136 (2017).

Regional differences in use of endoscopic ultrasonography in Ontario: a population-based retrospective cohort study. James P, Hegagi M, Antonova L, Tinmouth J, Heitman S, **Simone C**, Young E, Yong E. *CMAJ Open* 5(2):E437-E443 (2017).

Incidence and characteristics of needlestick injuries among medical trainees at a community teaching hospital: A cross-sectional study. Ouyang B, Li L, Mount J, Jamal A, Berry L, **Simone C**, Law M, Tai M. *J. Occup. Health* 20: 59(1): 63-73 (2016).

Improving prostate cancer care collaboratively – a multi-disciplinary, formal, consensus-based approach. Loblaw A, Barkin J, Buckley R, Chung H, **Kell J**, **Singal R**, Spodek J. *Can. J. of Urology* 24(1):8646 (2017).

Optimizing bariatric surgery multidisciplinary follow-up: A focus on patient-centred care. **Aarts MA**, Sivapalan N, Nikzad S-E, Serodio KJ, Sockalingam S, Conn LG. *Obesity Surg.* 27(3): 730-736 (2016).



Faculty Development



Mount Sinai Hospital

Jay S. Wunder, *Surgeon-in-Chief,
Rubinoff-Gross Chair in Orthopaedic
Oncology*

Division of General Surgery

Dr. Savtaj S. Brar	Assistant Professor
Dr. Zane Cohen	Professor
Dr. Rebecca Gladdy	Assistant Professor
Dr. Anand Govindarajan	Assistant Professor
Dr. Robert Neil Gryfe	Assistant Professor
Dr. Erin D. Kennedy	Associate Professor
Dr. Helen M. MacRae	Professor
Dr. Judith Andrea McCart	Associate Professor
Dr. Robin S. McLeod	Professor
Dr. Carol Jane Swallow	Professor (Division Head)

Publications	17
Grants	1

Division of Orthopaedics

Dr. D. Backstein	Associate Professor (Division Head)
Dr. P. Ferguson	Associate Professor
Dr. A. Gross	Professor
Dr. P. Kuzyk	Assistant Professor
Dr. O. Safir	Associate Professor
Dr. T. Willett	Assistant Professor
Dr. J.S. Wunder	Professor

Publications	40
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Division of Urology

Dr. K. Jarvi	Professor (Division Head)
Dr. K.C.L. Lo	Associate Professor
Dr. A. Zlotta	Professor

Publications	19
Grants	1

General Surgery

Zane Cohen led the General Surgery Division's commitment to host a Syrian refugee family, an effort to which all faculty and trainee members have contributed in some manner.

Erin Kennedy helped to lead the Department of Surgery at UofT with the patient-oriented best practices and quality initiative.

Robin McLeod continues with her leadership role at Cancer Care Ontario as Vice-President, Clinical Programs and Quality Initiatives.



Orthopaedics

Jay Wunder completed a 10 year term as Surgeon-in-Chief of the Department of Surgery at Mt Sinai Hospital. Because of his exemplary performance, he has been asked to consider an additional 5 years while the new operating rooms and patient facilities are being constructed.

Oleg Safir continues as the medical director of the Surgical Skills Centre (SSC), a centre which has received the ASPIRE-to-Excellence award in simulation. The award is given by AMEE, an international association for medical education. The actual award ceremony was granted in Helsinki Finland this past year.

Urology

Dr. Keith Jarvi continues in his role as site Chief. In addition he heads the Male Infertility Program and is Director of The Murray Koffler Urologic Wellness Centre (MKUWC). He continued his work and research in Infertility with projects funded by the NIH, Ontario Institute for Cancer Research, CIHR, Canadian Uro-Oncology Group, MaRS Innovation, Canadian Cancer Society Research Institute, Institut Merieux, Canadian Uro-oncology Group, PSI, and with non-peer review grants from GSK and Pierre Fabre Medicaments

Dr. Kirk Lo continued his research in Infertility with a multi-year grant funded by the National Institutes of Health and in projects funded by CIHR, MaRS Innovation, Canadian Cancer Society Research Institute, Canadian Uro-oncology Group, and PSI.

Dr. Alexandre Zlotta was invited speaker and/or Visiting Professor to Europe, Asia and South America. He continued his research with funding from Ontario Institute for Cancer Research, CIHR, Canadian Cancer Society Research Institute, and the Canadian Uro-oncology Group. This past year he made the important discovery of a prostate cancer lethal gene.



North York General Hospital

Lloyd Smith, *Surgeon-in-Chief*



Dr. Jeff Noakes
Dr. Les Spevack

Division Heads

General Surgery – Dr. Nancy Down
Orthopedics – Dr. Hossein Mehdian
Plastics – Dr. Bernd Neu
Urology – Dr. Roger Buckley

Division of General Surgery

Dr. Yasser Botros
Dr. Nancy Down (Division Head)
Dr. Stan Feinberg
Dr. Ian Forrest
Dr. Usmaan Hameed
Dr. Simon Iu
Dr. Neelesh Jain
Dr. Donna Mcritchie
Dr. Fahima Osman
Dr. Brian Pinchuk
Dr. David Smith
Dr. Peter Stotland
Dr. Natalya Zhang

Division of Orthopaedics

Dr. Robert Brock
Dr. Gladys Chan
Dr. Dale Dantzer
Dr. Herman Dhotar
Dr. John Faulkner
Dr. Shawn Garbedian
Dr. Hossein Mehdian (Division Head)
Dr. Ted Rumble
Dr. Christopher John Peskun

Division of Plastics

Dr. Yasser El-Sheikh
Dr. Mary-Helen Mahoney
Dr. Bernd Neu (Division Head)
Dr. Sean Rice
Dr. Petra Schiller
Dr. Ron Somogyi

Division of Urology

Dr. Roger Buckley (Division Head)
Dr. Stanley Flax
Dr. Nicole Golda
Dr. David Hajek

This has been a busy year in the Department of Surgery at North York General Hospital. The volume of emergency cases has continually gone up, putting pressure on our surgical services. North York General is heavily invested in the Acute Care model of care for looking after these urgent cases. We have dedicated acute care services in General Surgery, Orthopedics, Plastic Surgery and Urology. This includes protected daytime OR time in each of these areas. This model of care provides better access for our patients and improved surgical care. The acute care service in Urology is the first in Canada.

At NYGH we have worked very hard on keeping our surgical wait times low. Since 2012 we have been the provincial leaders in wait times for hip and knee replacement and cancer surgery. In 2016/17 North York General was given the awards by Cancer Care Ontario for best wait times for wait 2 (decision to treat to surgery) for the fourth year in a row, and for wait 1 (referral to consult) for the second year in a row. We have also been able to operate on greater than 96% of our hip fractures within 48hrs.

As part of the Choosing Wisely campaign we have restructured our preoperative assessment processes according to best practices. We have reduced our preoperative testing by 40% and our visits by 30%. These results have been sustained since 2015. The number of learners in the Department of Surgery has been steadily increasing. We are involved in the LINC program in clerkship and this has been highly successful. We have also been getting many students on elective from the University of Toronto and other Universities.

In General Surgery the number of residents has been slowly increasing. It is an extremely popular rotation for resident training. One of the reasons may be that there are no surgical fellows. This year a dedicated breast rotation was started that involves interdisciplinary training with medical and radiation oncology, radiology and pathology. We have also started an Interdisciplinary Care Collaborative in colorectal surgery which includes a dedicated nurse navigator for patients.

In Plastic Surgery the breast reconstruction program has been

highly successful and rapidly increasing in volume. Our Plastic Surgery Division started taking residents on an elective basis this year. We are hoping to increase the resident education over time.

In Orthopedics we had 2 retirements this year, Dr. Ted Rumble and Dr. John Faulkner. We have recruited Dr. Herman Dhotar to help us keep up the high volume of hip and knee replacement surgeries. Our orthopedic surgeons started to do the anterior approach for hip replacement this year. The Department of Surgery at NYGH has become part of the Surgical Safety Network using the “Black Box” technology for assessment of surgical performance. We held a fundraiser for this in the spring and have raised enough money to put this technology in 3 of our operating rooms in the near future. Overall this has been a very good year for us at North York General. We are looking forward to the challenges and opportunities that the coming year will bring.



Joint Lecture, Dept of Medicine & Surgery



St. Joseph's Health Centre

Chris Compeau, Surgeon-in-Chief

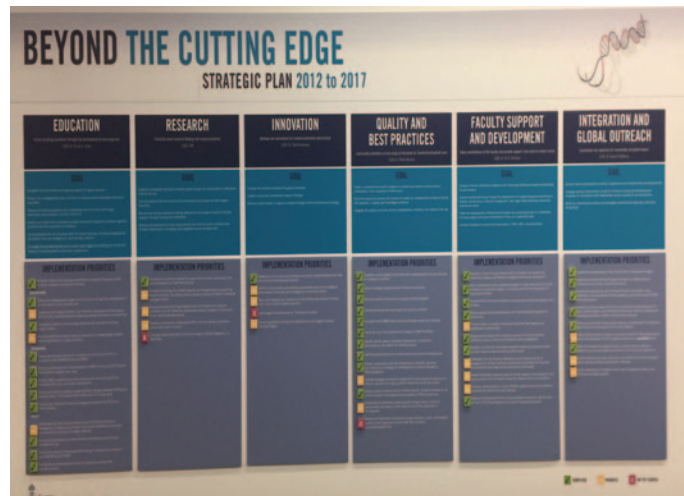
Division Heads

General Surgery	Paul Sullivan
Thoracic Surgery	Maurice Blitz
Orthopedic Surgery	Amr El Maraghy
Plastic Surgery	Craig Fielding
Urology	Umesh Jain

Clinical excellence in surgery as well as an outstanding educational experience for undergraduate, graduate and post-graduate trainees continues to be the hallmark of the Department of Surgery at St. Joseph's Health Centre. Annual surgical volumes have progressively increased in our priority programs (hepatobiliary, thoracic surgery, bariatrics, arthroplasties). Specifically we are a provincially recognized Level 1 centre for both thoracic surgery and hepatobiliary surgery and are a provincial centre of excellence for bariatric surgery. Dr. Melanie Tsang, currently completing a Masters in Clinical Trials, joined our HPB group this year.

From an educational perspective there has been an increase in the number of undergraduate, graduate and postgraduate medical trainees in our surgery program. In particular the Fitzgerald Academy in the University of Toronto, Department of Medicine has integrated St. Joe's into its core educational stream in Thoracic Surgery. We acknowledge and celebrate the outstanding contribution of educators within the department with annual divisional teaching awards which are voted on by surgical trainees. Many of our surgeons hold educational administrative leadership positions (Dr. Maurice Blitz – Director of Surgical Foundations, Department of Surgery, U of T; Dr. Ron Levine – Director of Postgraduate Education, Department of Surgery, U of T; Dr. Chris Compeau – Chair, Examination Committee Thoracic Surgery, Royal College of Physicians and Surgeons).

Undoubtedly the most significant event in the past year was the announcement that St. Joseph's Health Centre would merge on August 1, 2017 with St. Michael's Hospital and Providence Healthcare. This merger creates a health centre network with an approximate operating budget of one billion dollars. At this point it is unclear what impact this merger will have on the surgical programs at St. Mike's and St. Joe's however the potential for future clinical integration is exciting.





St. Michael's Hospital

Ori D. Rotstein,
Surgeon-in-Chief



Division Heads

Cardiac Surgery:	Dr. David Latter
General Surgery:	Dr. Nancy Baxter
Neurosurgery:	Dr. Julian Spears (Interim)
Orthopaedic Surgery:	Dr. Tim Daniels
Urology:	Dr. Kenneth Pace
Vascular Surgery:	Dr. Mohammed Al-Omran

Division of Cardiac Surgery

Dr. D. Bonneau	Associate Professor
Dr. D.A. Latter	Professor (Division Head)
Dr. M. Peterson	Associate Professor
Dr. S. Verma	Professor
Dr. R. Yanagawa	Assistant Professor

Publications	26
Grants	2

Division of General Surgery

Dr. N. Ahmed	Associate Professor
Dr. J. Ali	Professor
Dr. N. Baxter	Professor (Division Head)
Dr. J.M.A. Bohnen	Professor
Dr. M.J. Burnstein	Associate Professor
Dr. S. de Montbrun	Assistant Professor
Dr. R. George	Associate Professor
Dr. T. Grantcharov	Professor
Dr. A. Kapus	Professor
Dr. B. Lawless	Assistant Professor
Dr. J.C. Marshall	Professor
Dr. J. Rezende-Neto	Associate Professor
Dr. S. Rizoli	Professor
Dr. O. Rotstein	Professor
Dr. A.S. Scheer	Assistant Professor
Dr. J.S. Simpson	Assistant Professor
Dr. K. Szaszi	Associate Professor

Publications	51
Grants	14

Division of Neurosurgery

Dr. M.D. Cusimano	Professor
Dr. S. Das	Assistant Professor
Dr. H Ginsberg	Assistant Professor

Dr. R. Macdonald	Professor
Dr. R.G. Perrin	Associate Professor
Dr. T.A. Schweizer	Assistant Professor
Dr. J. Spears	Assistant Professor (Interim)
Division Head)	

Publications	14
Grants	3

Division of Orthopaedics

Dr. H. Ahn	Assistant Professor
Dr. A. Atrey	Assistant Professor
Dr. E.R. Bogoch	Professor
Dr. T. Daniels	Professor (Division Head)
Dr. J. Hall	Assistant Professor
Dr. M. McKee	Professor
Dr. A. Nauth	Assistant Professor
Dr. J.P. Waddell	Professor
Dr. S. Ward	Lecturer
Dr. D. Whelan	Associate Professor

Publications	25
Grants	1

Division of Plastic and Reconstructive Surgery

Dr. K. Cross	Assistant Professor
Dr. J.L. Mahoney	Professor (Division Head)
Dr. M.A. Musgrave	Assistant Professor

Publications	4
Grants	1

Division of Urology

Dr. J Lee	Assistant Professor
Dr. M. Ordon	Assistant Professor
Dr. K. Pace	Associate Professor (Division Head)
Dr. R. Stewart	Associate Professor

Publications	20
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Division of Vascular Surgery

Dr. M. Al-Omran	Professor (Division Head)
Dr. E. Greco	Assistant Professor
Dr. M. Qadura	Assistant Professor
Dr. W. Tanner	Assistant Professor
Dr. M.D. Wheatcroft	Assistant Professor

Publications	5
Grants	1

The Department of Surgery is committed to ensuring that we contribute to these goals through our clinical, education, and research endeavours. The structure of the Peter Gilgan Patient Care Tower is quickly coming to fruition and has changed the landscape at the corner of Queen and Victoria Streets. This 17-storey tower will house 5 new “state of the art” operating rooms, each large enough to include medical imaging equipment such as CT scanners, x-rays and MRIs. The tower will also have expanded intensive care units for coronary and medical –surgical patients, as well as larger inpatients units for surgical specialties including orthopaedic surgery.

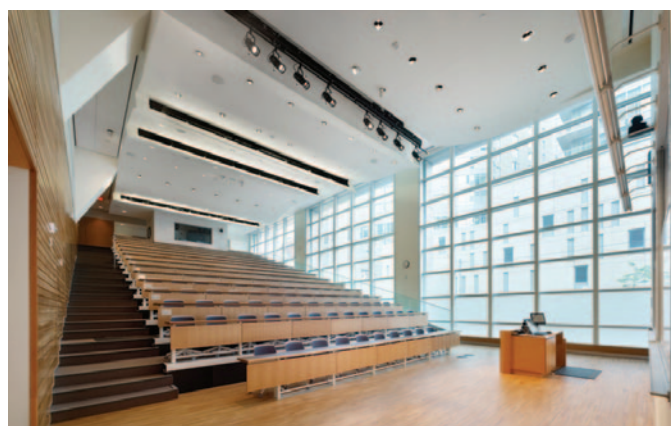
We welcomed Dr Jefferson Wilson in neurosurgery. Jeff did his residency training at the University of Toronto, and then did a minimally invasive spine surgery fellowship at Thomas Jefferson University. His main research interest is in clinical epidemiology and health services research as it relates to spine. Dr Amit Atrey joined the division of orthopaedics having received his training primarily in the United Kingdom. He did a lower limb arthroplasty and trauma fellowship at St Michaels Hospital in 2012. His main area of interest is in the design and conduction of randomized clinical trials in hip arthroplasty. Finally, Dr Mohammed Qadura joined the division of vascular surgery with a primary research focus in vascular biology and thrombosis. Dr Qadura received his PhD at Queen's University in thrombosis and hemostasis. He completed his vascular surgery training at McMaster University. He will be studying the role of inflammatory cells and cytokines in the development of abdominal aortic artery aneurysms.

Each June we celebrate with the annual St. Michael's Hospital Physician Achievement Awards. This year, Dr Jeremy Hall received the Board of Directors Complete Physician Award; Mark Wheatcroft received the Donald J Currie Undergraduate Teaching award; and Jason Lee received the William Horsey Postgraduate Teaching Award. Other notable awards include Dr Nancy Baxter giving the Gallie Lecture at the Canadian Surgery Forum in Vancouver, BC; and Mohammed Quadura received one of the prestigious Blair Early Career Professorships in Vascular Surgery at the University of Toronto.

It has been a terrific year for our Department and I am personally indebted to our Faculty for their commitment to excellent patient care and for their unwavering support of the academic mission.



July PGY1 Party 2016





Sunnybrook Health Sciences Centre

Dr. Avery Nathens,
Surgeon-in-Chief

Heads of Divisions

Dr. G. Cohen,	Cardiac Surgery
Dr. A. Dueck,	Vascular Surgery
Dr. T. Mainprize,	Neurosurgery
Dr. A. Yee,	Orthopaedic Surgery
Dr. P. Binhammer,	Plastic and Reconstructive Surgery
Dr. R. Kodama,	Urology
Dr. S. Ashamalla,	General Surgery

Division of Cardiac Surgery

Dr. G.T. Christakis	Professor
Dr. G. Cohen	Associate Professor (Division Head)
Dr. S. Fremes	Assistant Professor
Dr. F. Moussa	Lecturer

Grants 3

Division of General Surgery

Dr. S. Ashamalla	Assistant Professor (Division Head)
Dr. F.D. Brenneman	Associate Professor
Dr. P.T.Y. Chu	Associate Professor
Dr. N. Coburn	Associate Professor
Dr. D. Fenech	Assistant Professor
Dr. J. Hallet	Assistant Professor
Dr. C. Holloway	Associate Professor
Dr. P.J. Karanicolas	Associate Professor
Dr. C. Law	Professor
Dr. N.J. Look Hong	Assistant Professor
Dr. B. Nascimento	Assistant Professor
Dr. A.B. Nathens	Professor
Dr. A.J. Smith	Professor
Dr. H. Tien	Associate Professor
Dr. L. Tremblay	Assistant Professor
Dr. F. Wright	Associate Professor

Publications 72

Grants 6

Division of Neurosurgery

Dr. L. da Costa	Associate Professor
Dr. M. Fazl	Assistant Professor
Dr. T. Mainprize	Assistant Professor (Division Head)
Dr. F. Pirouzmand	Assistant Professor



Dr. M.L. Schwartz Professor
Dr. V.X.D. Yang Associate Professor

Publications 7
Grants 1

Division of Orthopaedics

Dr. T.S. Axelrod	Professor
Dr. H.U. Cameron	Associate Professor
Dr. J.A. Finkelstein	Associate Professor
Dr. M. Ford	Assistant Professor
Dr. J. Gollish	Assistant Professor
Dr. P. Henry	Assistant Professor
Dr. R. Holtby	Assistant Professor
Dr. R. Jenkinson	Assistant Professor
Dr. H.J. Kreder	Professor
Dr. L.P. Marks	Associate Professor
Dr. J.J. Murnaghan	Associate Professor
Dr. D. Nam	Assistant Professor
Dr. M. Nousiainen	Assistant Professor
Dr. R.R. Richards	Professor
Dr. D.J.G. Stephen	Associate Professor
Dr. S.S. Tomescu	Lecturer
Dr. V.M.R. Wadey	Associate Professor
Dr. D. Wasserstein	Assistant Professor
Dr. C. Whyne	Associate Professor
Dr. C.S. Wright	Assistant Professor
Dr. A. Yee	Professor (Division Head)

Publications 122

Grants 10

Division of Plastic and Reconstructive Surgery

Dr. O.M. Antonyshyn	Professor
Dr. P. Binhammer	Assistant Professor (Division Head)
Dr. R. Cartotto	Associate Professor
Dr. J.A. Fialkov	Associate Professor
Dr. M.G. Jeschke	Professor
Dr. J.E. Lipa	Associate Professor
Dr. A.D. Rogers	Assistant Professor
Dr. S. Shahrokhi	Assistant Professor

Dr. L. Snell Assistant Professor

Publications 28
Grants 5

Division of Urology

Dr. L.K. Carr Associate Professor
Dr. S. Herschorn Professor
Dr. L. Klotz Professor
Dr. R.T. Kodama Professor (Division Head)
Dr. R.K. Nam Professor
Dr. V. Venkateswarran Associate Professor

Publications 25
Grants 1

Division of Vascular Surgery

Dr. A. Dueck Assistant Professor (Division Head)
Dr. D.S. Kucey Assistant Professor
Dr. R. Maggisano Associate Professor
Dr. G. Papia Assistant Professor

OR Resources and occupancy continue to be major challenges, with occupancy in excess of 100% on most days. In spite of these challenges, the Department of Surgery at Sunnybrook Health Sciences Centre continues to advance its academic mission. This year we were fortunate to recruit four new faculty members – two surgeon scientists and two surgeon-investigators. We have two new chairs to support research – an endowed chair in sports medicine and a term chair in prostate cancer research. The Department of Surgery at Sunnybrook hosted the Tile Lecture in Trauma with Dr. Thomas Scalea (R Adams Cowley Shock Trauma Center and University of Maryland), who spoke on Endovascular Interventions in trauma.

Dr. Barry McClellan, CEO since 2007 and a member of the Department of Surgery announced his retirement. His successor, after an international search was Dr. Andy Smith (Department of Surgery) as of July 1, 2017. The Surgical Quality Improvement Program has been recognized internally and fully incorporated into the OR Management structure. Performance improvement activities in the area of surgical site infections, occupancy, and flow are a major focus. Each of the surgical divisions has been charged with reviewing surgical mortality and unplanned return to the OR using a consistent and validated structure to offer maximal benefit to patients.

Recruitment

Dr. Luis Da Luz was recruited to the Department in the Division of General Surgery at the rank of Assistant Professor. He will support the Tory Trauma Program as a trauma hospitalist and will focus on trauma resuscitation in the capacity of a Trauma Team Leader. Dr. Da Luz is a surgeon investigator with a focus systematic reviews and holds a associate scientist appointment in the Evaluative Clinical Sciences Platform of SRI.

Dr. Bheeshma Ravi was recruited to the Division of Orthopaedic Surgery with an academic and clinical focus on hip and knee arthroplasty. He has been appointed as a surgeon scientist and holds a Scientist appointment with the Evaluative Clinical Sciences Platform at Sunnybrook Research Institute.

Dr. Raj Satkunasivam was recruited to the Department in the Division of Urology at the rank of Assistant Professor. His brings with him specific expertise in minimally invasive urologic oncology and robotic surgery. He has been appointed as a surgeon investigator and holds an associate scientist appointment at SRI where he will focus on health services research in the Evaluative Clinical Sciences Platform.

Dr. Nir Lipsman was recruited to the Department to the Division of Neurosurgery with cross appointments to the Departments of Medicine (Neurology) and Psychiatry. He brings with him skills related to novel neuromodulation strategies for brain-circuit disorders and will focus on Stereotactic and Functional Neurosurgery and advance the Focused Ultrasound Program at Sunnybrook. He is an Assistant Professor and surgeon scientist and holds a cross appointment as scientist at SRI.

Departures

None

Division Reports

Cardiac Surgery

Dr. Gideon Cohen was re-appointed for his second term as Division Head, Cardiac Surgery. **Dr. Cohen** won the University of Toronto Surgical Skills Centre Distinguished Education Award for Outstanding Contributions. This award recognizes those individuals who have made exemplary, innovative contributions to teaching and learning in the Surgical Skills Centre over the past year. Dr. Cohen continued with innovations in the domain of structural heart disease, with two Canadian firsts – implantation of the Caisson percutaneous trans-septal mitral valve and the Edwards Pascal percutaneous mitral valve repair system. **Dr. George Christakis** completed his tenure as Director, Undergraduate Teaching, Department of Surgery. He received the **Marvin Tile Award** in recognition of his continued advocacy for students and significant contributions to both the University and Sunnybrook's Department of Surgery.

Neurosurgery

The Focused Ultrasound Foundation recognized Sunnybrook Health Sciences Centre as a Centre of Excellence, thanks to the pioneering work of physicist Kullervo Hynynen and clinical excellence and innovation through the work of **Dr. Nir Lipsman** and **Dr. Todd Mainprize**. Sunnybrook Health Sciences Centre and the Odette Cancer Program acquired a Gamma Knife, allowing minimally invasive care of cranial malignancies. **Dr. Todd Mainprize** was appointed Deputy Surgeon-in-Chief, assisting Dr. Nathens in providing leadership

and direction to the Department of Surgery. **Dr. Victor Yang** won the University Department of Surgery's George Armstrong-Peters Prize. This prize is awarded to a young investigator who has shown outstanding productivity during his initial period as an independent investigator as evidenced by research publications in peer reviewed journals, grants held, and students trained. Dr. Yang was also the recipient of the Sanford Larson Award for the best spine research paper at the American Association of Neurological Surgeons Annual Scientific Meeting. His 7D Surgical team was also awarded the Frost & Sullivan New Product Innovation Award in the category of image-guided surgical systems. This award is further recognition for his innovations in spinal navigation. **Dr. Farhad Pirouzmand**, was promoted to Associate Professor. **Dr. Leo DaCosta** was awarded the Dr. William Dixon Sunnybrook Surgical Teaching Award. This award is given to a surgeon at Sunnybrook (all departments) who has made the biggest impact on resident or fellows in their development and evolution as a surgeon.

General Surgery

Dr. Shady Ashamalla continues to innovate in the delivery of colorectal cancer care, having developed a young adults colorectal cancer clinic to address the specific needs of this population. **Dr. Frances Wright** was promoted to Full Professor and also was recognized for her mentorship, having received the Best Mentor award in General Surgery Oncology (inaugural award). She has also assumed the role of the Fellowship Lead for General Surgery. **Dr. Lorraine Tremblay** was appointed President-Elect of the Trauma Association of Canada and also received the University Division of General Surgery's Robert Mustard Mentorship Award. This award is chosen by the graduating residents to recognize the greatest mentor over the course of their residency. **Dr. Paul Karanicolas** was the recipient of the American College of Surgeons Traveling Fellowship to Germany. He was also the winner of the Undergraduate Teaching Award in the Sunnybrook Department of Surgery. **Dr. Avery Nathens** was appointed as the Medical Director of Trauma Quality Programs at the American College of Surgeons. His doctoral students Dr. James Byrne and Dr. Stephanie Mason (co-supervised with **Dr. Jeschke**) won the best oral presentation at Gallie Day and the American College of Surgeons International Resident Paper Competition, respectively. Dr. Nathens held the first Bleeding Control course in Canada. The course, part of the Stop the Bleed Campaign (US Department of Homeland Security), teaches the public how to respond and act to save a life when faced with a bleeding emergency.

Plastic and Reconstructive Surgery

Dr. Paul Binhammer was appointed President, Canadian Society for Surgery of the Hand. He remains actively involved with upper extremity curriculum development with the AO Foundation (International). **Dr. Joan Lipa** chairs the American Society for Reconstructive Microsurgery Women's Microsurgery Group and has been appointed as a Director of the American Board of Plastic Surgery. **Dr. Oleh Antonyshyn** won the Ronald M. Zuker Award for Distinction in the

Division of Plastic Surgery as well as the William K. Lindsay Faculty Research Mentor Award. He also received the Ochrymovych Helping Hands Humanitarian Award from Ukrainian Canadian Social Services Society for his work and care provided to those affected by the war in Eastern Ukraine. **Dr. Cartotto** was promoted to Full Professor and was re-appointed to the Burn Science Advisory Panel of the American Burn Association to oversee the funding of burn trials by the US Department of Defense. **Dr. Marc Jeschke** was named the chair of the Translational Research Committee for the Department of Surgery and was the received the Educating Beyond Sunnybrook Award for his outreach activities. He was also appointed as chair of the Strategic Planning Committee for the Shock Society and the Elder Care Committee of the American Burn Association. His graduate student, Dr. Stephanie Mason, won the American College of Surgeons International Resident Paper Competition.

Urology

Dr. Ron Kodama received the Michael Jewett Postgraduate Lecture award. **Dr. Sender Herschorn** received the Division of Urology Faculty Postgraduate Teaching Award. **Dr. Laurence Klotz** was the recipient of a Term Chair in Prostate Cancer Research in recognition of his major contributions and innovations in the field. **Dr. Robert Nam** received the Jewett Award and the Postgraduate Surgical Teaching Award from the University Division of Urology.

Orthopaedic Surgery

Dr. Albert Yee was the President of the Canadian Orthopaedic Research Society over this past year. **Dr. Hans Kreder** was appointed to the Canadian Orthopaedic Foundation Board of Directors. **Dr. Jeff Gollish** was appointed the Chair of the Standards Committee of the Canadian Orthopaedic Association. **Dr. Paul Marks** was named the inaugural holder of the Susanne and William Holland Chair in Sports Medicine Research at Sunnybrook Health Sciences Centre. **Dr. Bheeshma Ravi** was selected as the Canadian Orthopedic Association North American Travelling Fellow. **Dr. Richard Jenkinson** was named as the Head of Orthopaedic Trauma, Sunnybrook Health Sciences Centre. **Dr. John Murnaghan** was recognized for his longstanding contributions to orthopaedic education in Canada, being awarded the Canadian Orthopaedic Association Presidential Award of Merit. He has also taken over the position as Medical Director, Arthroplasty Program at Sunnybrook from Dr. Jeff Gollish. **Dr. Markku Nousianen** was promoted to Associate Professor.

Vascular Surgery

Dr. Andrew Dueck was appointed as the Maggisano Family Chair in Vascular Surgery taking over the position from the inaugural chairholder, Dr. Robert Maggisano. The chair will help fulfillment of Dr. Dueck's vision to advance limb salvage and complex aortic surgery. **Dr. Giuseppe Papia** advanced the Project Saving Legs™ campaign by officially trademarking the initiative and continues to receive considerable publicity and helpful dissemination through the media. Dr. Papia has also

been appointed as Chair of the Education Committee for the Canadian Society of Vascular Surgery and will co-chair the Department's Committee on Stress and Burn Out. He is also leading a national initiative on the development of a consensus statement on the use of the Surgical Safety Checklist through his role as Faculty Lead for Checklists at the Canadian Patient Safety Institute.



Dan Family Fellowship Dinner May 2017



Balfour Lecture in Surgical Ethics



Mission to the Ukraine



University Health Network

Shaf Kehavjee,
Surgeon-in-Chief



HEADS OF DIVISIONS

Vivek Rao, MD	Cardiac Surgery
Allan Okrainec, MD	General Surgery
Michael Tymianski, MD	Neurosurgery
Nizar Mahomed, MD	Orthopedic Surgery
Stefan Hofer, MD	Plastic Surgery
Tom Waddell, MD	Thoracic Surgery
Tony Finelli, MD	Urology
Thomas Forbes, MD	Vascular Surgery

Dr. L.E. Rotstein	Professor
Dr. G. Sapisochin	Assistant Professor
Dr. M. Selzner	Associate Professor
Dr. E. Shlomovitz	Assistant Professor
Dr. D.R. Urbach	Professor
Dr. A. Wei	Associate Professor

DIVISION OF CARDIAC SURGERY

Dr. M. Badiwala	Assistant Professor
Dr. R.J. Cusimano	Associate Professor
Dr. T. David	Professor
Dr. C. Feindel	Professor
Dr. R-K Li	Professor
Dr. M. Ouzounian	Assistant Professor
Dr. A. Ralph-Edwards	Lecturer
Dr. V. Rao	Professor (Division Head)
Dr. R. Weisel	Professor
Dr. T. Yau	Professor

Publications	134
Grants	6

DIVISION OF NEUROSURGERY

Dr. M.A. Bernstein	Professor
Dr. K.D. Davis	Professor
Dr. J. Eubanks	Professor
Dr. M. Fehlings	Professor
Dr. F. Gentili	Professor
Dr. C. Hamani	Associate Professor
Dr. M. Hodaie	Professor
Dr. W. Hutchison	Associate Professor
Dr. S. Kalia	
Dr. P. Kongkham	
Dr. I. Radovanovic	
Dr. C.H. Tator	Professor
Dr. M. Tymianski	Professor (Division Head)
Dr. T. Valiante	Associate Professor
Dr. A. Velumian	Assistant Professor
Dr. G. Zadeh	Associate Professor

Publications	124
Grants	13

DIVISION OF GENERAL SURGERY

Dr. M.S. Cattral	Professor
Dr. A.M. Easson	Assistant Professor
Dr. J. Escallon	Associate Professor
Dr. A. Gagliardi	Associate Professor
Dr. S. Gallinger	Professor
Dr. A. Ghanekar	Assistant Professor
Dr. D. Grant	Professor
Dr. P. Greig	Professor
Dr. T. Jackson	Assistant Professor
Dr. W.L. Leong	Assistant Professor
Dr. D. McCready	Professor
Dr. I. McGilvray	Associate Professor
Dr. C.A.E. Moulton	Associate Professor
Dr. C. O'Brien	Assistant Professor
Dr. A. Okrainec	Associate Professor (Division Head)
Dr. T. Penner	Assistant Professor
Dr. F.A. Quereshy	Assistant Professor
Dr. M. Reedijk	Associate Professor

DIVISION OF ORTHOPAEDICS

Dr. J.R. Davey	Associate Professor
Dr. M. Erwin	Assistant Professor
Dr. R. Gandhi	Associate Professor
Dr. M. Kapoor	Associate Professor
Dr. J. Lau	Assistant Professor
Dr. T. Leroux	
Dr. S. Lewis	Associate Professor
Dr. N.N. Mahomed	Professor (Division Head)

Dr. K.W. Marshall	Assistant Professor
Dr. D.J. Ogilvie-Harris	Professor
Dr. Y.R. Rampersaud	Associate Professor
Dr. K. Syed	Assistant Professor
Dr. C. Veillette	Assistant Professor

Publications	14
Grants	5

DIVISION OF PLASTIC AND RECONSTRUCTIVE SURGERY

Dr. D. Anastakis	Professor
Dr. H. Baltzer	Assistant Professor
Dr. P. Bray	Assistant Professor
Dr. B. Graham	Assistant Professor
Dr. S. Hofer	Professor (Division Head)
Dr. S.J. McCabe	Associate Professor
Dr. C.B. Novak	Associate Professor
Dr. A.C. O'Neill	Assistant Professor
Dr. H.P. von Schroeder	Associate Professor
Dr. T. Zhong	Associate Professor

Publications	16
Grants	1

DIVISION OF THORACIC SURGERY

Dr. M. Cypel	Associate Professor
Dr. G.E. Darling	Professor
Dr. M. dePerrot	Associate Professor
Dr. L. Donahue	
Dr. S. Keshavjee	Professor
Dr. M. Liu	Professor
Dr. A. Pierre	Associate Professor
Dr. T.K. Waddell	Professor (Division Head)
Dr. K. Yasufuku	Associate Professor
Dr. J. Yeung	

Publications	15
Grants	7

DIVISION OF UROLOGY

Dr. D.S. Elterman	Assistant Professor
Dr. A. Finelli	Associate Professor (Division Head)
Dr. N.E. Fleshner	Professor
Dr. R. Hamilton	Assistant Professor
Dr. M.M. Hassouna	Professor
Dr. M.A.S. Jewett	Professor
Dr. G. Kulkarni	Assistant Professor
Dr. A. Matthew	Assistant Professor
Dr. S.B. Radomski	Professor
Dr. M. Robinette	Associate Professor
Dr. J. Trachtenberg	Professor

Publications	95
Grants	3

DIVISION OF VASCULAR SURGERY

Dr. J.S. Byrne	Assistant Professor
Dr. T.L. Forbes	Professor
Dr. K.W. Johnston	Professor
Dr. T.F. Lindsay	Professor (Division Head)
Dr. G. Oreopoulos	Assistant Professor
Dr. G. Roche-Nagle	Associate Professor
Dr. B.B. Rubin	Professor
Dr. D.L. Wooster	Professor

Publications	18
Grants	2

DIVISION OF CARDIAC SURGERY

M. Badiwala, MD	A. Ralph-Edwards, MD
R.J. Cusimano, MD	V. Rao, MD
T. David, MD	W. Stansfield MD
C. Feindel, MD	R. Weisel, MD
M. Ouzounian, MD	T. Yau, MD

The 2016/17 academic year saw continued growth in all of the clinical programs in cardiovascular surgery with an important provincial funding announcement to support mechanical assist devices in non-transplant eligible patients. The division also benefited from a historic philanthropic gift from the Peter and Melanie Munk foundation which will enable us to continue our world-leading clinical outcomes research.

DIVISION OF GENERAL SURGERY

M. Cattral, MD	I. McGilvray, MD
T. Cil, MD	C. Moulton, MD
A. Chadi, MD	C. O'Brien, MD
K. Devon, MD	A. Okrainec, MD
P. Dhar, MD	J. Pasternak, MD
J. Escallon, MD	T. Penner, MD
S. Gallinger, MD	F. Quereshy, MD
A. Ghanekar, MD	M. Reedijk, MD
D. Grant, MD	G. Sapisochin, MD
P. Greig, MD	M. Selzner, MD
T. Jackson MD	E. Shlomovitz, MD
P. Dhar, MD	B. Taylor, MD
A. Wei, MD	

The Division of General Surgery at UHN had a successful year in both grant capture and publications with highlights including Dr. Catharine O'Brien receiving a CIHR foundation award for her work on colorectal cancer stem cells and Dr. Steve Gallinger publishing his work on pancreatic cancer in Nature. Drs. Timothy Jackson and Anand Ghanekar were both promoted to Associate Professor, Dr. Faye Quereshy received the Langer Surgeon Scientist Award, and Dr. Paul Greig received the Bryce

Taylor Mentorship Award.

DIVISION OF NEUROSURGERY

M. Bernstein, MD	E. Massicotte, MD
M. Fehlings, MD	I. Radovanovic, MD
F. Gentili, MD	C. Tator, MD
M. Hodaie, MD	M. Tymianski, MD
S. Kalia, MD	T. Valiante, MD
P. Kongkham, MD	G. Zadeh, MD
A. Lozano, MD	

Dr. Michael Tymianski was appointed to membership, and Dr. Charles Tator was elevated to Officer, of the Order of Canada. Dr. Gelareh Zadeh was appointed as Head of the Division of Surgical Oncology at UHN and Director of the Krembil Neuroscience Program at UHN.

DIVISION OF ORTHOPEDIC SURGERY

J. Chahal, MD	W. Marshall, MD
R. Davey, MD	D. Ogilvie-Harris, MD
R. Gandhi, MD	R. Rampersaud, MD
J. Lau, MD	K. Syed, MD
T. Leroux, MD	C. Veillette, MD
S. Lewis, MD	
N. Mahomed, MD	

For the ISAEC Program – The Interprofessional Low Back Pain Model of Care is now going provincial. For the Research Program – Dr Mohit Kapoor reported on a novel discovery of two microRNA biomarkers and potential therapeutic targets to detect and treat osteoarthritis.

DIVISION OF PLASTIC SURGERY

J. Ahmad, MD	S. McCabe, MD
D. Anastakis, MD	A. O'Neill, MD
H. Baltzer, MD	H. Von Schroeder, MD
P. Bray, MD	T. Zhong, MD
B. Graham, MD	
S. Hofer, MD	

The Division of Plastic Surgery has continued to lead breast cancer reconstruction in the province by guideline driven management of breast cancer patients suitable for breast reconstruction through regional, provincial, national and international publications, presentations, grants and events.

DIVISION OF THORACIC SURGERY

M. Cypel, MD	S. Keshavjee, MD
K. Czarnecka, MD	A. Pierre, MD
G. Darling, MD	T. Waddell, MD
M. de Perrot, MD	K. Yasufuku, MD

L. Donahoe, MD

J. Yeung, MD

Dr. Kazuhiro Yasufuku received the Distinguished CHEST Educator Award – a national-level recognition of excellence in continuing medical education. Shaf Keshavjee gave the John H Gibbon Jr lecture on the Future of Transplantation at the American College of Surgeons Annual Meeting. Marcelo Cypel received a CIHR grant for his clinical trial “Lung Transplantation using Hepatitis C Positive Donors to Hepatitis C negative Recipients” and a CCSRI basic science operating grant to support his oncology research. Not surprisingly, he was awarded a renewal of his Canada Research Chair in Lung Transplantation

DIVISION OF UROLOGY

D. Elterman, MD	J. Jewett, MD
A. Finelli, MD	G. Kulkarni, MD
N. Fleshner, MD	S. Radomski, MD
M. Hassouna, MD	N. Perlis, MD
R. Hamilton, MD	M. Robinette, MD

The GU Biobank was founded in 2008 to facilitate the discovery and validation of novel biomarkers, aiming to achieve personalized medicine in Urology. Over 380,000 biospecimens have been stored to date from over 16,500 patients. Over the last year, we have received grant funds totalling over \$1.7 million for biobank related research.

DIVISION OF VASCULAR SURGERY

J. Byrne, MD	G. Roche-Nagle, MD
T. Forbes, MD	B. Rubin, MD
W. Johnston, MD	D. Wooster, MD
T. Lindsay, MD	
G. Oreopoulos, MD	
G. Roche-Nagle, MD	

Dr Thomas Forbes was successful in his three year review and Dr Graham Roche-Nagle established the first Vascular Surgery regional quality in Canada using the SVS VQI program. The Division is recruiting a surgeon scientist as Dr Rubin transitions to further administrative duties.



Women's College Hospital

David R. Urbach,
Surgeon-in-Chief

Division of General Surgery

Dr. T. Cil	Assistant Professor (Division Head)
Dr. K.M. Devon	Assistant Professor
Dr. T.M. Ross	Associate Professor
Dr. D. Urbach	Professor

Publications 1

Division of Orthopaedics

Dr. J. Chahal	Assistant Professor
Dr. T. Dwyer	Assistant Professor
Dr. J. Theodoropoulos	Assistant Professor (Division Head)

Publications 9

Division of Plastic Surgery

Dr. B. Beber	
Dr. M.H. Brown	Associate Professor
Dr. J.L. Semple	Professor (Division Head)

Division of Urology

Dr. E. Grober	Assistant Professor
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Research In Education

Dr. R.R. Sonnadara	Assistant Professor
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Publications 1

Department News

Dr. David Urbach was appointed as the Surgeon-in-Chief and Medical Director, Perioperative Services on July 1, 2016, succeeding Dr. John Semple who completed his 10-year term of committed stewardship through the reconstruction of Women's College Hospital and the reinvention of the Department as a Department of Ambulatory Surgery. The Department held a Strategic Planning Retreat November 9, 2016 at The National Club, and a new Departmental strategy was developed with three priorities: (1) Deep expertise and strategic alignment; (2) Health systems solutions; and (3) Surgical innovation. The surgeon also held a Core Surgical Faculty Retreat on January 24, 2017 to discuss clinical and operational strategy.

The Department continues to grow with 11 core surgeons and 58 courtesy staff. Searches are underway for recruitment of a



General Surgeon to develop a new centralized intake program for hernia and gall bladder surgery, and a Urologist to develop a program in sexual medicine and surgery as well as transition-related surgery.

New Programs

We have created a soft tissue extremity trauma program, to provide rapid access to OR for repair of soft tissue injuries in the LHIN. We are also developing new programs in sexual medicine and health, transition-related surgery (chest wall and genital surgery), and in same-day arthroplasty surgery.

Accomplishments

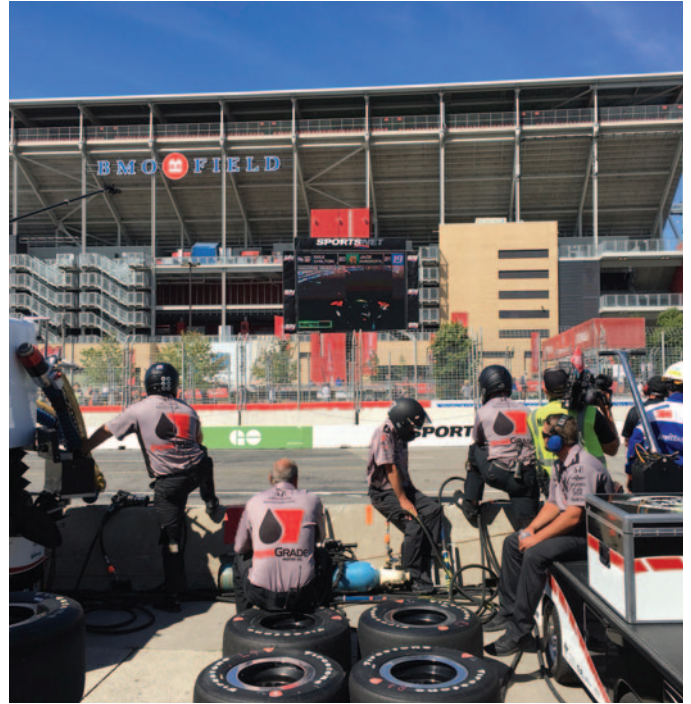
Dr. Ethan Grober was appointed Director of Undergraduate Medical Education in the Division of Urology at the University of Toronto; Co-authored the Canadian Urological Association Guidelines on the Management of Peyronie's Disease; Leading the implementation of "bottom" urological transgender surgery at Women's College Hospital.

Dr. David Urbach was elected as a Fellow of the Canadian Academy of Health Sciences

Dr. Tim Dwyer received three grants (UHN Arthritis Program, ConMED Linvatec Grant, Women's College Hospital Academic and Medical Services Innovation Fund) and published 10 peer reviewed papers.

Dr. Mitch Brown was an author on three publications including an invited CME paper on secondary breast augmentation, and a co-author on a paper published in JAMA. He completed his 10-year term as Program Director for the Division of Plastic and Reconstructive Surgery.


Dr. Karen Devon initiated a program in Surgical Ethics at WCH, with an inaugural speaker in Humanism in Surgery, and developed a course in Ethics and Professionalism for the Year 1 Foundations course.




Indy 500 July 206




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