



DIVISION OF PLASTIC &
RECONSTRUCTIVE SURGERY

PLASTIC SURGERY NEWS

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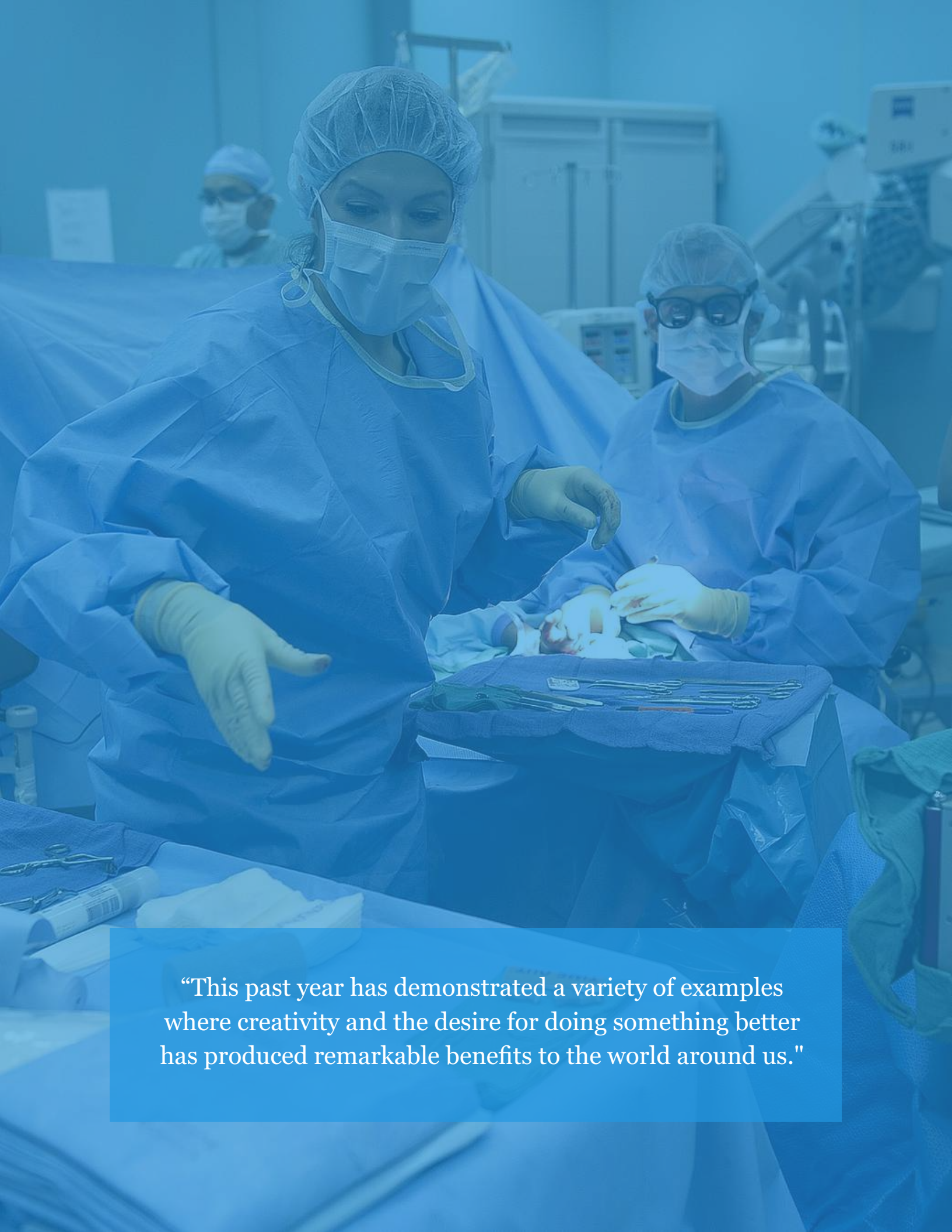


UNIVERSITY OF
TORONTO

Division of Plastic and Reconstructive Surgery
Department of Surgery, Faculty of Medicine
University of Toronto



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“This past year has demonstrated a variety of examples where creativity and the desire for doing something better has produced remarkable benefits to the world around us.”

**DR. CHRISTOPHER R. FORREST**

Chair

Division of Plastic and Reconstructive Surgery

“Innovation is seeing what everyone has seen and thinking what nobody has thought.”

- Dr. Albert Szent-Györgyi (discovered vitamin C)

“If I had asked my customers what they wanted, they would have said a faster horse.”

- Henry Ford

As the Chair of the Division of Plastic and Reconstructive Surgery at the University of Toronto, I am delighted to welcome you to this year's edition of our Annual Newsletter designed to highlight and showcase all that is coming and going within the division. This is our 15th edition and I am very proud of what our division has to offer and has accomplished over the past year. We compete on a world stage and in Olympic parlance, I think we have a distinct place on the podium.

We have had a terrific year. From the successes of our graduating class of residents and fellows and talented new recruits (Karen Cross, Kristen Davidge, Heather Baltzer, Alan Rogers) to the unique celebration of our distinguished alumni during this June's Gala dinner, I continue to be impressed at the breadth and richness of what our faculty and house-staff have to offer. And I believe it is going to get better.

In reflection over the activities of the past year, I am struck by how much innovation has been going on in the division. I had written about the butterfly effects of innovation in my

Chair's Comments in January 2015 in that one thing may influence the other in un-intended ways for the better. A great example of this in our division has been watching Surgeon-Scientist trainee and PhD candidate Dr. Dale Podolsky's trajectory for his research. Dale's initial concept for his thesis was to investigate the feasibility of using a robot to repair a cleft palate and after recognizing the limitations of experimentation in cadavers, Dale's engineering ingenuity led him to develop a high fidelity cleft palate simulator using 3D printing. In creating this model, Dale recognized the educational needs for surgical simulation resulting in the generation of a biomedical company that will market the cleft models. Furthermore, he has encountered issues with the current robotic instrumentation that make doing cleft palate repair problematic, so he is developing his own. As Dale has stated, "there is no operation we cannot simulate". I prefer the following quote "In the face of overwhelming odds, I'm left with only one option, I'm gonna have to science the shit out of this." Mark Watney (aka Matt Damon in The Martian). Quite the combination of innovation and ingenuity.

Dale's example is not an isolated one within the division. This past year has demonstrated a variety of examples where creativity and the desire for doing something better has produced remarkable benefits to the world around us. Dr. Oleh Antonyshyn's (Sunnybrook Health Sciences Centre) efforts to bring modern day surgical care and education to the conflict-torn regions of Ukraine have demonstrated that even some of the biggest hurdles and challenges can be overcome when someone has inspiration and a will to succeed.

In the cut-throat world of biomedical technology, Dr. Karen Cross (St. Michael's Hospital) has demonstrated an incredible discipline and desire to make a difference to a somewhat neglected area of our specialty that is wound care. Under the supervision of Dr. Joel Fish, during her residency, Karen finished a PhD which focussed on using near-red spectrometry to assess burn wounds. She has done a remarkable job of translational application of this technology to apply it in a number of novel and unique ways, the most recent of which was to develop a smart phone app to assess the diabetic foot. Most recently, she made it through the rigorous process at the Rotman School of Business Creative Destruction Lab and will now receive mentoring and support for her ideas. All this and a paddle board instructor to boot! Not too shabby.

Dr. Marc Jescke's research lab at the Ross Tilley Burn Centre (Sunnybrook Health Sciences Centre) has been working on a shortage problem for the past few years and seem to have the issue licked. The world of 3D printing seems to know no boundaries. It has been applied to make clothes in the fashion industry, create new and unusual food, make jewellery, aircraft, boats, guns and even images of you to give to your loved one at Christmas when

you have exhausted all other possible options. But Marc's group have been working on a bioreactor that 3D-prints skin for those dire burn cases where graft options are limited. Innovation in this division isn't just limited to technologic or research advances. New ways of solving old problems crop up all the time. A great example has been watching the explosion of interest in the development of surgical techniques to re-innervate the insensate cornea that Dr. Greg Borschel has been spear-heading with his ophthalmology colleagues. The problem of the insensate cornea is a common one that has been begging for a solution for ages. Greg and his team have been instrumental in developing a very cool procedure for a previously intractable problem that has attracted international attention taking advantage of nearby supra-trochlear and supra-orbital nerves to give the cornea sensation and prevent blindness. This is a great example of the quote by management guru Peter F. Drucker who wrote "If you want something new, you have to stop doing something old".

And when innovation isn't enough, sometimes just plain hard work and sweat is needed to get the job done. Over a 5 year period, Dr. Ron Zuker has been working on a composite vascularized allotransplantation program protocol which finally came to fruition in January 2016 when Dr. Steve McCabe and a team of 18 surgeons, nurses and health care practitioners performed the first arm transplant in the country.

And these examples are just the tip of the iceberg!

So what can we do with all this? Apart from the obvious, there are not-so-obvious opportunities for our specialty. I like this quote. It inspires me to think that our specialty can lead the charge and set the standards.

"Innovation is the only sustainable competitive advantage a company can have."

- David Freiberg, Business man and Weatherbill founder

My hope for this newsletter platform is to use all these examples to demonstrate both to our medical colleagues and to the public, exactly what it is that we do and what we are capable of. One of my favorite inspirational TED talks is by Simon Sinek. Simon is an author, speaker, and consultant who writes on leadership and management and has very eloquently explained the successes of major companies such as Apple and Google with the following

philosophy “People don’t buy what you do, they buy why you do it” (www.youtube.com/watch?v=qp0HIF3Sfl4). Some may think it a bit offensive to view our specialty as a commodity or product that has to be marketed to the world, but that is the reality we now must deal with... and every advantage we can use should be incorporated. As such, following Simon’s mantra and some of the innovative examples above, why wouldn’t you want to be a part of a group that can print skin, save limbs, enhance lives and generally make the world a better place?

I am stimulated by this philosophy to plan for the future, our future. And so this coming year will be focussed on three things. Opportunities for divisional growth and expansion into new and novel areas, physician wellness (if we don’t look after ourselves, who will look after us?) and creating a solid foundation to support our surgeon-scientist trainees, who will lead the specialty into the future.

And so, welcome to the latest edition of the Divisional Newsletter. My hope is that you enjoy seeing and reading what we have done over the past year, and perhaps, just perhaps, it may trigger something in you to do something innovative of your own.

“Innovation is creativity with a job to do.”

- John Emmerling

“Enlightened trial and error succeeds over the planning of a lone genius.”

- Albert Einstein

“No organization ever created an innovation. People innovate, not companies.”

- Seth Godin



DR. GREG BORSCHEL
Research Director

I am amazed by the breadth and depth of our Division's research activities and programs. Thanks to all Division members, residents, fellows, and researchers for leading discovery in Plastic Surgery in new and exciting ways. Here are some highlights from this past year.

Surgeon Scientist Trainees

Our Surgeon Scientist Training Program (SSTP) trainees **Dale Podolsky, Joseph Catapano** and **Natalia Ziolkowski** will continue their SSTP studies for the next year. **Melissa Roy** and **Helene Retrouvey** have entered the SSTP in July 2016. That brings the cohort to a total of five SSTP's, which is the highest number we have ever had in our Division.

New Resident Research Curriculum Launched

In response to the request of several residents, we have launched a new **Research Curriculum** designed to enhance resident research proficiency. These sessions are held quarterly, and cover topics including research project design, manuscript and grant proposal writing, critical analysis, REB, and other subjects. Three sessions have been held so far, and the feedback has been excellent. The first provided a "boots on the ground" overview of research in Plastic and Reconstructive Surgery; the second dealt with publication of research, including strategies and pitfalls, and the most recent session provided an overview of "Statistical Analysis for Surgeons."

AWARDS AND GRANTS



Toni Zhong

Congratulations to **Toni Zhong (UHN)** on being awarded the 2016 George Armstrong Peters Prize from the University of Toronto Department of Surgery. This is the highest award the department can bestow on a young surgeon and reflects Dr. Zhong's consistent excellence in research.



Marc Jeschke

Congratulations to **Marc Jeschke (RTBC)** on his grant from the NIH for "Hepatic ER stress contributes to morbidity and mortality after burn injury" (Jeschke, PI).



Rob Cartotto

Dr. Rob Cartotto (Ross Tilley Burn Centre) with co-investigator **Dr. Dave Greenhalgh** (University of California- Davis) received a 2 million USD grant from the US Department of Defense for the study "Acute Burn Resuscitation Prospective multicenter observational Trial" (ABRUPT).



Jeff Fialkov

Congratulations to **Dr. Jeff Fialkov** (Sunnybrook Health Science Centre) for being awarded a Canadian Institute of Health Research (CIHR), Proof of Principle: Phase I grant “Bone Tape”: Optimization of a novel method for reconstructing the craniomaxillofacial skeleton (1 year - \$160,000) with co-PI Dr. Cari Whyne.



Karen Wong

Dr. Karen Wong (SickKids) and co-PI **Dr. Anne Klassen** (McMaster) for a 2 year CIHR Project Grant for \$378,427 for “An international study to develop a patient-reported outcome instrument for conditions associated with a facial difference: FACE-Q Kids”. This is a remarkable achievement in the current grant cycle!!



Joel Fish

Dr. Joel Fish and PhD candidate **Jennifer Zuccaro** for a 2 year PSI grant worth \$169,500 for a project entitled “A randomized controlled trial investigating the use of ablative fractional carbon dioxide laser therapy to improve pediatric burn scars”.

Awards and Grants (continued)

Dr. Karen Cross (St. Michael's Hospital) and co-PI **Dr. General Leung** received a 3 year CIHR Project Grant for \$386,072 for their study "Development of a multispectral mobile tissue assessment (MIMOSA) device that is designed to address potential for wound problems of the diabetic foot.



Karen Cross

Featured Interview with Karen Cross, MD, PhD

I was able to catch up with Karen in between cases to see what's new in her research program. She's got a lot of exciting work under way. She will clearly make a big impact on how wounds are managed in the future.

What is your big research goal right now?

To develop noninvasive handheld devices and to get them into the hands of clinicians and patients to improve diagnostics.

Tell us about your research.

We are a group of physicists, clinicians and engineers that have come together to develop novel ways to look at tissue health. We only work on projects that are clinically relevant.

First, we are developing 2 diagnostic devices to evaluate the health of wounded skin, with a focus on diabetes and the foot wounds that often develop in diabetics. These devices are called MSID and MIMOSA, and they measure chemical markers of oxygen in skin to give the clinician a map of what's healthy and what's not. MSID is a larger version of this technology designed for use by doctors in the hospital, and MIMOSA is its baby cousin, designed for patients to run on their cell phones at home using an app.



This is really exciting because for the first time ever, we are able to give diabetic patients a way to check their feet for wounds quickly and easily from home. This will save them trips to the hospital, and catch problems early while they are still treatable. We are also developing a third device, PWVi, which essentially measures blood flow using a camera. Poor blood flow (or tissue perfusion) really hampers wound healing, so this device is complementary to our other work in that it can help clinicians and surgeons make science-based decisions about the health of a limb in a very quick, and non-invasive way. Now that we have developed ways to accurately measure tissue oxygenation and perfusion, we can also try novel therapeutics to improve wound healing – drugs, dressings, topical oxygen- and use our technology to evaluate these treatment strategies with objective outcome measures.



Karen Cross at the Angel's Den

What has been your greatest challenge in launching this program?

Funding. We make things that are expensive. Bringing my burn experience into the wound healing area has been great, but getting the initial startup funds has been difficult. We were able to get funding from many sources cobbled together. Funding has come from grateful patients, donors to St. Mike's, industry, the Department of Surgery at St. Mike's, and we are applying to about 18 external funding sources as we speak.

Who and what inspired you to do this kind of work?

Joel Fish, Peter Neligan and John Semple. I wouldn't be here if not for them. I was in the burn unit and ended up with Joel serendipitously. He said I should check out some of the imaging stuff with some collaborators in Winnipeg. He spent a lot of time on me, a simple girl from Newfoundland, and he made me realize that I actually had a lot to offer. He gave me the confidence and ability to think like a researcher. My PhD was the best time of my life. I realized I couldn't accept just reading about stuff in a book. I needed to know how it really worked.

How will your research change how we manage patients with wounds?

It will change how we manage diabetic wounds. Our devices are going to revolutionize diabetic care. The economic burden of these patients is not sustainable otherwise. Once our devices are adopted it will provide patients with early warning with their feet and diabetic wounds. These patients will avoid amputation and other morbidities from complications of diabetes. These patients often have no other reliable way of checking their feet for wounds, and this device will change that.



DR. MITCH BROWN
Program Director

As the academic year wound down, we saw our final year residents move on and we welcomed new residents to the program. It seems that each year, the task of selecting our PGY1s becomes more difficult. Our selection committee reviewed over 65 applications and from that list, we invited 20 candidates to Toronto for an interview. The varied successes of the applicants becomes more outstanding each year.

I would like to thank the selection committee including several of our own residents, for their hard work and commitment during the CARMS selection process. In the end, we had an extremely successful match and welcome our four new CMG's and two FMG students to the Toronto Training Program.



Karen Chung
Queen's University



Whitney Quong
University of British
Columbia



Pierre Lapaine
Western University



David Wallace
University of Toronto



Sultan Al-Shaqsi
Oman



Moaath Saggaf
Saudi Arabia

At our graduation event in June, we had an opportunity to honor and say goodbye to our graduating residents. We wish them well as they embark on their surgical careers and invite them to stay connected and involved with the university. Each of them have exciting opportunities planned for next year.

There are many faculty that contribute significantly to our academic curriculum. I believe that the quality of education received by our residents is second to none, and I want to thank the faculty for their time and efforts in delivering this curriculum. Special thanks go to **Kyle Wanzel** for his coordination of Plastic Surgery School, the seminar series and prep camp, as well as **Paul Binhammer** who organizes the junior resident curriculum and the division surgical skills curriculum. These are both huge responsibilities and the feedback from the residents continues to be outstanding. Thanks also go out to **Jamil Ahmad** (Resident Aesthetic Clinic), **Karen Wong-Riff** (Morbidity and Mortality Rounds), **Laura Snell** (Journal Club), **Craig Fielding** (Bioethics), **Michael Weinberg** (Communication sessions), **Linda Dvali** (Health Advocacy), **Tom Bell** (Aesthetic Surgery Teaching sessions), **Brett Beber** (Resident Wellness), **Melinda Musgrave** (Collaborator), **Greg Borschel** (Research and Scholarly Activity) and **John Phillips** (Leadership Life Skills).

THE GRADUATES



Ryan Austin

Fellowship Plans

Hand & Upper Extremity Fellowship at The Philadelphia Hand Center, Thomas Jefferson University

Location

Philadelphia, PA

Duration

1 year

Supervisor(s)

A. Lee Osterman (Director), Randall W. Culp, John M. Bednar, David S. Zelouf, Scott H. Kozin, Stephanie Sweet, Mark S. Rekant, Eon K. Shin, Sidney M. Jacoby, Meredith N. Osterman, Dan A. Zlotlow, Kenneth A. Kearns

“As I approach the end of the residency training program, I can’t believe how quickly the past five years have flown by. It feels like just yesterday that I was checking the CaRMS match results to discover that I had matched to the University of Toronto, and now here I am preparing to move forward into fellowship and a career as a Plastic Surgeon.

When I think about my experiences in the training program, what comes to mind first and foremost is how fortunate I have been to work alongside the talented surgeons and residents that comprise our Division. Be it as a teacher, mentor, colleague, or friend, I can honestly say that each and every individual I have worked with has helped me to become the surgeon that I am today. I would also be remiss if I did not use this opportunity to say ‘thank you’ to everyone who has taken the time to sit, talk, teach, listen, or just be there over the past five years, it has meant more than you know.

One motto that has guided me in life is to ‘try and leave the world a little bit better than you found it’, and this has held true during my residency training. I have always believed that we have the best Plastic Surgery training program in the world, and that as residents we must not only be proud of this fact, but that we must continue to work to help the training program develop and grow. As a resident in the Division of Plastic & Reconstructive Surgery, I have had countless opportunities to become involved in varying capacities, whether it be on the RPC, teaching the undergraduate medicine Portfolio course, or working as a Next Generation Editor for the Aesthetic Surgery Journal, and all these opportunities have taught me something that I carry forward with me to this day. I urge the next generation of residents to stay involved, to be passionate about our training program, and in your own way try and leave the program a little bit better than you found it for your colleagues yet-to-come.

Now, it's time to look forward to the future. Next year I will be moving to Philadelphia, Pennsylvania to enjoy some Cheesesteak sandwiches and complete a Hand & Upper Extremity Fellowship at The Philadelphia Hand Center / Thomas Jefferson University. I don't know exactly what the next year will bring, but I do know that I will not be cheering for the Flyers. After the year, I plan to return home to establish my Plastic Surgery practice, and I hope to remain involved with the program and University moving forward."



Siba Haykal

Fellowship Plans

Microsurgery Oncology and Trauma Fellowship at the Albany Medical Center

Location

Albany, NY

Duration

1 year

Supervisor(s)

Richard Agag, Kristen Rezak

"I grew up in Ottawa Ontario and moved to Toronto for my residency in 2007. Following my junior years, I pursued a 4 year PhD in regenerative medicine and transplantation focusing on tracheal tissue engineering. Following my PhD I returned to residency where I developed an interest in microsurgical reconstruction.

In July 2016 I will be travelling to Albany Medical Center in New York for a one year fellowship in oncology and trauma microsurgical reconstruction.

My goal is to combine my academic and research interests in the field of transplantation. I feel blessed and honored to have trained at the University of Toronto. I have had tremendous mentorship, encouragement and support and look forward to mentoring future residents."

**Fellowship Plans**

Pediatric Craniofacial Fellowship

Location

Boston Children's Hospital, Boston, MA

Duration

1 year

Supervisor(s)

John Mulliken, John Meara

Kathryn Isaac

"I feel an overwhelming sense of gratitude as I reflect on my residency training. I consider myself extremely fortunate to have had the opportunity to work alongside and learn from an incredible group of individuals, both faculty and fellow residents alike. I have tremendous admiration and respect for many individuals in the division and this respect is something that only grew with the passage of time during my residency training. The division's culture of high performance is something that was evident from the earliest days of my training.

The staff set a remarkable standard for excellence in clinical work, research and teaching. In addition to serving as fantastic role models from a clinical perspective, a compassion is embedded in the culture as many staff are extremely generous with their time and involved in humanitarian projects enriching our division, local and global community. It has been a true privilege to learn under the tutelage of such great teachers while caring for patients. The shared years of clinical experience and invaluable knowledge is a gift that each resident will carry forward in the care of their own future patients. Beyond the clinical experience, I am also thankful for the opportunities to have traveled for conferences with world renowned experts. I appreciate all of the time invested by staff and resources provided by the division to enrich my experience and training.

When I was in my early years of training I was also very impressed by how the senior residents were a reflection of this culture and the staff in a number of ways. While at times it was daunting to attempt to live up to this very high standard, the accomplishments of my peers and role models was and will always remain a great source of inspiration. Whether it was teaching in the OR, a classroom setting or help with exam prep, the support I received from both staff and senior residents alike was incredible.

In addition to enjoying the time I spent in a professional setting with the staff and fellow residents, I also am very appreciative of the friendships forged during my residency training. Whether it was a formal evening, an impromptu after-work gathering or an intense study session, the great camaraderie in our group was always evident. I have developed great

friendships and professional relationships which persist beyond the completion of residency and have helped me to grow both professionally and personally. I have received thoughtful guidance and unwavering encouragement throughout. Overall, residency has been an incredibly rewarding experience.

After residency, I am completing a fellowship in pediatric craniofacial surgery at Boston Children's hospital. I plan to subsequently complete a Masters of Public Health with a focus on clinical effectiveness to investigate and implement the most appropriate and ethical means of providing quality health care to children. Following completion of my fellowship training and masters, I plan to develop a career as a pediatric craniofacial plastic surgeon.

In recognition of all the support and teaching I received, I hope to be able to follow in the footsteps of mentors by sharing the knowledge that has been imparted on me with future generations of students and junior residents. Five years is a short course in a career of lifelong learning. As a result of my training, I am currently a mosaic of all my great teachers and I hope to bring the same excellent care to my patients as demonstrated on a daily basis by my mentors. I know how high a regard I hold for the division's staff and the indelible mark the senior residents left on me during the early days of my training. I hope that one day I will be able to have the type of impact of the next generations of surgeons that this group has had on me."



Fellowship Plans

- 1) Hand And Upper Limb Fellowship at the Hand and Upper Limb Centre, Western University, 6 months
- 2) Breast Cancer Reconstruction Fellowship at the University of Toronto, 1 year

Supervisor(s)

- 1) Doug Ross, Ken Faber;
- 2) Toni Zhong, Mitchell Brown, John Semple

Jennica Platt

"I grew up in London Ontario, but completed my undergraduate medical education in Ottawa. As a young woman in my mid-20's, I was excited and my parents were proud that I was moving to the big city of Toronto to start my plastic surgery training. During my very first week of residency I met a very nice general surgery fellow who would later become my husband, and that moment continues to be one of my happiest and luckiest. Between my junior and senior years, I completed a Masters of Science in Clinical Epidemiology and

Health Care Research through the Institute of Health Policy, Management and Evaluation at UofT. My clinical research was very productive and will serve as a stepping-stone for an academic, advocacy and quality improvement component to my future career.

I have been well-trained at UofT, being exposed to the breadth and depth of our specialty, to become a safe surgeon with good judgement. My fellowships will focus on two areas of personal clinical interest as well as need within our plastic surgery community. First, I will train for 6 months as the Upper Extremity Fellow at the Hand and Upper Limb Centre at Western University, doing complex hand, wrist and peripheral nerve surgery. I will then return to the University of Toronto for the Breast Cancer Reconstruction Fellowship, which has been the focus of my research to date, to specialize in alloplastic, autologous and microsurgical breast reconstruction. Once this is completed it is my greatest hope to build a career as a plastic surgeon that will allow me to apply all my academic and clinical training.”



Resident Orientation, July 2016

Back Row (Left to Right): Matthew Murphy, H el ene Retrouvey, Giancarlo McEvenue, Mike Hendry, Pierre Lapaine, David Wallace, Moaath Saggaf, Sultan Al-Shaqsi

Middle Row (Left to Right): Tomas Saun, Sebastian Vrouwe, Whitney Quong, Kevin Zuo, Monica Yu, Kalila Steen, Natalia Ziolkowski, M elissa Roy, Miliana Vojvodic, Joseph Catapano, Dale Podolsky, Stephanie Dreckmann

Front Row (Left to Right): Rayisa Hontscharuk, Victoria Hayward, Karen Chung, Katie Armstrong, Dr. Mitchell Brown, Dr. Kyle Wanzel, Jana Dengler, Jessica Shih (on laptop), Maryam Saheb-Al-Zamani



Karen Chung

Karen was born in Toronto, and raised in Mississauga. She specialized in Global Health through the BHSc program at McMaster University, and subsequently attended medical school at Queen's University. Passionate about global surgery and social justice, she has had the privilege of living in Ghana and Ethiopia, and advocating for resiliency in refugee women. She enjoys creating recipes, songwriting, and burning off her remaining energy with endurance sports.

Karen is honoured and excited to join the Division of Plastic and Reconstructive Surgery at the University of Toronto.



Pierre Lapaine

Pierre was born and raised on the shores of Lake Huron in Goderich, ON. He then completed his BSc in Kinesiology at McGill before pursuing his medical degree at Western University in London.

In his spare time, he is an avid cyclist, golfer, sports fan, and foodie. Pierre is very excited to join the Toronto Plastics program and looking forward to the five incredible years that lie ahead!



Whitney Quong

Whitney was born and raised in Vancouver, British Columbia. She graduated with a BSc(H) in Physiology and Psychology from the University of British Columbia, where she also continued for medical school. She enjoys travelling, and various artistic disciplines, including architecture, typography, painting, and photography.

Whitney is overjoyed, and humbled to have matched to the University of Toronto Division of Plastic and Reconstructive Surgery, and is excited for the journey of residency.



David Wallace

“Hello everyone! Let me begin by saying how excited I am to be a part of the University of Toronto Division of Plastic and Reconstructive Surgery, and that I look forward to meeting you all! I am a local Torontonian that completed my BSc in life sciences at Queen’s University, my MSc in epidemiology at Queen’s University, and completed medical school at the University of Toronto.

When I am not working or studying, I am an avid golfer, like to spend my time at the gym, and watch NFL football. I am excited for this opportunity to train with you all, and look forward to working with you in the coming years.”



Sultan Al-Shaqsi

“I was born in Oman and graduated from the University of Otago, New Zealand with intercalated degrees in Medicine and PhD in trauma and disaster medicine. I worked in New Zealand for a year and have been working in Oman national trauma centre.

I am a keen runner and a qualified advanced scuba diver. If I’m not running or diving I am probably making Middle Eastern desserts or eating one!”



Moaath Saggaf

“I am deeply honoured and I exceedingly feel excited about joining the program here at University of Toronto.

I am from Saudi Arabia. I went to medical school at King Abdulaziz University, Jeddah, Saudi Arabia where I was offered an academic position as a plastic surgery teaching assistant. I love traveling, learning new languages and exploring new cultures. In my free time, I enjoy playing video games and spending time with my family.

I am truly looking forward to starting the surgical residency.”



DR. TONI ZHONG
Fellowship Director

The Division of Plastic and Reconstructive Surgery has had another extremely successful year in training a total of 18 Fellows. Our Fellows come from around the world, and Canada too.

The Fellows go on to clinical and academic endeavours endowed with new-found knowledge and confidence in their surgical skills and techniques, new foundations based on academic experiences, as well as additional research experience.

In the words of a recent Fellow, “Most importantly this Fellowship has given me a chance to mature as a surgeon. The relationships I have built with my mentors and colleagues this year will be lasting and have an impact on my future practice, and for that I am grateful.”

Building lasting collaborative relationships, bringing their newly-developed skills to further the development of other young residents and surgeons in their community, and recognizing the intrinsic value of their educational experience are the hallmarks of the University of Toronto Plastic and Reconstructive Surgery Fellowship program.



Wesam Almajid

Wesam is from Saudi Arabia and completed his training in Riyadh, Saudi Arabia. After that he pursued a Masters degree in Education and a Total Burn Care fellowship, both at the University of Toronto. He is currently completing a one-year hand surgery fellowship at the Toronto Western Hospital from July 1, 2016-June 30, 2017.

Wesam is in Toronto with his family (wife Zahra and their adorable daughter Judy); and are expecting another daughter in December. Wesam LOVES cars; and enjoys sports, travelling, and food!



Sarah Appleton

Sarah is originally from Fredericton New Brunswick. Prior to her medical education, she obtained a BSc (Hon) in Biochemistry from Mount Allison University and a MSc in Immunology from Dalhousie University. She attended Queen's University in Kingston ON for medical school and returned to the east coast to complete her Plastic Surgery Residency training at Dalhousie University. Career goals include an academic practice with a focus on microvascular reconstruction, breast reconstruction and hand surgery. Research interest includes surgical outcomes, melanoma and surgical teaching methods. Sarah is currently completing a one year oncologic and microvascular reconstruction fellowship with Dr. Joan Lipa at Sunnybrook from July 1, 2016 to June 30, 2017.



Hasan Aziz

Hasan is from The State of Kuwait. He completed his medical school at the RCSI, NUI (Dublin), and then completed his Internship at the ministry of health in Kuwait. Following this, he completed 2 years residency in Gen. Surgery in MHH, Germany, followed by 4 years of plastic surgery residency in Dusseldorf, Germany. Hasan became a Board Certified Plastic Surgeon (Facharzt) NRW, Germany. He went on to complete a Fellowship in aesthetic Surgery (Schwerpunkt). NRW. Germany and is currently completing a one year Burn Care fellowship at Sunnybrook from July 1, 2016-June 30, 2017. Hasan is interested in combining his European and Canadian experiences towards his future career path.



Reid Chambers

Reid is from Victoria BC and graduated from St. Michaels University School in 1999 after a brief stint with Canada U-16 Rugby. He attended McGill University with a Major in Anatomy and Cell Biology and a Minor in atmosphere science. Reid completed Medical School at UBC followed by a return east for plastic surgery training at the University of Ottawa. He is currently completing a one year adult craniofacial fellowship with Dr. Oleh Antonyshyn at Sunnybrook from July 1, 2016 to June 30, 2017.



Ricardo De Miranda

Ricardo is from Brazil and graduated medicine in 2003 at Santa Casa de Sao Paulo Hospital. He did his General Surgery Residency during 2005 and 2006 at Santa Casa de Sao Paulo and Plastic Surgery Residency from 2008 to 2011 at Hospital do Servidor Municipal de Sao Paulo. Ricardo also did a Clinical Fellowship in Breast Reconstruction at Hospital Perola Byington - Sao Paulo and is currently doing an aesthetic fellowship with Dr. Larry Tong at 199 Avenue Road Clinic from July 1, 2016 to June 30, 2017.



Irina Domantovsky

Irina is from Belarus and is currently completing a one year fellowship in pediatric plastic surgery at the Hospital for Sick Children under the supervision of Dr. Christopher Forrest from July 1, 2016 to June 30, 2017. She completed her plastic surgery residency training at the University of Kansas in Kansas City, United States. Irina likes to spend time with her 3 year-old daughter Katherine and Siberian husky. She is currently enjoying her life in Toronto and meeting new friends.



Simon Filson

Simon was born in Manchester but originally trained in Newcastle, England. He moved to Haifa, Israel in 2011 and has been working at the Rambam Health Care Campus until this past summer. He is currently completing a one year fellowship under the supervision of Drs. Fisher and Wong in paediatric plastic surgery at the Hospital for Sick Children.

“I am very excited about spending a year learning at one of the best centres in the world”.



Eduardo Gus

Eduardo is from Brazil and completed his plastic surgery training in 2010. He was involved in research activities since the beginning of Medical School at Universidade Federal do Rio Grande do Sul - UFRGS (1998-2004). He received two research grants on fetal cardiology, and was involved in tutoring programs and volunteer activities in this field between 2001 and 2004.

He attended General Surgery Residency at Hospital de Pronto Socorro de Porto Alegre - HPS (2005-2007), which is the most important trauma and burn centre of the State of Rio Grande do Sul, Brazil during which time he was the Chief Resident. After obtaining this degree, he attended Plastic Surgery Residency at Hospital de Clínicas de Porto Alegre- HCPA (2007-2010), and since then has worked with aesthetic and reconstructive plastic surgery in a private setting.

As most of the Brazilian plastic surgeons, Eduardo has gained an impressive experience in cosmetic surgery, but his main interest has always been reconstructive cases. His short term goal is to shift the focus of his practice to reconstructive plastic surgery and his long term goal is to pursue an academic career in regenerative medicine and tissue engineering. Since 2000, he has been involved in sixteen lectures and active participations in meetings and has won 8 awards. He also has 9 peer-reviewed publications, fifty nine published abstracts and 3 chapters in published books. Eduardo is currently completing a one year burn fellowship at Sunnybrook under the supervision of Dr. Shar Shahrokhi from July 1, 2016 to June 30, 2017.



Aenone Harper

Aenone is a plastic surgeon from Liverpool in the United Kingdom. She will be completing a one year microsurgery fellowship with Dr. Stefan Hofer at the Toronto General Hospital from July 1, 2016-June 30, 2017.

Aenone's area of specialist interest in the UK is melanoma of the head and neck area and she is hoping to further her knowledge and skills in the microsurgical reconstruction of this area. She is also hoping to gain experience in facial nerve reconstruction, in order to set up this service in her local unit when she gets home.

Outside of work, Aenone loves to go travelling, skiing and horse back riding. She has been known to compete in Triathlon and may take this up again in Canada.

Her husband David is an orthopaedic surgeon specializing in foot and ankle surgery. He will not be with her during the fellowship due to work commitments; and he will also be looking after their 20-acre farm with the animals, however he will be visiting as often as he can.



Ting-Chen Lu

Ting-Chen is from Taiwan, a small island of East Asia. She is completing a one year paediatric craniofacial fellowship with Dr. Christopher Forrest and Dr. John Phillips at the Hospital for Sick Children from July 1, 2016 to June 30, 2017. Ting likes to go traveling to different countries.



Niall McInerney

Niall is from Galway in Ireland and graduated from the National University of Ireland in Galway in 2006. He was awarded a masters degree in 2009, also from NUI Galway, for his study of population genetics in Breast Cancer in conjunction with Cancer Research UK. Niall has completed the fifth year of the Irish Plastic Surgery Specialist training program and received the FRCS Plast qualification this year. He will be doing a one year fellowship with Dr. Toni Zhong from July 1, 2016-June 30, 2017.



Brad Morrow

Brad is originally from Pennsylvania. He completed his medical school and his Plastic Surgery residency at Penn State University. He is married with three beautiful children: Conor, Brynn and Cora.

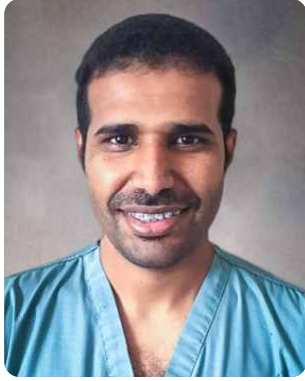
Brad is currently completing a one year pediatric plastic surgery fellowship with Drs. Christopher Forrest and Joel Fish at the Hospital for Sick Children from July 1, 2016-June 30, 2017.



Blake Murphy

Blake was born in Kingston, Ontario and grew up there with his mom and three brothers. He attended Simon Fraser University in Vancouver, BC for his undergraduate degree and completed an honours in Kinesiology while competing on the varsity cross country and track & field teams. Following this, he completed a Ph.D. in Medical Biophysics at the University of Western Ontario before attending medical school in Ottawa, Ontario. He then completed plastic surgery residency at the University of Toronto, followed by a one year fellowship in craniofacial surgery at Nicklaus Children's Hospital in Miami, Florida.

Blake is currently completing a one year fellowship in reconstructive microsurgery at the University Health Network under the supervision of Dr. Stefan Hofer starting July 1, 2016-June 30, 2017. Following this, Blake hopes to find a job in academic plastic surgery combining research and a reconstruction practice including craniofacial and microsurgery.



Yahya Najmi

Yahya is from Saudi Arabia and is a board certified plastic surgeon since 2014 in Riyadh. He has been working as a senior registrar plastic surgeon in the Plastic Surgery Department of King Fahd Central Hospital in Jazan Region, after completing his Saudi Council residency training program in plastic surgery.

In his free time, Yahya likes traveling, sports and trying new restaurants. He is currently completing a one year fellowship in trauma and reconstructive surgery under the supervision of Dr. James Mahoney at St. Mike's Hospital from July 1, 2016 to June 30, 2017.



Kathrin Neuhaus

After a priceless learning experience as a clinical fellow at Sickkids in the previous academic term (2015-2016) Kathrin states she is honored and delighted to be able to stay on for a second fellowship year under the supervision of Dr. Christopher Forrest from July 1, 2016 to June 30, 2017.

Kathrin went to medical school in Tuebingen/Germany. After completing a pediatric surgical residency in Germany and Switzerland, she became board certified as a general pediatric surgeon in 2011. Prior to moving to Toronto, she was working as a junior staff in the Division of Plastic and Reconstructive Surgery at the University Children's Hospital in Zurich, Switzerland, the place she calls home and the position she will go back to after the second fellowship year.

She is excited and grateful to live and learn again within the outstanding Sickkids Plastic Surgery team and is sure that there will be much more to learn and embrace. Kathrin states she loves her job as a pediatric (plastic) surgeon, especially the privilege of being able to exclusively take care of children.

Kathrin's husband and two children came across the Atlantic Ocean with her to experience and enjoy work and life in Toronto.

"Those three deserve and get as much of my free time as possible, they are my major hobby".



Jacqueline Piggot

Jacqui completed her plastic surgery residency in London Ontario. She is proud to join the Hand and Upper Extremity team under the direction of Dr. Steve McCabe, Dr. Dimitri Anastakis, Dr. Herb Von Schroeder, and Dr. Heather Baltzer as a fellow at the Toronto Western Hospital from July 1, 2016 to June 30, 2017.

In her spare time, she enjoys long walks on Bathurst Street and singing in a garage band.



Jennica Platt

Jennica grew up in London Ontario, but completed her undergraduate medical education in Ottawa. Jennica completed her plastic surgery training just this past year in June 2016 through the University of Toronto.

During her very first week of residency she met a very nice general surgery fellow who would later become her husband, and that moment continues to be one of her happiest and luckiest.

Between Jennica's junior and senior years, she completed a Masters of Science in Clinical Epidemiology and Health Care Research through the Institute of Health Policy, Management and Evaluation at UofT. Her clinical research was very productive and will serve as a stepping-stone for an academic, advocacy and quality improvement component to her future career.

Jennica is currently completing a six-month upper extremity fellowship at the Hand and Upper Limb Centre at Western University, doing complex hand, wrist and peripheral nerve surgery. She will then return to the University of Toronto for the Breast Cancer Reconstruction Fellowship under Dr. Toni Zhong at the Toronto General Hospital, which has been the focus of her research to date, to specialize in alloplastic, autologous and microsurgical breast reconstruction. This fellowship will begin Jan 2017 – June 2017 for another six month period.



Anna Von Platen

Anna is from Sweden and completed her residency training in Plastic Surgery at Uppsala University Hospital in Sweden.

She is currently completing a six month fellowship in breast cancer reconstruction with Dr. Toni Zhong at the Toronto General Hospital from July 1, 2016 to December 31, 2016.



Elizabeth Zellner

Liz is from the USA and is completing a one-year Craniofacial fellowship with Drs. Forrest and Philips at the Hospital for Sick Children from July 1, 2016 to June 30, 2017. She spent the previous six years at Yale-New Haven Hospital for her plastic surgery training.

She is hoping to gain an appreciation for hockey, poutine and Canadian rock bands this year.



KATHY PAVLOVIC
Program Administrator
www.uoftplasticsurgery.ca

Exciting updates coming soon: the Division of Plastic and Reconstructive Surgery will be showcasing and recognizing faculty research on our UofT website.

A long list of projects underway at each of our teaching hospitals will be listed on a “White Board” on our website. This “White Board” will serve as an information tool and enable better connection between PI’s and prospective trainees.

Since the successful launch of the new site in June 2014, there has been a tremendous increase in visits to our site:

Number of Visits, 2014 - 2015

Division: 29,559
Resident Aesthetic Clinic: 5,903

Number of Visits, 2015 - 2016

Division: 41,228 (39% increase)
Resident Aesthetic Clinic: 11,785 (nearly 100% increase!)

Top Countries

Canada 75%, USA 8%, India/Saudi Arabia/Brazil and Australia account for most of the remaining traffic.

Stay tuned for further updates and announcements regarding the continued growth and success of our website!



DAVID GRIECO
 Senior Development Officer
 Faculty of Medicine, University of Toronto

Division of Plastic and Reconstructive Surgery: 2015-2016 Advancement Summary

- Over \$510,000 secured for the Division
- 100% participation from Divisional faculty
- Over \$360,000 from industry supporters
- Six fellowships fully funded
- Ongoing major gift and alumni engagement activity

Breakdown of Funding by Source





Dr. Nancy McKee

The career of Dr. Nancy McKee was celebrated at the Division's Graduation Gala Dinner and acknowledged by awarding her the Chair's Lifetime Achievement Award in June 2016.

Nancy retired after a 37-year career at Mount Sinai Hospital. Nancy graduated from the University of Toronto Medical School in 1970 and after doing an internship at the Royal Victoria Hospital in Montreal she started her residency in Plastic Surgery at the University of Toronto under the tutelage of Dr. W.K. Lindsay. Nancy obtained her fellowship in 1976 and then did a prestigious 4-year Medical Research Council of Canada Research Fellowship under the supervision of Dr. Ralph Manktelow. Her interests in research and the pursuit of academia started early and remained an undying passion with Nancy. In that era, the concept of the Surgeon-Scientist was in its embryonic state and Nancy's career trajectory is a testament to its importance in academic surgery.

Nancy started her staff appointment as the first divisional female member at the University of Toronto in 1979 and became a full Professor in 1993. In her typically idiosyncratic and creative manner, she has maintained several unique staff cross appointments in both the University of Toronto School of Physical and Health Education (since 1988) and the Department of Kinesiology at the University of Waterloo (since 1997). In this way, she has been able to expand the horizons of our specialty and develop collaborative and fruitful relationships with groups that don't routinely cross the path of the Plastic and Reconstructive surgeon. Most notably she has been integral in the success of several Surgeon-Scientist trainees including Dr. Bill Kuzon, Dr. Howard Clarke, and Dr. Joel Fish all of whom have risen to high levels of prominence in the academic arena of Plastic and Reconstructive Surgery.

Nancy's contributions to the research profile of Plastic and Reconstructive Surgery cannot be overstated. At a local level, for years she continued to run research supper clubs at her house allowing opportunities for the research community here at the University of Toronto to get together in a collaborative and collegial fashion. Nancy has been a lifelong supporter of the Plastic Surgery Research Council and brought this

remarkable meeting to Toronto in 1992 where she was the Chair.

Generous, collaborative, broad-minded, idiosyncratic, sensitive, innovative, loyal and dedicated. These are terms that come to mind when one reflects on Dr. Nancy McKee and her career. It is safe to say that her investments in the field of Plastic and Reconstructive Surgery have enriched and fostered the specialty. Congratulations to Nancy on a remarkable and rich career and thank-you for all that you have done for our division.



Dr. Christopher Forrest and Dr. Nancy McKee



Drs. W. K. Lindsay and H. G. Thomson

fest-schrift (fĕst'shrĭft')

n. pl. fest-schri-f-ten (-shrĭf'tĕn) or **fest-schrifts**

A volume compiled as a tribute, especially to a scholar, consisting of articles or essays relating to the honoree's work or interests.

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, we did something a little more special by using the Twelfth Annual Symposium to recognize the career and accomplishments of **Dr. Ron Zuker**. In June 2015, after 37 years, Ron retired from active clinical practice but continues to remain active and viable with select participation in cases and involvement in SickKids International and global outreach. His contributions in the arenas of cleft surgery, microsurgery, separation of conjoined twins, congenital hand surgery, composite vascularized allotransplantation and free-functional muscle transfer most notably in restoration of a smile are unparalleled and he has had a career to be envied. So we invited 22 of his former fellows and best friends from all points of the globe to come and speak... and you know what? They all came!

Israel, Ireland, Switzerland, England, Australia, Taiwan, the US and Canada – a highlight included this year's Vale Lecturer Professor Fu-Chan Wei from Chang Gung Memorial Hospital in Taipei. Professor Wei was a former fellow of Drs. Zuker and Manktelow in 1979 and celebrated his continuing relationship with Toronto Plastic and Reconstructive Surgery with his lecture "The Blooming Plastic and Reconstructive Surgery Center at Chang Gung - The Fruit of Toronto's Contribution". It was a spectacular program most talks which bubbled over the 10-minute limit (but who cares?)



The whole crew!

Thanks to the speakers who all put their best feet forward in participating in this remarkable event.

Dr. Ralph Manktelow (Toronto): A Bit of Toronto Microsurgery History

Mr. Adel Fattah (Liverpool, UK): Facial Nerve Grading Scales: Which is Best?

Dr. William M. Kuzon, Jr. (Ann Arbor, MI): What Ron Zuker Neglected to Teach Me about Facial Reanimation

Dr. Richard James Redett, III (Baltimore, MD): Zuker's Point and Other Tidbits and Wisdom I learned in Toronto

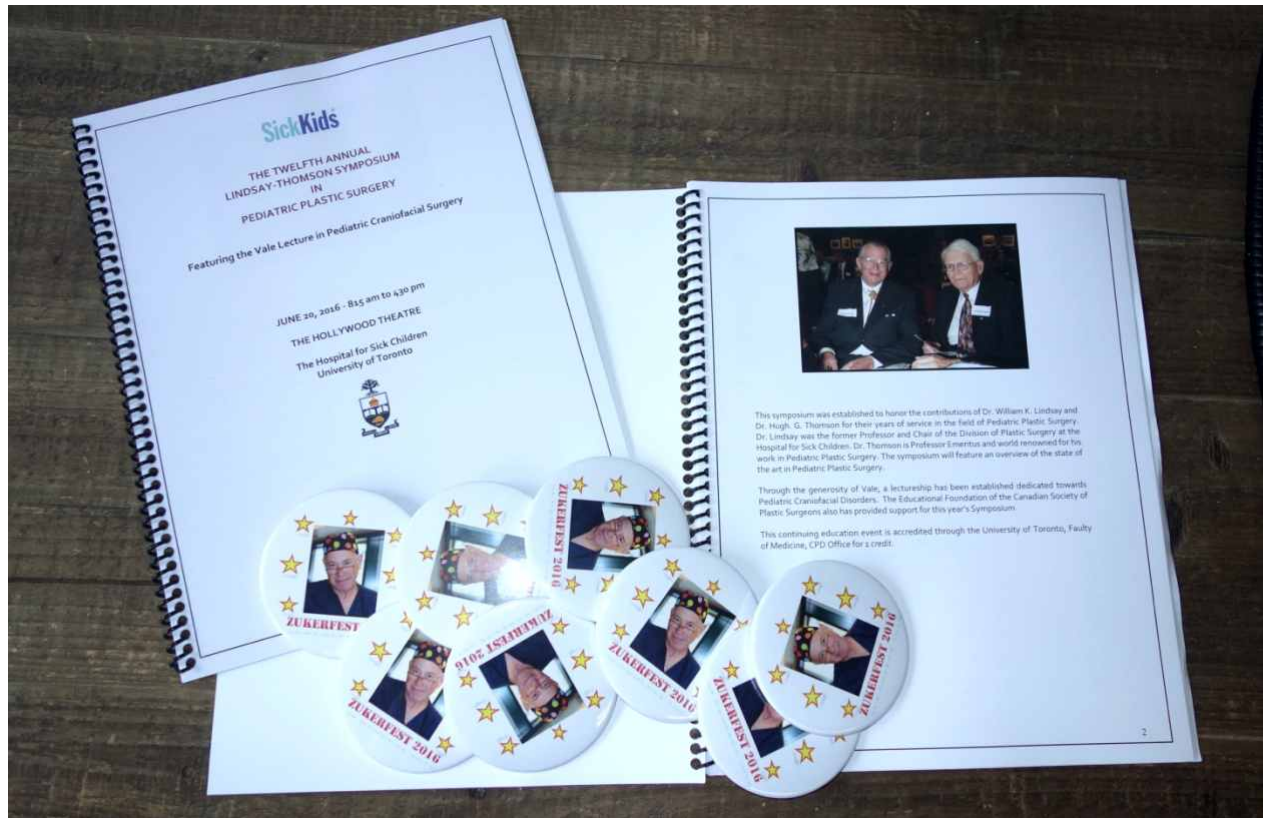
Dr. Greg Borschel (Toronto): The Cross Face Nerve Graft: New strategies to improve effectiveness

Dr. Eyal Gur (Tel Aviv, Israel): What Did We Learn from Our Masters and Where Did We Take It To - Innovation in Facial Paralysis Reconstruction

Dr. E. Patricia Egerszegi (Montreal): Hand Function is a Beautiful Thing - Reconstruction of Pinch and Grasp in the Paediatric Patient

Dr. Mike Klebuc (Houston, TX): Collaboration & Innovation: Essential Elements in Reconstructive Surgery

Mr. Sean Carroll (Dublin, Ireland): Use of Stem cells in the management of CMC joint OA



- Dr. Alison Snyder-Warrick** (St. Louis, MO): Expanding Paediatric Microsurgery in the Show-Me State: A Gateway for Progress
- Dr. Peter Neligan** (Seattle, WA): Advances in the Surgical Treatment of Lymphedema
- Mr. Stuart Bade** (Brisbane, Australia): Microsurgical Hepatic Artery Reconstruction in Paediatric Liver Transplantation: The Brisbane Experience
- Dr. Richard Korentager** (Kansas, KA): Resident Evaluation and Feedback: A novel app for use with smartphones, tablets and computers
- Dr. David Khechoyan** (Houston, TX): Measuring Craniosynostosis Outcomes in 3D
- Ms. Norma Timoney** (London, UK): An Approach to Managing Cleft and Non-cleft Velopharyngeal Insufficiency
- Dr. Cindy Verchere** (Vancouver, BC): Pediatric Melanoma: A 35 year Population-Based Review
- Dr. Giorgio La Scala** (Geneva, Switzerland): A Skin-Sparing Approach to Necrotizing Fasciitis
- Professor Fu-Chan Wei** (Taipei, Taiwan): The Blooming Plastic and Reconstructive Surgery Center at Chang Gung - The Fruit of Toronto's Contribution
- Dr. Joel Fish** (Toronto): Back to the Future: Burns past and present
- Dr. Kristen Davidge** (Toronto): Pain Following Surgical Treatment for OBPP
- Dr. David Fisher** (Toronto): Measure for Measure
- Dr. Karen Wong-Riff** (Toronto): Measuring Global Outcomes in Cleft Care
- Dr. Ron Zuker** (Toronto): Collaboration - A Win Win for All



Drs. Ralph Manktelow and Ron Zuker



Dr. Ron Zuker and Professor Fu-Chan Wei



Former UofT Division Chair Dr. Ralph Manktelow



2016 Vale Lecturer Professor Fu-Chan Wei



MASSEY COLLEGE 4 *Devonshire Place*

Zukerfest 2016 continued into the evening with a celebratory dinner and roast held in the main hall at Massey College. Many thanks to **Dr. Howard Clarke** for organizing and hosting this event. The room was packed with faculty and staff from the Hospital for Sick Children and included a roast from Ron's son's, Jeremy, Phil and Andrew. **Dr. Steve McCabe** honored Ron's contributions during the country's first upper extremity replant in January 2016 with a knife made of dragon-glass. Former division Chair **Dr. Ralph Manktelow** presented Ron with an original Manktelow hand-made canoe paddle. The evening was filled with tributes from **Dr. Cory Goldberg**, former Chair **Dr. Peter Neligan** and also his wife, **Dr. Gaye Kane** (now at University of Washington, Seattle), SickKids Pediatric Surgeon **Dr. Jack Langer**, former co-fellows **Dr. Adel Fattah** (Liverpool, UK) and **David Keychoyan** (soon-to-be Denver, CO), UofT alumnus **Dr. Lowell Hughes** (Anguilla), UofT alumnus **Dr. Bill Kuzon** (Ann Arbor, MI), SickKids PT **Chris Curtis**, SickKids OR RN **Daisy Pritz**, SickKids staff **David Fisher**, Dubliner **Sean Carroll**, Aussie **Stu Bade**, **Alison Snyder-Warrick** (St. Louis, MO) but the highlight was **Cindy Verchere's** (Vancouver, BC) remarkable off-the-cuff tribute.



Dr. Steve Samuel and SickKids Pediatric Surgeon
Dr. Jack Langer



Dr. and Mrs. Cho Pang and Dr. Arnis Freiberg



SickKids PT Wendy Beaton and SickKids Intensivist
Dr. Peter Cox



What a group! From left to right: SickKids RN team
Nicole Cross, Donna Stevenson, Midge, Nadia, Alison
Miller, RMZ, Daisy Prits and Christina Lam



Cindy Guernsey RN, Alison Miller, RN, RMZ, Dr. Jeff
Fialkov and Dr. Giorgio La Scala (Geneva, Switzerland)



Drs. Howard Clarke and Jeff Fialkov



UofT alumnus Dr. Olivia Ho, Dr. Leila Kasrai and Dr. Yvonne Ying



Aussie Dr. Stuart Bade and Dr. Karen Wong



Former SickKids research fellows, Dr. Giorgio LaScala and Artur Gevorgyan



Drs. David Fisher, Alison Snyder-Warrick and Stuart Bade



Girl Power! Drs. Claudia Malic (Ottawa), Norma Timoney (London, UK) and Cindy Verchere (Vancouver, BC)



SickKids Speech/Language Team Paula Klaiman, Simone Fischbach and Fran Magar-Bacal with Ron Zuker



Former UofT Chair Dr. Peter Neligan with Dr. Lowell Hughes (Anguilla) and Dr. Jeff Fialkov



Alumnus Dr. Bill Kuzon and his wife Linda



The back of Dr. Cory Goldberg's head with Dr. Eyal Gur and David Fisher



Drs. Greg Borschel, Peter Neligan, Joan Lipa and Cho Pang



A call to arms... or to dinner... Massey College big-man-on-campus, Dr. Howard Clarke



Dr. Giorgio La Scala and Ron Zuker



Drs. Ralph Manktelow, RMZ and Alison Snyder-Warrick



Drs. David Leshem (Tel Aviv, Israel) and Ron Zuker



The OR team!



Dr. Wally Peters



Dr. Andre Panossian (Los Angeles)



Dr. Pat E



Dr. Cory Goldberg



Dr. Steve McCabe and Ron Zuker with his dragon-glass blade





Dr. Gaye Kane (Seattle, WA)

Gail and Ron Zuker with Dr. Patricia Barberi



No matter where you are, you now have a paddle...

Drs. Doug Ross and Toni Zhong



Dr. Jack Langer and Ron Zuker



Former UoT Division Chair Dr. Peter Neligan (Seattle, WA)



Dr. Lowell Hughes (Anguilla)



Dr. Stuart Bade (Brisbane, Australia)



Former co-fellows Drs. Adel Fattah (Liverpool, UK) and David Keychoyan (Houston, TX)



Show-stealer Dr. Cindy Verchere (Vancouver)



Dr. Alison Snyder-Warrick (St. Louis, MO)



Dr. Greg Borschel



Dr. Bill Kuzon (Ann Arbor, MI)



Dr. David Fisher



The Zuker Boys (Jeremy, Phillip and Andrew)



The last word...



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 23rd, 2016 the Rosewater Supper Club opened its doors to celebrate all that is good within the Division of Plastic and Reconstructive Surgery at the University of Toronto and this year we had some very special guests!

It was a thrill to congratulate this year's graduating residents, Drs. Siba Haykal, Jennica Platt, Ryan Austin, and Kathryn Isaac for successfully completing both their residencies and also their Royal College exams. We will miss them and look forward to watching the next part of their careers unfold. Thanks to Program Director, Dr. Mitch Brown for an unforgettable video montage (see below) and to Kathy Pavlovic for organization of the evening.





Class of 2016: From left to right: Drs. Ryan Austin, Siba Haykal, Kathryn Isaac and Jennica Platt



Dr. Ryan Austin and family



Dr. Siba Haykal and family



Dr. Kathryn Isaac and family



Dr. Jennica Platt and family

Not to detract in any way from the achievements of this year's graduating residents, for the very first time, we also celebrated our esteemed alumni!

Did you know that since the University of Toronto established a surgical training program, 208 Plastic Surgeons have been trained here?! So we invited them back! At least as many as we could... and you know what? 39 of them came back!

We decided to celebrate those alumni graduating over a 30-year period from 1956 to 1986 as well as distinguished recent alumni. Director of Alumni Relations **Dr. Ron Zuker** organized the creation of a commemorative medallion (The Chair's Medal) individually numbered making each one unique. Each medal was inscribed with a name, the year of graduation and the alphabetical order of graduation. A highlight of the medallion handout was seeing our oldest alumnus, **Dr. Leslie Chasmar** (1956!) who is now 93 years young come to the podium and tell the audience about life as a resident under **Dr. A. W. Farmer**.



The Chair's Medal



Dr. and Mrs. Frank Sutton (1978)



Dr. Charles Palmer (1966)



Drs. John Semple (1987), J. Brian Boyd (1981) and Robert J. Stubbs (1979)



Dr. and Mrs. Dale Birdsell (1968), Dr. J. Brian Boyd (1981) and Dr. and Mrs. John Taylor (1971)



Dr. Arnis Freiberg (1967) and J. Michael Drever (1971)



Drs. Ronald M. Zuker (1976) and Leslie R. Chasmar (1956!!!!)



Dr. and Mrs. Chosen Lau (1969) and Dr. Leslie R. Chasmar (1956)



Drs. Michael Weinberg, Giancarlo McEvenue and Steve McCabe



Dr. Greg McCain (1974) and Dr. and Mrs. Joseph Starr (1970)



Dr. J. Brian Boyd (1981) and Dr. Bernd Neu (1982)



Drs. Alex Dagum (1993) and Bernd Neu (1982)



Dr. Steve Samuel (1980) and Dr. Jim Mahoney (1980)



Mrs. Susan Neu, Dr. Charles Palmer (1966) and Dr. Bernd Neu (1982)



Dr. Nouri Shammass (1978) and Dr. Muriel Roach (1978)



Drs. John Taylor (1971) and J. Michael Drever (1971)



Dr. Steve McCabe



Toby Condliffe and Dr. Nancy McKee (1976)



Dr. and Mrs. Joseph Starr (1970)



Dr. Christopher Forrest and Dr. Sandy Pritchard (1982)



Dr. Christopher Forrest and Dr. J. Brian Boyd (1981)



Dr. Christopher Forrest and Dr. Walter J. Peters (1977)
and Dr. Mitch Brown (1994)



Dr. Christopher Forrest and Dr. Dale Birdsell (1968)



Dr. Gord Knudson (1963) with Dr. Ron Zuker and Dr. Christopher Forrest



Dr. Leslie R. Chasmar (1956) telling the audience about life as a resident under then-chair A. W. Farmer



Dr. Alex Dagum (1993) with Dr. Frank Lista (1986) and Dr. Paul Binhammer (1992)



Dr. Wayne Carman (1982) and Dr. Christopher Forrest



Dr. Christopher Forrest and Dr. Jamil Ahmad

Oh, and there were a bunch of awards...

Congratulations to **Dr. Jamil Ahmad** who was awarded the Chair's "Above and Beyond" award. Jamil has done a terrific job of managing the Resident Aesthetic Clinic and also recruits some big names in the field to talk at the GTA Lecture Series. He co-organizes the Toronto Aesthetic Symposium. He continues to run a busy practice and productive academic profile.



Dr. Christopher Forrest and Dr. Ali Ghanem

A special Chair's Recognition Award was given to SickKids fellow **Dr. Ali Ghanem** for the generous donation of time and expertise in sharing a competency-based approach to microsurgical skills acquisition to our residents. As outlined in the May WGO, Ali took 10 of our residents through a microsurgery training course highlighted with a dinner and presentation of certificates by microsurgery pioneers Drs. Ralph Manktelow, Nancy McKee and Ron Zuker.



Dr. Christopher Forrest and Dr. Ryan Austin

This year's Hugh G. Thomson Award was given to graduating resident **Dr. Ryan Austin**. To commemorate his legacy, the Thomson family and the Division of Plastic and Reconstructive Surgery at the Hospital for Sick Children have established an award in Dr. Thomson's name to be given to the trainee in Plastic and Reconstructive Surgery who best emulates his values of collegiality, honesty, generosity, mentorship and humanitarianism.



Research Director Dr. Greg Borschel, Dr. Karen Cross and Dr. Christopher Forrest

For the first time, the Chair's Research Award was handed out to **Dr. Karen Cross**. This award was generated to recognize the academic potential of a young and rising star who is appointed as surgeon-scientist in the Department of Surgery. See more about Karen below.

Each year, the graduating class of residents selects a staff person who they feel best suits the criteria for best teacher and best research mentor. This year, the Arnis Freiberg Faculty Teaching Excellence Award to was awarded to **Dr. Mitch Brown** and the William K. Lindsay Faculty Research Mentor Award to **Dr. Jamil Ahmad**.



Arnis Freiberg Faculty Teaching Excellence Award winner Dr. Mitch Brown and Dr. Ryan Austin



WK Lindsay Research Mentor winner Dr. Jamil Ahmad and Dr. Ryan Austin



Fellowship Director Dr. Toni Zhong

Our division is fortunate in attracting a large number of high quality fellows from all around the world. This is an important opportunity for our division not just to provide sub-specialty education to surgeons but to also establish life-long ties and relationships with these fellows. This year, we celebrated the successes of the UofT PRS fellows with certificate presentations.



Some of the fellows

Thanks to our industry partners who were also in attendance at the event and got to participate in the celebrations. These included **George Saltzburg** and **Jocelyn Mang** (Allergan), **Jessica Roeder** and **Keith Flower** (KLS-Martin), **Wade Bekar** and **Julie Anne Darby** (Dupuy-Synthes), **Kevin Simmons** and **Kim Usitalo-Bowden** (Mentor), **Carol Selby-Reid** (Acelity), and **Kim Routledge** and **Ernie Chow** (Galderma).

It really was a special evening and a thrill to have alumni share in the successes of the division. So, I am happy to proclaim that alumni will continue to be invited to the graduation dinner each year to celebrate the achievements of the division and renew friendships.

Check out the following link for all the photos:
<https://www.uoftplasticsurgery.ca/graduation-gala-2016/>

Our division continues to host visitors and dignitaries from around the world. Thanks to Dr. Jamil Ahmed who manages the highly successful GTA Lecture Series. This is designed to bring community and academic surgeons to a common forum to hear lectures from the experts. During this past year, the division hosted 4 events.

The academic season got off to a kick-start with a double-header visiting professorship that featured two giants in the world of breast reconstruction and microsurgery giving great talks at the first GTA Lecture Series and the first Professors Rounds of the new academic year in late September.



Dr. Jaume Masià

Dr. Jaume Masià is the Chief of Plastic Surgery Department at Hospital de la Santa Creu i Sant Pau-Hospital del Mar in Barcelona, Spain and a well-known icon in the microsurgery world. He has incredible expertise in supermicrosurgery (involving vessel anastomosis 0.3 to 0.8 mm diameter) and a highly engaging speaker. He has just published a book on lymphedema surgery (with former UofT Chair Dr. Peter Neligan!)



Mr. Jian Farhadi

Mr. Jian Farhadi is a fully accredited Consultant Plastic Surgeon and the Director of the Department of Plastic & Reconstructive Surgery at Guy's and St. Thomas' Hospital in London. He is a specialist in reconstructive and aesthetic breast surgery and a reader at the Faculty of Medicine at the University of Basel in Switzerland and manages a dual practice in London and Switzerland.

The topics of discussion included current concepts in breast reconstruction, super-microsurgery, lymphedema surgery and the role of an oncoplastic surgical approach to the management of breast reconstruction.



Division Chair Dr. Chris Forrest, Dr. Mitch Brown, Dr. Jaume Masià, Mr. Jian Farhadi and Dr. Stefan Hofer



On Monday November 9th, 2015, it was a delight to host **Dr. Christine Hamori** from Duxbury, Massachusetts in the South Boston area. Dr. Hamori is a graduate of Tulane Medical School in New Orleans and did her training in General Surgery at Boston University before completing a residency in Plastic & Reconstructive Surgery at University of Pennsylvania. Dr. Hamori gave a wonderful lecture on “Labiaplasty and beyond” in addition to spending the afternoon with our residents. Christine has developed a significant level of expertise in this area and has a large profile in the lay and popular press. The area of aesthetic genital surgery has gained significant popularity of late and our specialty is well-poised to have expertise in this area.



Drs. Christine Hamori and Jamil Ahmad



Due to illness, scheduled GTA Lecturer and ASPS President **Dr. James Grotting** was not able to give his talk on February 3rd, 2016. The division was very fortunate in having a pinch-hitter **Dr. Nicolas Guay** who very kindly stepped up to fill the vacancy and delivered a terrific lecture "Improving availability of breast reconstruction flap surgery through efficiency". Dr. Nicholas A. Guay was appointed Corporate Chief of Surgery and Medical Director of Surgery at the William Osler Health System in January 2014 after starting his career in Ottawa where he developed a Breast Cancer Reconstruction Team. Dr. Guay has numerous national and international presentations discussing Single Stage Autologous and Implant Breast Reconstruction, Efficiency in the Operating Room and, Surgical Education. Dr. Guay is the creator and lead physician behind a national breast reconstruction patient education website, www.breastreconstructioncanada.ca.



Drs. Nicolas Guay and GTA Lecture series organizer Jamil Ahmad



Dr. Howard N. Langstein

The fourth and final GTA lecture series was held on April 7th, 2016 and featured **Dr. Howard N. Langstein**, M.D., who is the Chief of Plastic and Reconstructive Surgery at the University of Rochester Medical Center. Howard presented a remarkable lecture entitled “Leonardo DaVinci - Artist and Engineer and Inspiration for Plastic Surgeons” drawing on the inspirations of one of the most innovative and original renaissance artists and applying these principles to what we do on a day to day basis in Plastic and Reconstructive Surgery. The following day, Howard gave Professor’s Rounds to the division on “Refinements in the Total Autologous Latissimus Dorsi for Breast Reconstruction - Grafting Fat Immediately”. Thanks to Jamil Ahmed for organizing the GTA lecture series for the past year and to Stefan Hofer for inviting Howard to share his insights.

The division has been host to a number of really interesting people over the past couple of months.



Dr. L. Scott Levin

We were privileged to have **Dr. L. Scott Levin**, MD, FACS, Chair, Department of Orthopaedic Surgery, Paul B. Magnuson Professor of Bone and Joint Surgery, Professor of Plastic Surgery in Surgery visit the Hospital for Sick Children on April 27th, 2016 to share with us his experience in performing the first double upper extremity transplant in the pediatric age group as director of the Hand Transplantation Program at The Children’s Hospital of Philadelphia.

Scott is board-certified in Orthopedic Surgery and has a Certificate of added Qualification in hand surgery and is also board-certified in Plastic and Reconstructive Surgery. With this skill set, he has developed the field of “Orthoplastic Surgery.” Scott presented rounds entitled “The microsurgical reconstructive ladder for children: Replantation to transplantation” which featured the inspirational story of Zion, an 8 year old boy who lost both hands and feet at age 2 years due to sepsis. Widely published, with more than 244 peer reviewed journal articles, 69+ book chapters and 7 books, Scott has served as Chairman of the American College of Surgeons’ Advisory Council for Orthopaedic Surgery, REGENTS (ACS),

President of the World Society of Reconstructive Microsurgery, past President of the American Society for Reconstructive Microsurgery, member at large of the American Society of Plastic and Reconstructive Surgeons, past President of the American Society for Reconstructive Transplantation and member of the board of directors of the American Board of Plastic Surgery. An amazing guy demonstrating the example of the paradigm shift from reconstructive to restorative surgery. Thanks to Greg Borschel for coordinating Scott's visit.



Drs. Scott Levin, Greg Borschel, Ron Zuker and Steve McCabe

The division enjoyed hosting **Mr. Henk Giele** MBBS, MS, FRCS, FRACS (Plastics), MRACMA, from Oxford University on May 4th, 2016 who presented at city-wide Transplantation Rounds at UHN on his remarkable experience on abdominal wall transplantation. Henk received microsurgical fellowship training in Australia at the Bernard O'Brien Institute of Microsurgery, St Vincent's Hospital, Melbourne and completed an orthopaedic hand fellowship at L'Institut de la Main, Paris, France before accepting a position as Consultant Plastic Reconstructive and Hand Surgeon in Oxford in October 1996. To date, Henk has performed 19 abdominal wall composite vascularized allotransplantations and he shared his innovations and insights with members of the UHN transplant team and division members. One included the use of a radial forearm flap in lung transplant patients as an external monitor, thereby preventing the need for multiple bronchoscopies and biopsies. Pretty cool! Thanks to Stefan Hofer for organizing Henk's visit.



UHN transplant surgeon Dr. David Grant, Dr. Stefan Hofer, Mr. Henk Giele and Dr. Atul Humar (Head of UHN transplant program)

And more visitors from the UK...



At Professor's Rounds on Friday October 23rd, 2015, the division was exceptionally pleased to host **Professor David Dunaway**, FDSRCS, MB, ChB, FRCS, CCST, Head of Plastic Surgery and the Craniofacial Unit at Great Ormond Street Hospital for Children in London gave a memorable presentation entitled "3D Modelling and the Craniofacial Surgeon: How geometric morphometrics aids reconstruction".



Professor Dunaway has had a remarkable career at GOSH focusing on the management of complex craniofacial cases including several cases of craniopagus conjoined twins. He has developed a normative database of 3D facial images obtained from visitors at the London Museum of Science which he has used to develop surgical paradigms for facial reconstruction.



Global ambassador and divisional Director of Alumni Relations Dr. Ron Zuker and Dr. Tilinde Chokotho

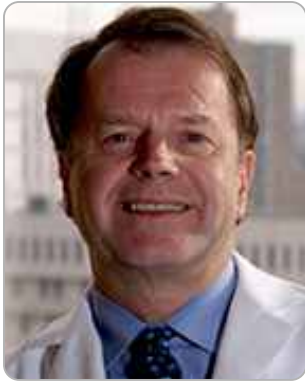


The Division at SickKids was delighted to recently host **Dr. Tilinde Chokotho** who is a plastic surgeon from Malawi and spent 2 weeks observing and interacting with members of the cleft and burn teams. He achieved international credentialing with Operation Smile and is now a key surgical volunteer and future leader for the region. Most of us recognize Malawi because of the Madonna connection with her charity work there. Malawi is one of the least developed countries in the world with an economy heavily based on agriculture. There is a population of almost 20M with a low life expectancy (54 years) and high infant mortality (48.01 deaths/1,000 live births). It was a privilege to get to know Tilinde and show him around.



Dr. Tommy Chung (8) (Chang Gung Hospital, Taipei), Dr. Greg Borschel (9), Dr. Kristen Davidge (1), Mr. Chris Coombs (30), Dr. Howard Clarke (29), Dr. Ashok Gupta (49) and Dr. Ron Zuker (37). That's 148 years of microsurgical experience as a staff person!!

In the summer of 2015, SickKids also had the unique opportunity of having more than 100 years of microsurgery experience in one room at the same time. We enjoyed hosting both **Mr. Chris Coombs**, Clinical Associate Professor and Chief, Department of Plastic & Maxillofacial Surgery at the Royal Children's Hospital in Melbourne, Australia and **Dr. Ashok Gupta** from Mumbai India who recently received the highest honour of "Padma Shri Award" to Indian citizens to recognize their distinguished contribution in various spheres of activity. It was a remarkable experience listening to these giants in their field of reconstructive microsurgery and even more remarkable to realize multiple generations of microsurgeons in the same photo below. Collectively, these surgeons have over 100 years of experience in microsurgery... that's a lot of time looking down a microscope!



This year, weather notwithstanding, **Professor Julian J. Pribaz**, Professor of Surgery, Division of Plastic and Reconstructive Surgery at Harvard Medical School gave the Harland Smith Lecture on March 4, 2016 at the Li Ka Shing Auditorium. The Harland-Smith Lecture was established for the purposes of highlighting the relevance and importance of anatomy in the day-to-day surgical arena. His talk was entitled “Preparation for facial transplantation – lessons learned from anatomical dissections in clinical experience for our first 7 cases.”

Julian J. Pribaz

Surgery
UNIVERSITY OF TORONTO

FRIDAY 4 MARCH
Li Ka Shing Knowledge Institute, St. Michael's Hospital
7:30-8:30 AM

DEPARTMENT OF SURGERY
HARLAND SMITH LECTURE
Julian J. Pribaz MD
Professor of Surgery
Harvard Medical School

"Preparation for Facial Transplantation -
Lessons Learned from Anatomical Dissections
and Clinical Experience with Our First 7 Cases"

Learning Objectives:

- To appreciate the importance of basic and specific anatomical dissections for each patient, including partial face, total face and composite jaw transfers
- To review the importance of the 'angiosome' concept in simplifying composite tissue transplants based on the facial vessels alone
- To appreciate how the different tissue components of the composite transfers are manipulated

Dr. Carlton Smith and Rita Harland

Julian J. Pribaz MD

Professor Pribaz provided a remarkable and eloquent journey of the evolution of facial reconstruction from the early days of tube pedicle flaps through basic microsurgical transfers all the way to the rarified atmosphere of composite vascularized allotransplantation. In this new world order in Plastic and Reconstructive Surgery, the term 'restorative' surgery has supplanted the word 'reconstructive'. In his words, "transferring body bits from one area to the other, at best cannot produce anywhere close to the level of sophistication in cosmesis and function as transfer from a living donor". The remarkable talk that was highlighted also by opportunities for CVA in the future which include abdominal wall, uterine, and even eye transplantation. The future looks bright!



Drs. Ron Zuker, Cindi Morshead (Chair, Department of Anatomy), Julian Pribaz and Christopher Forrest



Dr. Derek Steinbacher

On February 25th, 2016, the division was fortunate to host Yale faculty **Dr. Derek Steinbacher** who delivered a terrific Professor's Rounds entitled "Aesthetic considerations in orthognathic surgery" which blended the best of current technology, CAD-CAM modeling, cone-beam CT imaging and surgical planning methodologies. Dr. Steinbacher obtained his MD from Harvard Medical School and his DMD from the University of Pennsylvania, both with honors. He received fellowship training in craniofacial surgery from Children's Hospital of Philadelphia, completed the plastic and reconstructive surgery program at Johns Hopkins Hospital, and trained in oral/maxillofacial and general surgery at Massachusetts General Hospital. Derek is Associate Professor of Surgery, Chief of Oral and Maxillofacial Surgery and Chief of Dentistry and Director of Craniofacial Surgery at Yale. Thank-you for the kind generosity and support of KLS-Martin for this lectureship.





Dr. Amir Dorofshar, KLS-Martin rep Jessica Roeder and Dr. Chris Forrest

The final Professor's Rounds of the year were given on June 10th, 2016 by **Dr. Amir Dorofshar**. Amir is an Associate Professor of Plastic and Reconstructive Surgery and Neurological Surgery at the Johns Hopkins University School of Medicine and Clinical Co-Director of the Face Transplant Program (and a pretty good squash player) with a remarkable CV for someone who started his academic career at John's Hopkins in 2010 (103 peer reviewed scientific papers and 12 book chapters to his name) and was an integral member of the Baltimore team that performed the first full face transplant in 2012 and is currently editing a textbook on Facial Trauma. He gave an inspiring lecture entitled "Craniofacial Surgery: Can we survive the future?" Many thanks to KLS-Martin for sponsoring his visit and lecture.



Life is tough... from left to right, Drs. Jessica Ching, John Phillips, Oleh Antonyshyn, Karen Wong, Chris Forrest, Jessica Roeder, Amir Dorofshar, Christian Petropolis and Jeff Fialkov





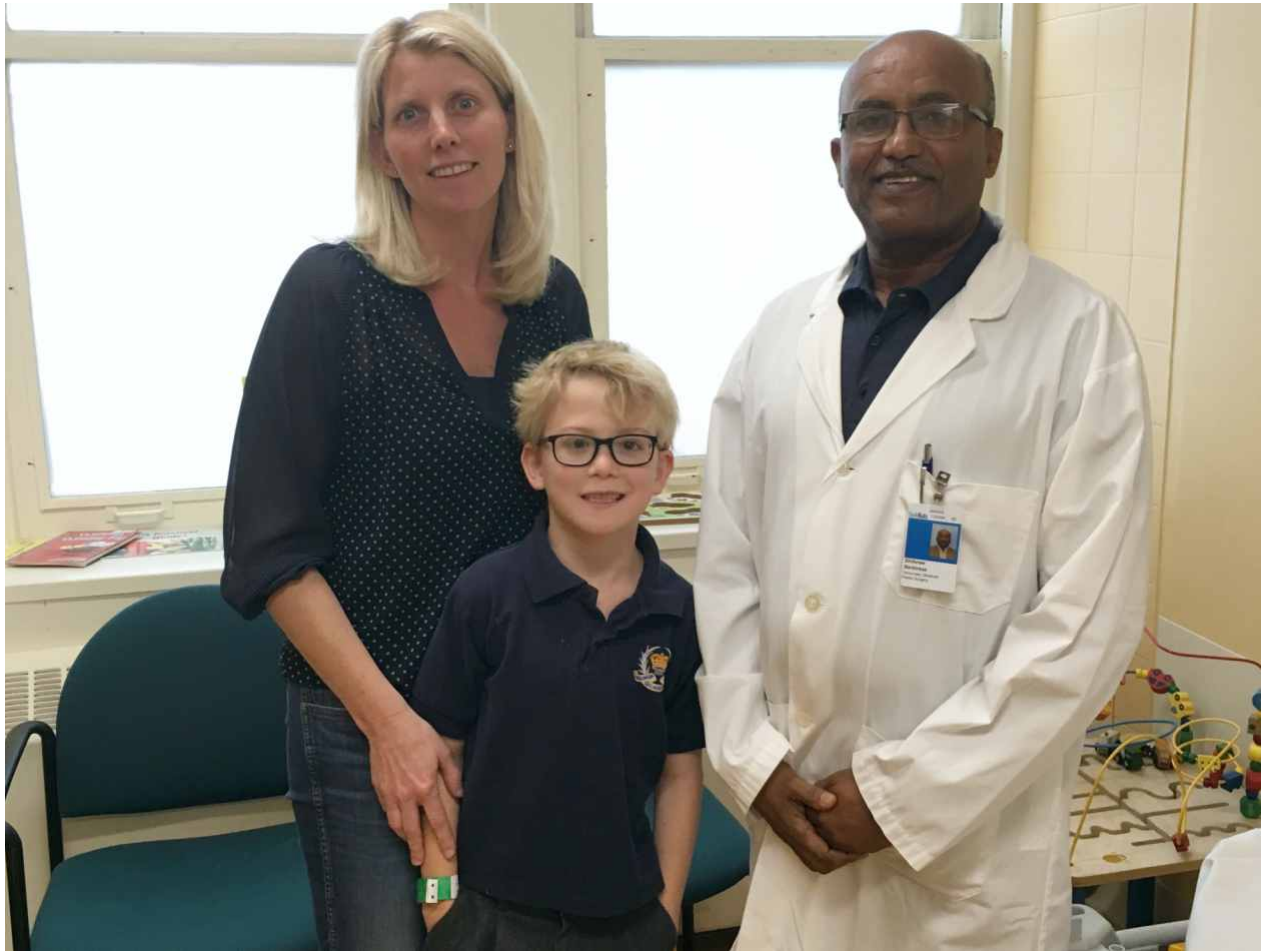
Professors K. Ming Chan and Tessa Gordon

The staff of the Hospital for Sick Children were treated to a terrific weekly rounds on May 25th, 2016 with visiting **K. Ming Chan**, MD, FRCPC, Division of Plastic and Reconstructive Surgery, University of Alberta who gave a remarkable lecture on the benefits of electrical nerve stimulation following nerve repair (one of his students won the best research paper at the CSPA presenting on this research) entitled “Post-surgical electrical stimulation to enhance peripheral nerve stimulation: From bench to bedside”. Ming has collaborated extensively with Dr. Tessa Gordon, senior scientist at the Hospital for Sick Children before she relocated to work with Dr. Greg Borschel.



From left to right: Laura Lewis-Watts (Transforming Faces Worldwide), Hirut Menjistu, Dr. David Fisher, Dietician Veronica Longos, Dr. Karen Wong, Social Worker Farah Sheikh and Dr. Shiferaw Dengu

In January 2014, members of the division of Plastic and Reconstructive Surgery at the Hospital for Sick Children did a site visit to Yekatit 12 Hospital in Addis Ababa, Ethiopia to work with the cleft team there. This May, it was our turn to host and we were delighted to have **Dr. Shiferaw Dengu**, Chief of Orthodontics and **Ms. Hirut Menjistu**, Social Worker and Speech/Language Pathologist from Yekatit 12 Hospital visit our hospital for 2 weeks in May. The visit was sponsored in part by Transforming Faces Worldwide and also through the Will Guilfoyle Fund at the Hospital for Sick Children. This fund was established by Cheryl Pirie and Andrew Guilfoyle, parents of Will, a patient of mine with a special interest in global outreach. During their two-week stay, both Shiferaw and Hirut got to see firsthand how the SickKids cleft team manages and treats their cleft patients in addition to a trip to Niagara Falls.



Will's Mom and creator of the Will Guilfoyle Fund, Cheryl Pirie, Will himself and Dr. Shiferaw Dengu





The prodigal son returns! Almost 10 years to the day following completion of his fellowships in Pediatric Plastic Surgery and Craniomaxillofacial surgery at the Hospital for Sick Children, **Dr. David Chong** was welcomed back with open arms to his alma mater on March 9th, 2016 where he delivered an insightful lecture entitled "Things I have learned since leaving SickKids". David is currently on staff at the Royal Children's Hospital in Melbourne, Australia and a very strong supporter of global outreach surgery. He has travelled the globe performing cleft surgery with Operation Smile and in his spare time, creates the most engaging videos detailing his experiences.



Congratulations to all our residents who put on a spectacular display of high quality research in the 2016 Hoyle Campbell Tau Omicron Annual Resident Research Day and for presenting an outstanding level of research that rivals the quality of any international presentation.

This day celebrates the best and brightest our division has to offer and I would like to emphasize that the future looks remarkably bright from my point of view. It is a huge amount of work for our residents to coordinate and our division is exceptionally proud of their efforts. Special shout-outs to the prize-winners and their supervisors as listed below.

Mentor Canada, Johnson and Johnson Medical Companies Prize for Best Clinical Paper Award, 2016 was awarded to:



Mentor's Kevin Simmons with Drs. Katie Armstrong (PGY-3) and Greg Borschel

Dr. Katie Armstrong

TITLE: The Effect of Mobile App Follow-up Care on the Number of In-person Visits Following Ambulatory Surgery: A Randomized Control Trial and Associated Cost-Effectiveness Analysis

AUTHORS: Kathleen Armstrong, Peter Coyte, Mitchell Brown, Brett Beber, John Semple

SUPERVISOR: Dr. John Semple



Dr. Kathryn Isaac (PGY-5) and Mentor's Kevin Simmons

Dr. Kathryn Isaac

TITLE: Constructing Skin Graft Seams in Burn Patients: A Prospective Randomized Double Blinded Study

AUTHORS: K. Isaac, N. Umraw, R. Cartotto

SUPERVISOR: Dr. R. Cartotto



Drs. Joseph Catapano (SSTP) and Greg Borschel
with Allergan's George Saltzberg

Allergan Medical Canada Prize for Best
Basic Science Award 2016 was
awarded to:

Dr. Joseph Catapano

TITLE: Corneal Neurotization:
Developing An Animal Model To
Investigate A Novel Treatment For
Neurotrophic Keratitis

AUTHORS: Joseph Catapano, Asim Ali,
and Gregory H. Borschel

SUPERVISOR: Dr. Gregory H. Borschel



Drs. Dale Podolsky (SSTP) and Greg Borschel

Best Basic Science Award, Division of
Plastic and Reconstructive Surgery,
University of Toronto 2016 was
awarded to:

Dr. Dale Podolsky

TITLE: Development of a Robotic
Approach to Cleft Palate Repair

AUTHORS: Dale J Podolsky, David M
Fisher, Karen W Wong, Thomas Looi,
James M Drake, Christopher R Forrest

SUPERVISOR: Dr. Christopher R Forrest
& Dr. James M Drake



Drs. Ryan Austin (PGY-5) and Greg Borschel

Best Clinical Paper Award, Division of
Plastic and Reconstructive Surgery,
University of Toronto 2016 was
awarded to:

Dr. Ryan Austin

TITLE: Avoidable Transportations: A 7
Year Review of Transfers to a Regional
Burn Unit

AUTHORS: Ryan Austin, Sofie
Schlagintweit, Marc Jeschke, Shahriar
Shahrokhi

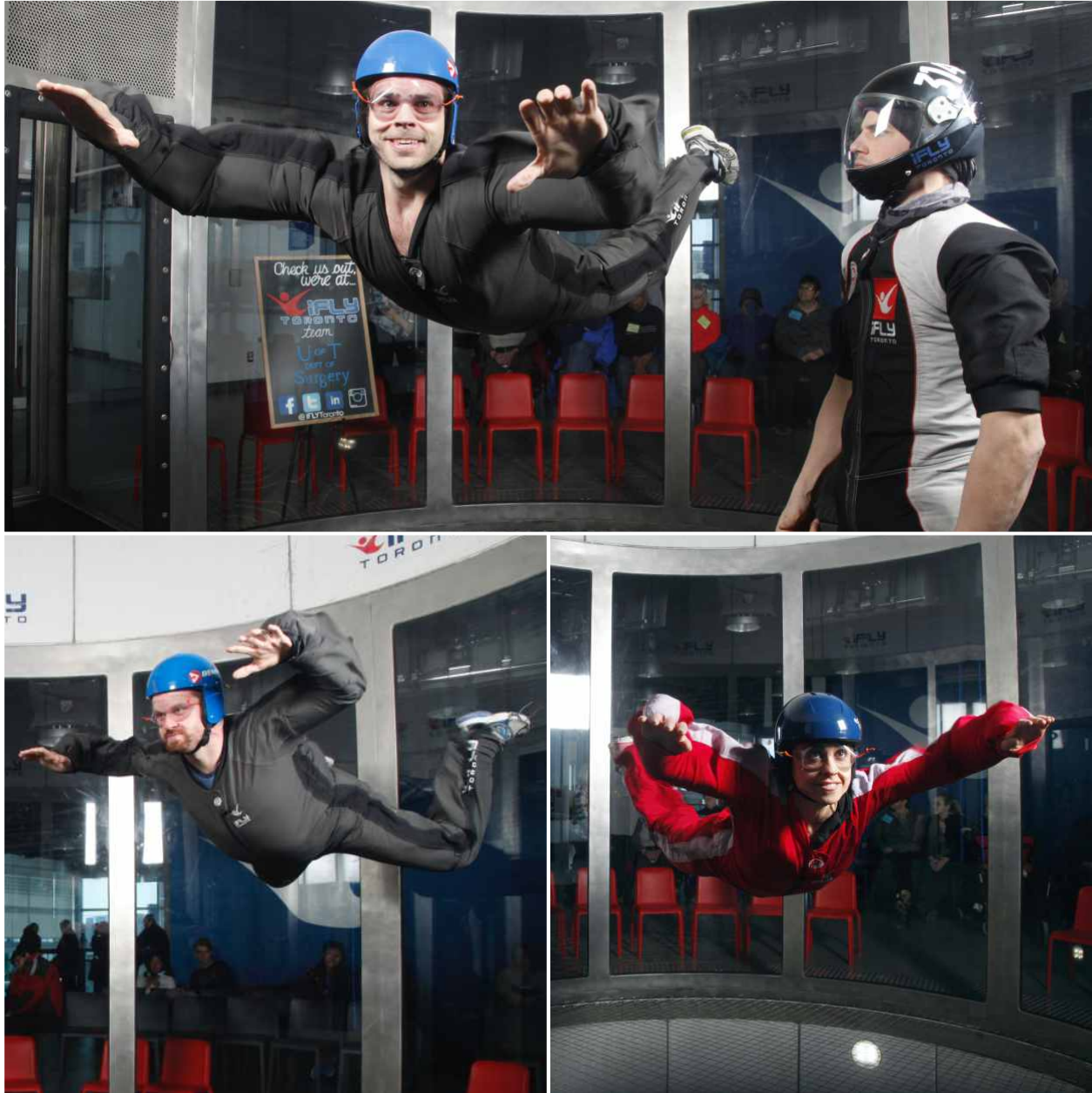
SUPERVISOR: Dr. Shahriar Shahrokhi



Residents Joseph Catapano and Mike Hendry presenting Dr. Burget with a token of his visit (at least at the time of his visit, the Leafs were hopefuls to make the play-offs!)

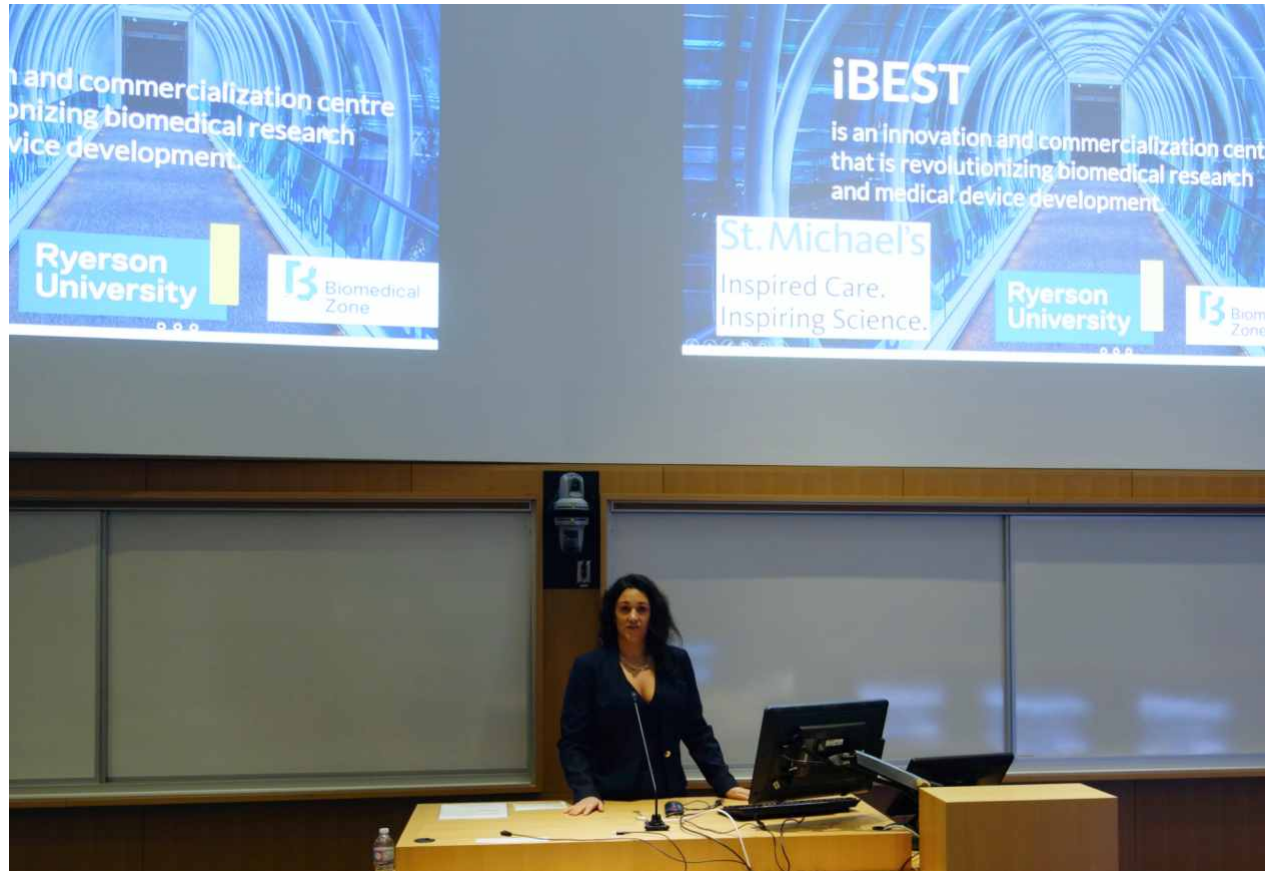


The Tau Omicron fund was established by CSPS founding member and Toronto Plastic Surgeon, **Dr. Hoyle Campbell** and allows the division the opportunity to invite a visiting professor to participate in divisional activities over a 2-day period. This year, **Dr. Gary Burget**, Clinical Associate Professor, University of Chicago was the Hoyle Campbell Visiting Professor. Dr. Burget is regarded for his “sub-unit” approach to nasal reconstruction and very generously donated copies of his most recent book “Aesthetic reconstruction of the child’s nose” to all of the residents. He provided some interesting insights into nasal reconstruction during his lecture.



The “fun” portion of the visit was spent at the iFly indoor parachute jumping facility – fortunately, no injuries were incurred during the event. Funny how everyone looks the same when falling at terminal velocity...

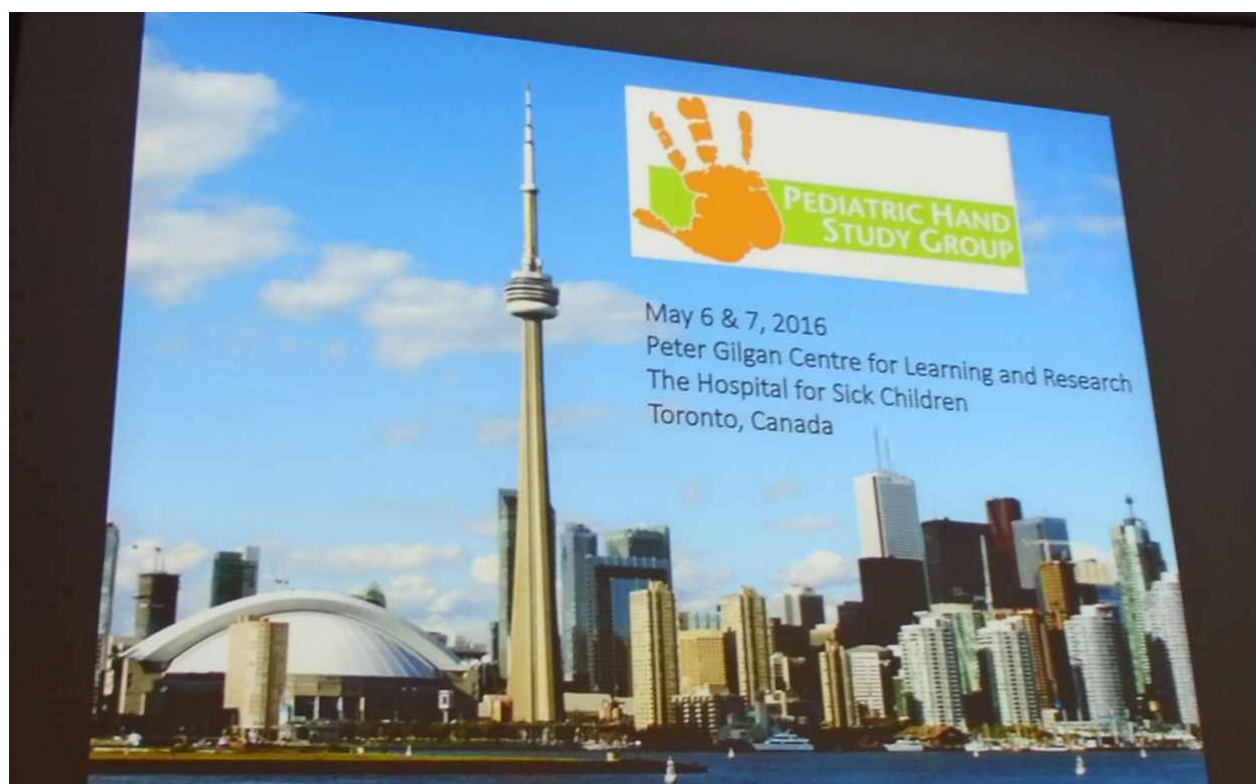
Thanks also to recent recruit **Dr. Karen Cross** (St. Michael's Hospital) who gave a wonderful talk on her successes in developing her passions in research "The power of living your dreams: The vision of a junior scientist".



We are particularly grateful to this year's sponsors for their support and attendance at the event: **Allergan** (George Saltzberg, Mary Jo McCarthy, Melissa Kang and Carole Chan), **Mentor** (Kevin Simmons, Louise O'Donnell, Kim Usitalo-Bowden), **Synthes CMF** (Wade Bekar, Julieanne Darby, John Epping), **Galderma** (Kim Routledge, John Daniel), **Medtronic** (Connor O'Shea) and **Acelity** (Carol Shelby-Reed, Lesley McMath, Nancy Prete). Finally thanks to Division Research Director, **Dr. Greg Borschel** for being responsible for the organization of the event.

Our division has a reputation of being a centre of excellence in many areas and there is no better place to showcase the talents of Toronto than the CME activities that we host every year. While we are ready to acknowledge the remarkable faculty we have in the division, the highlight of the CME work is to attract the best and brightest around the world so that we can learn from them.

Pediatric Hand Study Group Meeting



The Pediatric Hand Study Group held its annual meeting at the Hospital for Sick Children on May 6th and 7th, 2016. This is a unique interdisciplinary group that includes orthopedic surgeons, therapists and plastic surgeons with a dedicated focus on the upper extremity and began its heritage in San Francisco in 1995 through the Shriner's hospital system in the US. This is the first time in its history that it has been held outside the US. Congratulations to meeting organizers and local hosts Dr. Kristen Davidge, Dr. Greg Borschel, Emily Ho OT and Jocelyn Copeland PT for putting together a stellar program that included a remarkable and innovative range of topics extending from biomechanics and kinematics of the elbow to epidemiologic correlations of fused digits and cancer rates. Over 80 attendees were enlightened by a pre-dinner art tour highlighting the Group of Seven exhibition at the University Club.



Orthopedic surgeon Dr. Sevan Hopyan, Dr. Kristen Davidge, Emily Ho, Dr. Greg Borschel, Jocelyn Copeland and Dr. Howard Clarke



Course organizers Dr. Kristen Davidge and Emily Ho going over last minute program changes



Course organizers Dr. Greg Borschel, Emily Ho, OT, Dr. Kristen Davidge and Jocelyn Copeland, PT



Drs. Forrest and Zuker with Professor Fu-Chan Wei

Lindsay-Thomson Symposium in Pediatric Plastic Surgery 2016

Over the years, this event was designed to showcase what is going on in the world of Pediatric Plastic and Reconstructive Surgery at the Hospital for Sick Children and has attracted a group of great lecturers including **Dr. Bruce Williams** (McGill), **Dr. Richard Hopper** (Seattle), **Mr. Bryan Summerlad** (London), **Dr. John Mulliken** (Boston) and **Dr. Ken Wilson** (Halifax) to name a few. As highlighted on page 94, this year we did something special to commemorate the career of Dr. Ron Zuker. We were fortunate to have **Professor Fu-Chan Wei** from Chang Gung Memorial Hospital in Taipei, Taiwan to give the annual Vale Lecture that is an integral component of the symposium. We also were able to attract former fellows and residents of Ron's from all hemispheres to participate!

NEW LOCATION! OMNI KING EDWARD HOTEL | TORONTO, CANADA

46th ANNUAL APRIL 15-16, 2016 AESTHETIC PLASTIC SURGERY SYMPOSIUM



The 46th Annual Aesthetic Plastic Surgery Symposium was held on April 15-16, 2016. Congratulations to Course Director and Lecturer Dr. Jamil Ahmad and Course Co-Chairs **Drs. Tom Bell** and **Frank Lista**. This is the 46th year for this event which is unparalleled with the exception perhaps with the Baker Gordon Symposium in Miami. The event was originally the brain-child of Dr. W.R.N. Lindsay who had subsequent support from Dr. Leith Douglas (also known as the Maple Leaf Doctor) for many years. In 1985 Dr. Wally Peters took over the reins and managed to run a highly successful meeting for many years. It was a wonderful opportunity to see Wally attend this meeting. This year the invited faculty included **Dr. M. Bradley Calobrace**, from Louisville Kentucky, as the University Aesthetic Lecturer; **Dr. Barry E. DiBernardo**, from Montclair, New Jersey as the University of Toronto Visiting Professor; **Dr. David A. Hidalgo** from Manhattan, New York as the Walter J. Peters Lecturer; **Dr. Glenn W. Jelks** as the W.R.N. Lindsay Lecturer; and **Dr. Akin Yucel** from Istanbul, Turkey. Over 240 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. This continues to be a remarkable CME event and congratulations to Jamil, Tom, and Frank for their continued dedication.



Drs. Frank Lista, Wally Peters, Tom Bell, Chris Forrest and Jamil Ahmad

16th ANNUAL APRIL 14, 2016 TORONTO BREAST SURGERY SYMPOSIUM

NEW LOCATION! OMNI KING EDWARD HOTEL | TORONTO, CANADA



The 16th Annual Toronto Breast Service Symposium was held on April 14, 2016 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 190 people were registered for this event which included visiting guests **Dr. Jim Namnoum** from Atlanta, Georgia as the J. Michael Drever lecturer as well as **Dr. Ed Buchel** from Winnipeg and **Dr. Brad Calobrace** from Louisville, Kentucky. The meeting was a great success and congratulations to Mitch, Brett, and Kyle for continued success in the future.

Manktelow Day and the Hand and Upper Extremity Update

Manktelow Day and the Hand and Upper Extremity Update were held on Oct 16 and 17, 2015. This was the first year these two events were combined into a two-day offering. The primary topics covered included carpal bone fractures, Dupuytren's Disease, and distal radius fractures. The meeting was successful with 92 attendees at both days representing surgeons and therapists from as far away as Winnipeg, Ottawa, and Thunder Bay. Our faculty included members of the Plastics and Orthopaedics Divisions and Hand Therapists. Our guest speaker this year was **Dr. Amit Gupta** from Louisville KY, who gave the "Manktelow Lecture" on scaphoid fractures. Congratulations to **Dr. Steve McCabe** for organizing this event.



Dr. Steve McCabe and Amit Gupta



Faculty Terry Axelrod, Brent Graham, Michael Wendt, Ralph Manktelow, Paul Binhammer, Amit Gupta, Jeremy Prakash and Steve McCabe



Dr. Ralph Manktelow and Dr. Amit Gupta



The first Residents Retreat was held on Friday June 24th, 2016 at the University Club. The purpose of the retreat was to encourage communication and collaboration between all plastic surgery residents regardless of residency year by forming closer bonds and shared experiences through team-building exercises and activities, foster mentorship amongst residents, provide peer to peer support and facilitate translation of knowledge between residency years, all in the absence of staff presence and interference. Thanks to Drs. George Christakis, Jessica Ching and Roberto Tutino for being guest lecturers.

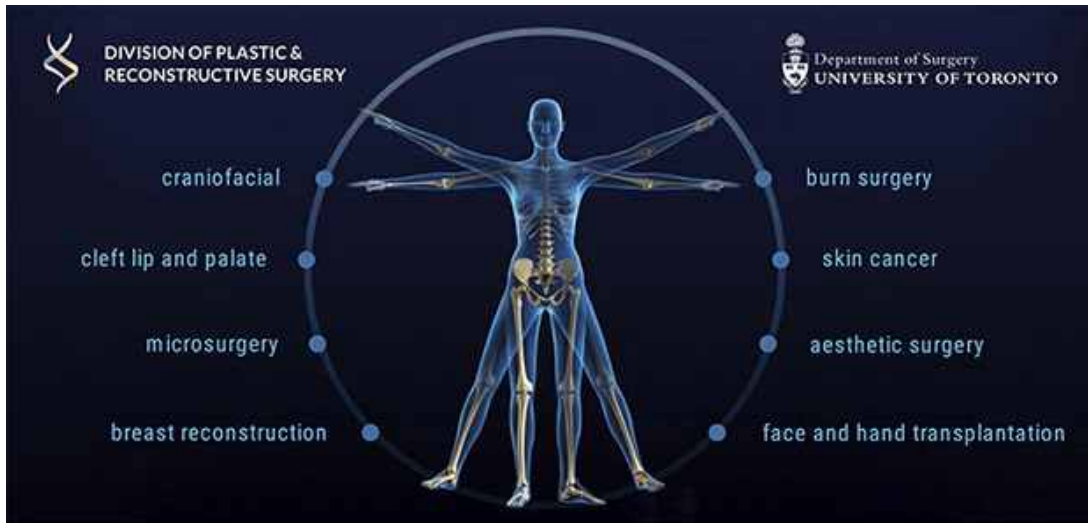




Kings and Queens of the Escape Room at Casa Loma



An uncoordinated wave – what would you expect from a bunch of surgeons...



Is it really like Nip Tuck?

Come to our Career Night in November and find out

WHAT

The Division of Plastic and Reconstructive Surgery
Career Night

WHEN

Wednesday, November 25th, 2015 at 6:00 p.m.

WHERE

Peter Gilgan Centre for Research and Learning Tower
686 Bay Street, 2nd Floor, Auditorium, Toronto

Yes, I will attend

RSVP by November 6th, 2015





Members of the division of Plastic & Reconstructive Surgery came out in full force on November 25th to host the first Medical Student Career Night at the Peter Gilgan Research and Learning Tower (Gilgan's Island) at the Hospital for Sick Children. The concept behind this initiative came about due to the lack of exposure medical students have to our specialty so if we can't bring them to the mountain, the mountain will come to them. Over 110 students from mainly first and second year listened to a series of brief lectures highlighting various aspects of our specialty with a backdrop of pizza and beer. Check out the blog on our website. Many thanks to **Dr. Mitch Brown** (Training Program), **Dr. Oleh Antonyshyn** (Adult Craniofacial Surgery), **Dr. Michael Weinberg** (Community Plastic Surgery), **Dr. Alan Rogers** (Burns), **Dr. Howard Clarke** (Pediatric Plastic Surgery), **Dr. Paul Binhammer** (Hand and Microsurgery), **Dr. Jamil Ahmad** (Aesthetic Surgery), **Dr. Melinda Musgrave** (Breast Surgery), **Dr. Dale Podolsky** (Research and SSP Program) and **Dr. Kathryn Isaac** (Life as a Plastic Surgery Resident).

2015 Rainhard Brewery





2016 Annual BBQ



Thai Cooking Class



Escape Night on March 1, 2016 at Casa Loma



CIBC Run for the Cure



Zukerfest 2015



HOSPITAL FOR SICK CHILDREN

HOSPITAL FOR SICK CHILDREN



Dr. Christopher R. Forrest



This is us at this graduation dinner, minus Dr. Kristen Davidge who had to tend to baby needs...As you can tell from the looks on our faces, it has been a great year! We are 8 full-time clinical faculty and despite his retirement, Ron Zuker is still going strong as the Director of Alumni Relations for the division and managing the international work at the Hospital for Sick Children.



Christopher R. Forrest and Joel Fish

Speaking of Ron...

In order to commemorate the event and recognize the attributes that best describe Ron, the division created the **Ronald M. Zuker Award**. This award is designed to recognize any member of the division including faculty, fellow or resident who demonstrates the values of collaboration, surgical innovation, and a healthy disregard for the status quo in an effort to improve and push the envelope. The first Ronald M. Zuker award was given to **Dr. Joel Fish** (SickKids) for his transformative work in Pediatric Burn Care. Since joining the staff at SickKids in 2009, Joel has done a magnificent job of changing the way that pediatric burns were traditionally managed and resulted in ABA certification as the first accredited Pediatric Burn Program in Canada.

HOSPITAL FOR SICK CHILDREN



Drs. Chris Forrest and Ryan Austin

2016 Hugh G. Thomson Award

This year's Hugh G. Thomson Award was given to graduating resident **Dr. Ryan Austin**. To commemorate Dr. Thomson's legacy, the Thomson family and the Division of Plastic and Reconstructive Surgery at the Hospital for Sick Children have established an award in his name to be given to the trainee in Plastic and Reconstructive Surgery who best emulates his values of collegiality, honesty, generosity, mentorship and humanitarianism. Ryan is a well-deserving recipient of this award and Dr. T would have approved!



From left to right: Christopher R. Forrest, Jana Dengler, Ali Ghanem, H  l  ne Retrouvey, Natalia Ziolkowski, Emily Ho, Pundrique Sharma, Jessica Ching, Dale Podolsky and Joseph Catapano

Lindsay Research Competition 2016

W. K. Lindsay was the Professor and Chair of the Division of Plastic and Reconstructive Surgery for over 2 decades and left a remarkable legacy through his vested interest in the importance of research in surgery. As such, the members of the division created an award in his name to support a yearly competition for the best project in the arena of pediatric Plastic Surgery. This year's competition involved **Drs. Ali Ghanem, H  l  ne Retrouvey, Natalia Ziolkowski, Jana Dengler, Joseph Catapano, Pundrique Sharma, Dale Podolsky and Jessica Ching** who gave a high-quality series of presentations at the Lindsay Research Competition on Wednesday, June 22nd, 2016. The judges were impressed by all of the presentations in terms of quality, content and presentation. Congratulations to **Dr. Joseph Catapano** for his work "Corneal neurotization: Investigating a surgical solution for neurotrophic keratitis" (Supervisor: Dr. Greg Borschel). Great effort, Joseph! Dr. Lindsay would have been most proud of the accomplishments of the group and to see that surgical research is alive and thriving at SickKids. Extra-special thanks to Emily Ho, OT, our divisional research coordinator for organizing the event.

HOSPITAL FOR SICK CHILDREN



Outgoing CSPA Prez Dr. Howard M. Clarke

And speaking of Howard...

Congratulations to **Dr. Howard Clarke** for a highly successful year as the President of the Canadian Society of Plastic Surgeons culminating in the 70th Annual Meeting in Ottawa in June. During his tenure, he dealt with the ALCL breast implant issue, developed a new logo for the society and was instrumental in forming ICOPLAST, the new organization of global plastic surgery societies, in addition to inviting one of the more entertaining CSPA Guest Lecturers in recent years.



Dr. Mitch Brown receiving the President's Medal from Dr. Howard Clarke



National Delegates from member societies meet in Punta del Este, Uruguay on March 9, 2016 to formally launch ICOPLAST.

And...

In January 2014, along with a great many other national Plastic Surgery societies, the Canadian Society of Plastic Surgeons resigned its membership in the International Confederation of Plastic, Reconstructive and Aesthetic Surgery (IPRAS). Since that time meetings have been held in Chicago, Frankfurt, Bruges and Boston to discuss a new way forward for international plastic surgery and the first steps toward the foundation of a new international organization were taken.

During the XXI Ibero-Latin American Congress of Plastic and Reconstructive Surgery in Punte del Este, Uruguay in March 2016 the International Confederation of Plastic Surgery Societies (ICOPLAST) was formally launched by sixty-two founding member societies including the CPCS. Members of ICOPLAST are national societies rather than individual plastic surgeons. The ICOPLAST web site is now live at www.icoplast.org.

The Chair of the newly formed Board of Directors elected in Punte del Este is **Dr. Howard Clarke** (Toronto), CPCS member and President. Congratulations to Howard as he moves from presidency to chairmanship. Those with eagle eyes will notice former SickKids fellow **Dr. Takashi Nakatsuka** just down and on the left of Howard (in the back row).

HOSPITAL FOR SICK CHILDREN

And finally, for those of you seeking promotion, congratulations to Howard for completing his first year as Chair of the Promotions Committee for the Department of Surgery. It is a first that we have a Plastic Surgeon as chair of this important committee and as Howard says “my job is to try and support as many promotions as possible”...

Surgical Simulation

Special thanks and shout-out to former SickKids fellow **Dr. Ali Ghanem** who very generously brought his competency-based course in microsurgery to a number of our residents in the program. Ali has established a significant academic profile in this area of surgical education in the UK and has developed a proficiency course that he generously shared with our division.



Drs. Chris Forrest and Ali Ghanem



Drs. Ron Zuker, Nancy McKee, Ralph Manktelow and PGY-1 Kevin Zuo



Drs. Ali Ghanem, Karen Wong, Ron Zuker, Nancy McKee and Ralph Manktelow

As a highlight, a presentation ceremony was held at Oro restaurant on March 31st, 2016 featuring the 3 pioneers of Toronto microsurgery, **Drs. Nancy McKee, Ron Zuker and Ralph Manktelow** handing out certificates of completion to the successful residents.

HOSPITAL FOR SICK CHILDREN



Class of 2016



Dr. David Fisher and SSTP trainee and PhD candidate **Dr. Dale Podolsky** travelled to Palo Alto California working with alumna **Dr. Homan Cheng** to do a surgical simulation session on cleft palate repair with the Stanford residents early March. The cleft palate simulator is Dale's brainchild and has attracted attention from several programs and has been touted as the next best thing to actually performing a real cleft palate repair.





From left to right, Stanford faculty Dr. H. Peter Lorenz, Dr. David Fisher, Dr. Homan Cheng, Dr. Rohit Khosla and Professor/Division Chief Dr. James Chang

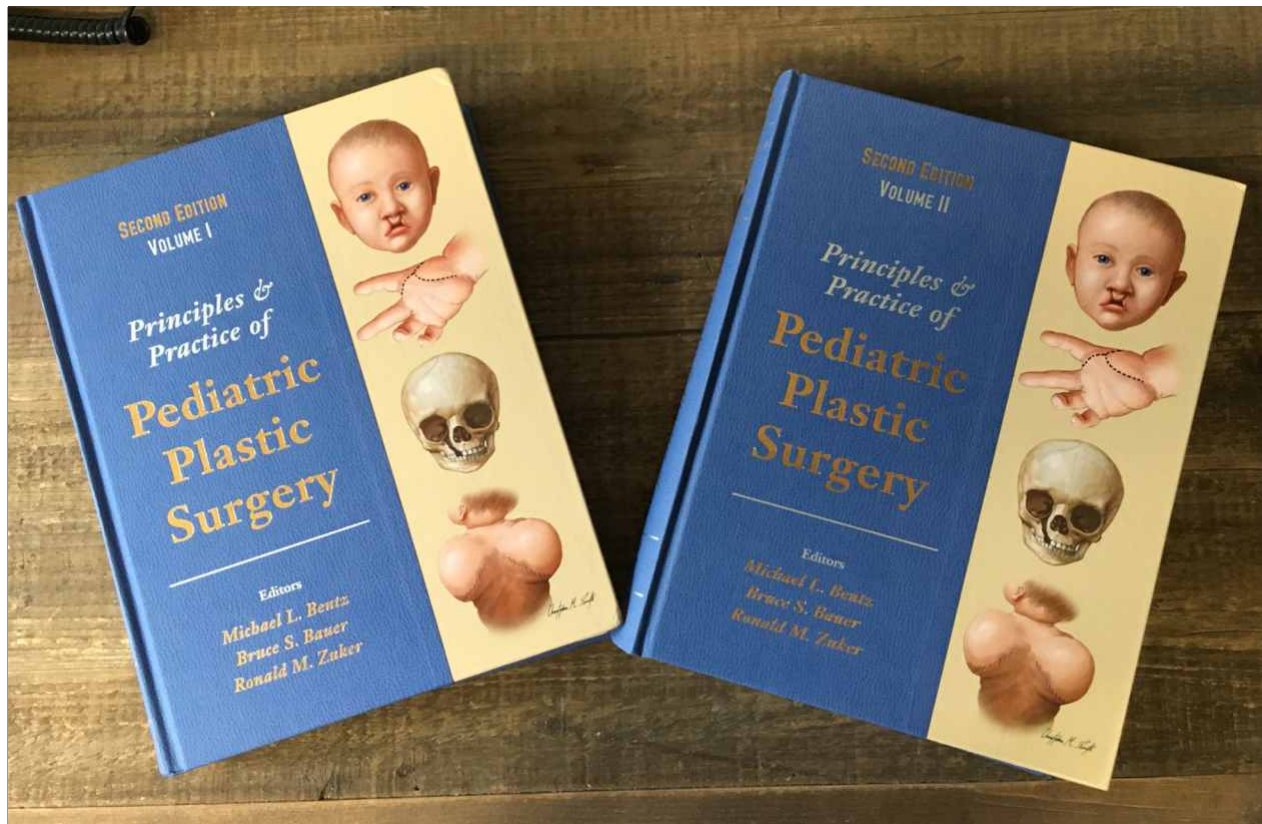


Dr. Dale Podolsky

And speaking of Dale...

Congratulations to SSTP trainee Dr. Dale Podolsky (Supervisors Drs. Christopher Forrest and Jim Drake) for being awarded the prestigious Vanier Scholarship. Dale's PhD thesis is focused on developing a robotic approach to cleft palate repair and he has developed a remarkable surgical simulator to aid in his work. This scholarship is valued at \$50,000 per year for three years during doctoral studies and considers three equally weighted evaluation criteria: academic excellence, research potential, and leadership. This is a highly competitive award and it is a huge honor for a trainee in Plastic and Reconstructive Surgery to be recognized in this way.

The second edition of the bible in Pediatric Plastic Surgery was recently published. The Principles and Practice of Pediatric Plastic Surgery edited by Michael L. Bentz, Bruce S. Bauer and Ronald M. Zuker was released in the early summer and kudos to the editors for producing such a complete and comprehensive 2-volume set. What makes this even more special is that all of the 9 members of the SickKids division have written chapters for this 2-volume text.



HOSPITAL FOR SICK CHILDREN

Fellows Report

The division enjoyed a terrific year with the fellows and always it is a bittersweet time when they have to leave. We would like to thank them for all their hard work and support. The division wishes them all well and look forward to sharing in their future successes.



Dr. Jessica Ching

After a successful year as Pediatric Craniofacial Surgery Fellow, Jessica A. Ching, MD, is now an Assistant Professor in the Division of Plastic and Reconstructive Surgery at the University of Florida College of Medicine in Gainesville, Florida.



Dr. Ali Ghanem

Dr. Ali Ghanem completed his year as Pediatric Plastic Surgery fellow and returned to the UK to resume his post as Clinical Senior Lecturer in Plastic, Reconstructive and Aesthetic Surgery - Barts and the London School of Medicine & Dentistry - Queen Mary University of London.



Dr. Pundrique Sharma

Dr. Pundrique Sharma has been appointed to Alder Hey Children's Hospital in Liverpool where his practice will focus on congenital hand anomalies and upper extremity surgery after a successful fellowship in pediatric plastic surgery.



Dr. Kathrine Neuhaus

Dr. Kathrine Neuhaus was so special that the division couldn't let her go so she decided to stay on for another year (see the Incoming Fellows section).

MICHAEL GARRON HOSPITAL

MICHAEL GARRON HOSPITAL



Dr. Linda Dvali

Greetings from the new Michael Garron Hospital! We have had a wonderful year here at the former Toronto East General Hospital.

Our staff complement remains unchanged without any plans for recruitment at this time. We have enjoyed wonderful residents this past year: **Dr. Jennica Platt, Dr. Jana Dengler** and **Dr. Siba Haykal**. We hope that we can continue to provide an excellent community experience for our plastic surgery residents in training.

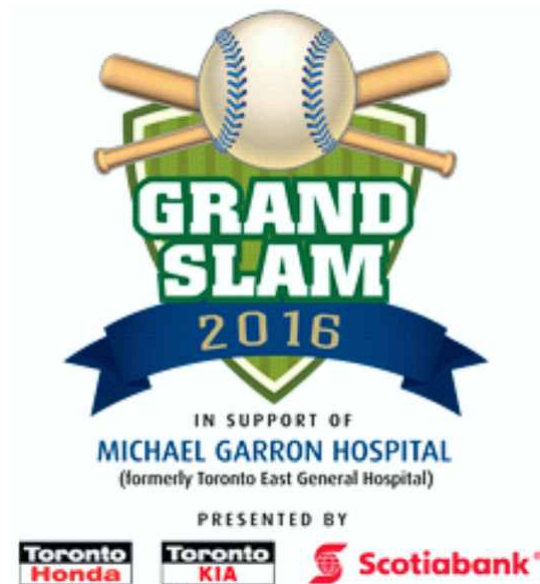


Historic Gift

On December 2, 2015 we made history at the Toronto East General Hospital thanks to a historic gift of \$50 million from Myron and Berna Garron. This is the largest gift ever given to a Canadian community hospital. In honour of the gift, the main hospital site at 825 Coxwell Avenue became the Michael Garron Hospital, a proud member of the Toronto East Health Network.

Laughter is the Best Medicine III

The first Laughter is the Best Medicine comedy gala in April 2012 starred Jerry Seinfeld as our headliner and Will Arnett as the host. Our second gala starred Chris Rock. Our two galas have raised over \$5 Million. Keep your calendars open for the 3rd annual event, set for May 2017!



Grand Slam

On Friday May 13th, 2016 our 2-day Grand Slam event kicked off with the Celebrity Draft Party, and then the players took to the field for the tournament on Saturday, May 14th, 2016. This was an unforgettable two days with opportunities to join Major League Baseball players and alumni, other professional athletes, Hollywood stars, and local celebrities on the field to claim the title of Grand Slam Champion. Proceeds from Grand Slam support the hospital's acclaimed child, adolescent & adult Mental Health Services - renewing the futures of children, teens and adults of all ages who struggle with mental illness.

Teeing Off for Patient Care

We hosted our 22nd Annual Golf Classic on Monday, June 13, 2016 at the prestigious Scarborough Golf and Country Club. This event was a great day of golf to support the enhancement of patient care at Toronto East General Hospital.

ROSS TILLEY BURN CENTRE

ROSS TILLEY BURN CENTRE



Dr. Marc Jeschke

The Ross Tilley Burn Centre has had a successful last 2016 and is now looking forward to the next year.

A reflection of the success of RTBC was that at the Annual Meeting of the American Burn Association RTBC had 18 oral and poster presentations, many of them in award sessions. Therefore the academic productivity is high. In terms of clinical care, our patient admissions are about 300 patients a year, now including burns, patients with acute and complex wounds, and other diseases affecting the skin.

Over the past year we've had **Dr. Anne McKenna** and **Dr. Wesam Almajid** as Clinical Fellows. They finished their fellowship in June 2016. Incoming fellows are **Dr. Hassan Aziz** (Kuwait) and **Dr. Eduardo Gus** (Brazil).



Dr. Hassan Aziz

We have had the residents PGY2 from UofT rotate through the burn centre. In addition to University of Toronto plastic surgery residents, we also train all plastic surgery residents from University of Ottawa, Western University and McGill University in burn care. In total 11 residents rotated through RTBC the past year.

RTBC is organizing and leading the third Canadian Burn Symposium in Vancouver with **Dr. Nicole Gibran** as our honorary Wally Peters lecturer. Further information can be found: <http://www.cpd.utoronto.ca/cdnburnsymposium/>. In the top 8 abstract session RTBC has 6 abstracts in this national meeting, indicating strong productivity and high quality of research.



Dr. Eduardo Gus

RTBC is one of the provincial and national leader in terms of PI and QI participating in various projects in conjunction with the ABA (BQIP) and Canadian Burn Network to improve quality of care and patient satisfaction.

Presentations

The Ross Tilley Burn Centre has had a successful year also in terms of research activities. The staff has published approximately 40 peer-reviewed publications, various book chapters, and editorials. At the annual American Burn Association meeting, the Ross Tilley Burn Centre was represented with 17 presentations and numerous moderations and invited lectures. Furthermore, the Ross Tilley Burn Centre staff also attended various meetings and conferences and invited lectures throughout the year.

RTBC staff also was recognized by being invited to be guest speakers at various prestigious meetings at the ABA, at the Atlantic Society of Plastic Surgeons, at the Canadian Burn Symposium, at the Shock Society, at the American College of Surgeons, as well as numerous other honorary lectures.

Research

In terms of our research effort, the Ross Tilley Burn Centre is on the forefront to initiate quality and performance improvement studies in burns. These initiatives will answer the question which treatments are effective, where we can improve from a physician aspect, nursing aspect and also from a patient's perspective and patient caregiver perspective. These initiatives are very unique in allowing us to obtain insights where we can improve furthermore our care.

The excellence of the ongoing research at RTBC is reflected in grant support. **Dr. Jeschke** was awarded a competitive renewal of his National Institute of Health grant, to study the effect of insulin and cellular and molecular changes after burn. He was also awarded a grant from AFP to study 3D stem cell printing of skin. He also obtained major donations from Toronto Hydro for this research endeavor. **Dr. Cartotto** is the Co-PI of a grant funded by the US Military and the American Burn Association to determine resuscitation strategies and the use of albumin. Notably are furthermore the successes of the residents that have been rotating through the Burn Centre and presenting the work from the Ross Tilley Burn Centre with numerous awards at various prestigious meetings.

The major research endeavors are: a prospective randomized clinical trial funded by the CIHR to study catecholamine blockade and its effect on cell stress, as well as inflammatory and metabolic responses (PI Jeschke). A prospective randomized controlled trial to study safety and efficacy of Metformin in severely burned patients, funded by National Institute of Health (PI Jeschke). We are studying the cellular molecular response after burn and the effect of insulin and glucose control, funded by the NIH (PI Jeschke). We are studying

ROSS TILLEY BURN CENTRE

resuscitation strategies funded by the American Burn Association and US Military (Co-PI Cartotto). We also are being supported by the AFP and via major donations from Toronto Hydro to study 3D stem cell printing (PI Jeschke). RTBC is a major site for the world-wide trial of Glutamine, Re-energize (PI Heyland). Therefore, RTBC prospective research can be summarized as translational research with a major focus on the implementation of novel therapies.

In terms of education, our education commitment remains high. We train the majority of plastic surgical residents in the Province of Ontario. We also have residents requesting rotations from outside Ontario and we have a growing number of observer ships. We currently train 2 fellows per annum. We participate in outreach, as well as prevention and education.

One of the main aspects of our activities is that RTBC is the main organizer and coordinator of the Canadian Burn Symposium which is in Vancouver this year. This meeting is focusing on Canadian burn surgery and burn care, and the special need for Canadian burn care. This meeting has grown its influence across the border, as we now have US attendance, as well as international attendance from various countries around the world, increasing registrations and participations to over 200 attendees at every meeting. This meeting is also in conjunction with the Canadian Burn Network, an initiative run to connect the various burn centres throughout Canada as well as to synchronize and focus the research endeavors as multidisciplinary trials.

Outreach

A newer focus of the Ross Tilley Burn Centre is to translate knowledge world-wide. In addition to training international Fellows, the group also now contributes to a number of global initiatives to improve the burn care. For example, as the expertise of this group has been recognized, the Ross Tilley Burn Centre staff has been invited to contribute to a module of trauma course at Master level, offered by Queen Mary University in London. In addition, we are invited to participate in various approaches and modules including South Africa and Australia. We also had a grant funding from the Province of Ontario to look at knowledge translation in terms of cellular and therapeutic approaches, with using stem cells and skin derivatives in Cambodia. All of these indicate now the translation of our knowledge into foreign countries and strengthen our interaction.

ST. JOSEPH'S HEALTH CENTRE

ST. JOSEPH'S HEALTH CENTRE



Dr. Craig Fielding

St Joseph's Health Centre is a full participant in the Division of Plastic Surgery and provides exposure and training to undergraduate medical students, and both junior and senior residents throughout the year.

The emphasis at our site is on community-based Plastic Surgery with a broad range of exposure in the emergency room, out-patient clinic and operating rooms including breast surgery, aesthetic surgery, hand, skin pathology, and ear reconstruction.

Dr. Craig Fielding is the Division Head at St Joseph's, and sits on the Post-graduate Medical Education Internal Review Committee. He focuses on the correction of Gynecomastia and is in the process of a ten-year review of his results, as well as participating in the development of the Male Chest module of the BodyQ questionnaire. He also runs the Medical Ethics/ Professionalism curriculum for the Plastic Surgery residents at UofT.

Staff Updates

Our staff surgeons all contribute to teaching of the residents, and strive to foster interest in the field of Plastic Surgery among medical students both in and outside of the Health Centre.



Dr. Leila Kasrai

Dr. Leila Kasrai has developed, and continues to refine a single-stage ear reconstruction technique, which is unique in the world. She has presented this technique to many groups, including live patient results, and she is achieving outstanding results with this life-altering procedure.

ST. JOSEPH'S HEALTH CENTRE

**Dr. Kyle Wanzel**

Dr. Kyle Wanzel has had a busy year teaching both at the undergraduate and the specialty training level. He is now the Deputy Director of the Royal College of Physicians and Surgeons of Canada Plastic Surgery Written Examination Committee, and next year will be assuming the leadership of this group. He is starting this year as an Oral Examiner for the specialty certification exams. Dr. Wanzel is the Assistant Program Director for the University of Toronto Division of Plastic Surgery training program and has been heavily involved in the creation of the Boot Camp curriculum for all incoming residents in the Department of Surgery. He continues to participate as faculty in the UofT Breast and Aesthetic Surgery Symposia.

**Dr. Ron Levine**

Dr. Ron Levine continues with his leadership role as Director of Postgraduate Surgical Education for the University of Toronto Faculty of Medicine. In this role, he is involved heavily in resident oversight, as well as the evolution of curriculum and teaching methods for all of the divisions in the Department of Surgery. At the same time, he runs a very busy practice both in and outside of the hospital, with an expertise in breast surgery.

ST. MICHAEL'S HOSPITAL

ST. MICHAEL'S HOSPITAL



Dr. Jim Mahoney

We are extremely pleased to have Dr. Karen Cross join our division as a surgeon scientist in October 2015. She is a dedicated researcher and is creating a brand new approach to the assessment and management of wounds.

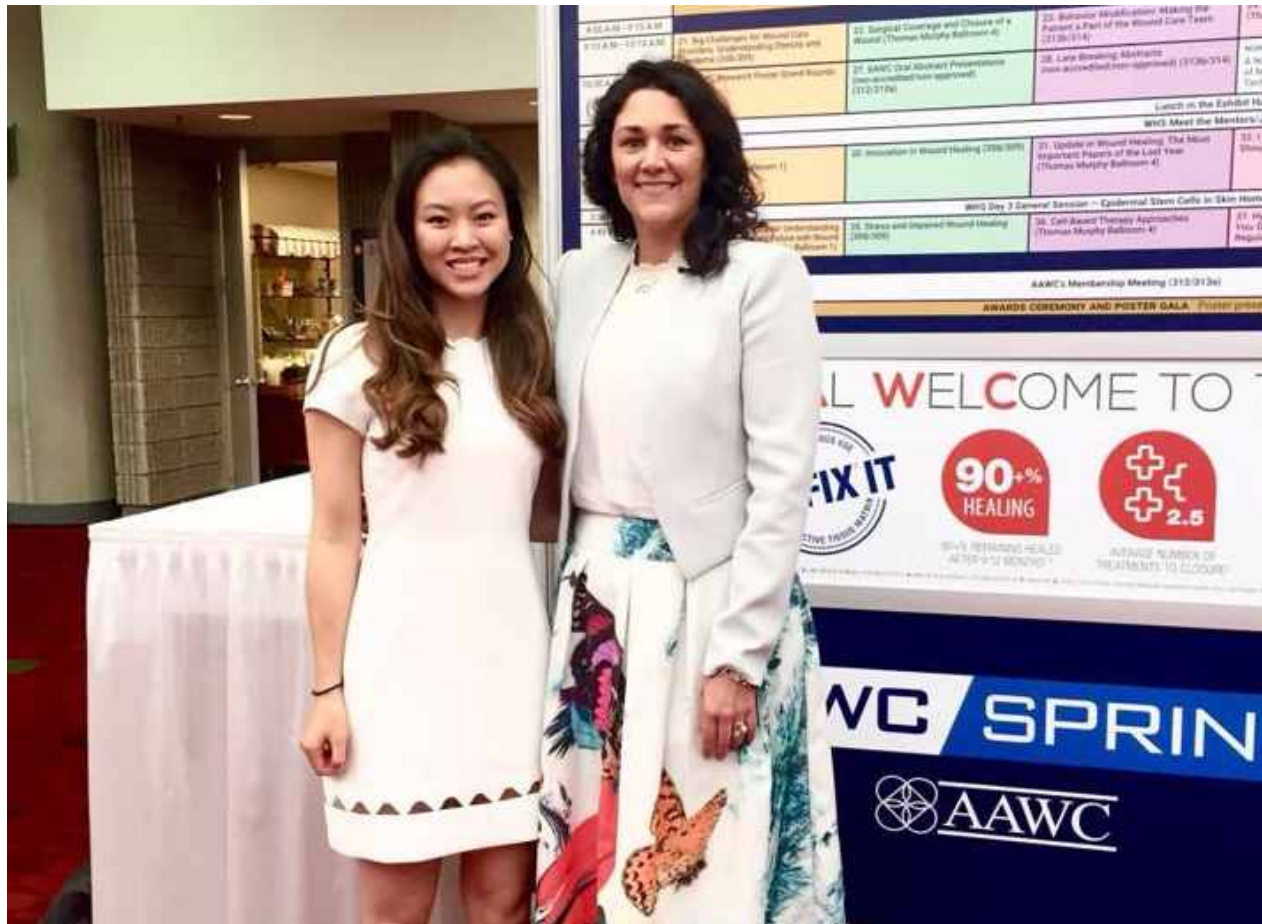
The **CrossLab** opened in Jan 2016 with a visit from Minister Moradi. He visited the CrossLab and had a chance to test the 3 new imaging prototypes that are being developed.

Dr. Cross has facilitated the development of a collaborative group of scientists and clinicians focused on developing screening and diagnostic tools to prevent the devastating consequences of lower extremity amputation in diabetics. The aim is to eventually develop these as patient-operated tools for in-home use as a surveillance tool for limb health.

In the last 6 months, Dr. Cross has secured over 300,000 in grant funding (\$307,500 CDN) in a combination of industry and research grants. Nine abstracts have been presented at international conferences. At the Symposium for Advanced Wound Care, one of the abstracts was accepted as the top 4 late breaking research projects on the "Topical oxygen therapy results in complete wound healing in diabetic foot ulcers". Dr. Cross's group was one of 2 Canadian groups at the SPIE Translational Biophotonics group in Houston, Texas and the only laboratory led by a Surgeon Scientist. The lab has had 2 publications and 1 accepted for publication in the area of biofilms and diabetic foot ulcers. She has filed 2 provisional patents in the last 3 months. There are 3 papers in preparation for submission this month. Dr. Cross's laboratory has 5 clinical trials in progress currently.

The CrossLab and laboratory facilities are uniquely positioned as all of the scientific collaborators are located on the same floor and have shared access in a newly formed partnership, called iBEST, between Ryerson University and St. Michael's Hospital. This brings Ryerson engineering and science expertise with St. Michael's Hospitals strength in Biomedical research and clinical expertise. The facility is located within the St. Michael's Keenan Research Centre for Biomedical Science with over 22,000 square feet of research space. It is directly linked to the hospital which means ease of transition of novel technologies into the clinical realm. In addition, Dr. Cross has not only basic science facilities but has developed a research space within the hospital for clinical trials. This is an ideal setting for testing new technologies, devices and treatments for wounds.

ST. MICHAEL'S HOSPITAL



Janelle Yu MD Candidate, Inspiring the next generation of Plastic Surgeons. Top 4 late breaking abstracts at SAWC, Atlanta, Georgia.

Construction of the new wing is proceeding rapidly. Working in renovation is a challenge. We are very familiar now with code brown.

Dr. Melinda Musgrave won the Master teaching Award for the Fitzgerald Academy. It recognizes the passion, enthusiasm and sustained excellence in the teaching of undergraduate medical students. Dr. Musgrave has a new role in the Department of Surgery. She is the Director of Education Evaluation. We are looking forward to her leadership in recognition of teachers in the Department of Surgery.

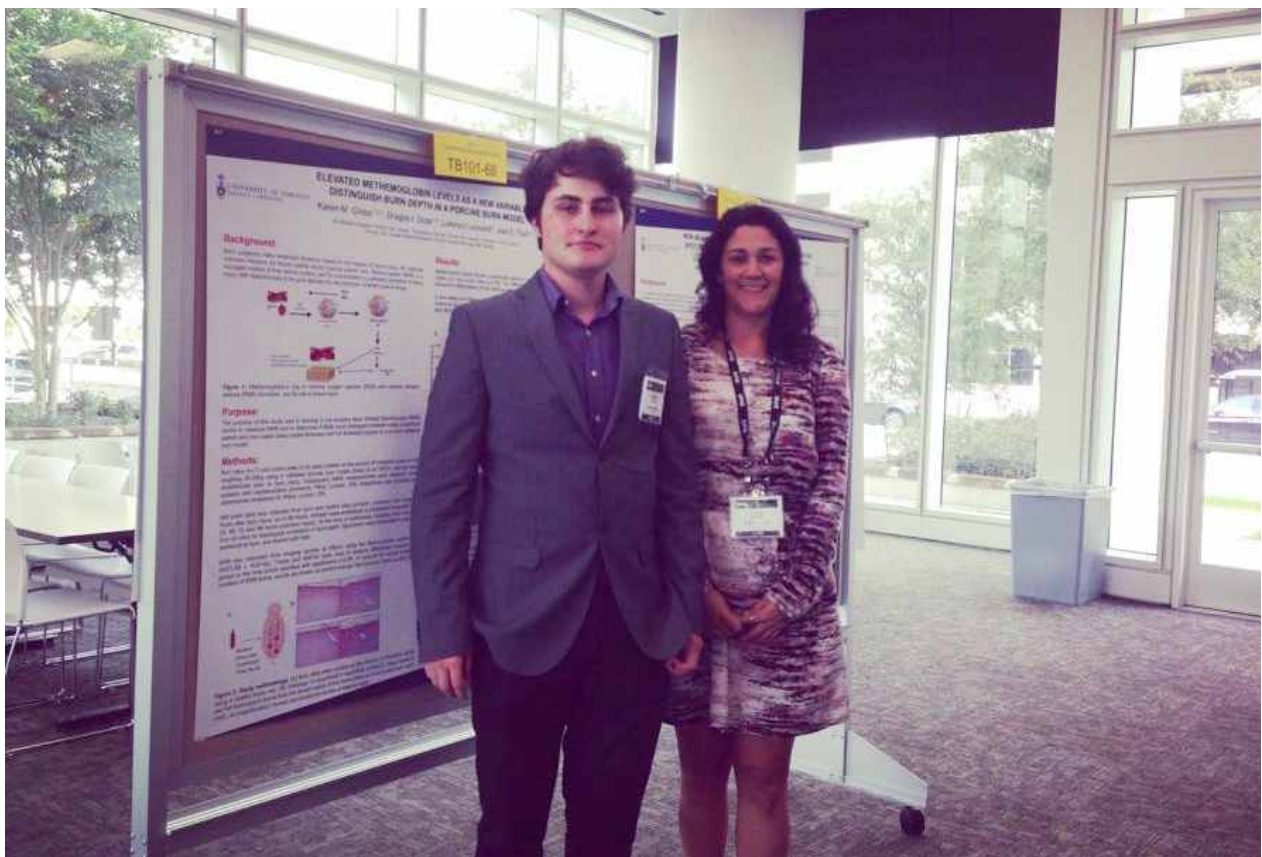
Dr. M. Alrowaili our fellow for the past year has returned to Saudi Arabia on July 1. **Dr. Y. Najimi** from the King Fahd Central Hospital in Saudi Arabia has joined us for the coming year as a clinical fellow. In addition, **Dr. Hana F. Khoee** will be a clinical associate. We wish Mohammad all the best and welcome the new additions to our team.



Drs. Leung and Cross building the next generation of imaging devices for diabetic feet and the evaluation of tissue viability in the lower extremity.

Finally, our clinical team, is the largest wound care group in the country and has the infrastructure to manage larger scale clinical trials.

Professionally, **Dr. Cross** has been appointed the co-chair of Canadian Association of Wound Care Conference in Niagara Falls, Ontario for 2016. She was recently appointed at Ryerson University as an Associate Professor in the Yeates School of Graduate Studies. She also is an Associate Scientist in the Keenan Research Centre for Biomedical Science as part of the iBEST program. She sits on the Diabetic Foot Canada Scientific Advisory Research Board and the Diabetic Foot Journal Editorial board and writes editorials for these publications.



Dragos Duta BSc candidate, Dr. Cross' first student and the future of science. SPIE Biophotonics, Houston, Texas

ST. MICHAEL'S HOSPITAL



Dr. James Mahoney travelled to South Africa in May. Visits to various hospitals including the trauma and burn units at the Chris Hani Baragwanath Hospital were a highlight. Resource concerns were expressed in various settings but the dedication of the health care providers despite the limitations was impressive. Below is photo from the trip, of a warning sign on what appears to be a tranquil river in the background.

SUNNYBROOK HEALTH SCIENCES CENTRE

SUNNYBROOK HEALTH SCIENCES CENTRE



Dr. Paul Binhammer



Dr. Kimberly Sun



Dr. Christian Petropolis

Fellows

Dr. Kimberly Sun has worked tirelessly as the Breast Fellow this past year. She reports that she had a wonderful fellowship year at Sunnybrook. She found the plastic surgery team was amazing to work with, and felt that she learned a lot of valuable clinical and surgical skills. She had the opportunity to participate in the microvascular education simulation lab, and worked towards developing an internal mammary vessel simulation model, which is going to be a great educational tool. She found Toronto to be an exciting city and provided her with lots of adventure and great food this year. She enjoyed it so much she is going to stay in the GTA on a locum.

Dr. Christian Petropolis came from Winnipeg to begin his fellowship in adult craniofacial surgery. His interest in 3D planning and rapid prototyping was fostered and put to good use both in the clinical and research setting. He independently developed a high fidelity 3D orbital fracture model, complete with separate layers (bone, fat, eye, skin, muscle, septum, conjunctiva) for resident and surgeon education. He also participated in the most recent surgical mission to Ukraine with Dr. Antonyshyn in February. He is collaborating on two book chapters with the Sunnybrook craniofacial surgeons. In August he will be joining the faculty at the University of Manitoba Division of Plastic Surgery.

Staff



Dr. Laura Snell

Dr. Laura Snell has had a busy and wonderful year balancing her Sunnybrook practice with her three busy boys. She has been continuing to validate her Touch Surgery DIEP flap education module, and has been working on integrating microsurgery teaching into the Sunnybrook Sim Centre. She is currently working on the development of an IMA model for microsurgery teaching. She is also working on creating a simulation training program for the identification and management of free flap complications.



Dr. Joan Lipa

Dr. Joan Lipa has continued in her role as a Senior Examiner for the American Board of Plastic Surgeons. She has enriched resident training at McMaster University and Western University as Visiting Professor this past academic year. She has started a microsurgical skills training program with Dr. Laura Snell at the Sunnybrook Sim Centre and continues to investigate the role of preoperative imaging for DIEP flap surgery.



SUNNYBROOK HEALTH SCIENCES CENTRE



Dr. Jeff Fialkov

Dr. Jeff Fialkov has continued his innovation work on bone stabilization with Bone Tape. In conjunction with his colleagues he received a patent for their work. They have received a CIHR grant to continue their work. He has been busy working on this project locally and internationally.



Dr. Paul Binhammer

Dr. Paul Binhammer has been the Head of the AO North America Hand Education Committee during the past year. He has travelled to multiple North American cities helping to organize courses. He has been fortunate to have the opportunity to give visiting lectures.



Dr. Oleh Antonyshyn

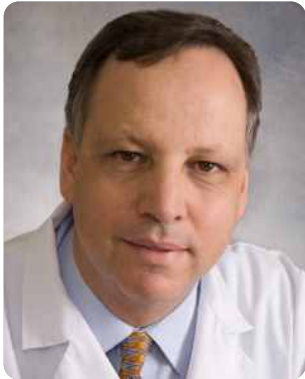
Dr. Antonyshyn has also been busy travelling. He has been a Visiting Professor in Australia, Calgary, Halifax, and Edmonton. He has been to the Ukraine twice in 2015 for surgical missions. He has received \$1.2 million in funding and been given the Award of Merit by the President of Ukraine. He also received the Undergraduate Teaching Award at Sunnybrook.



Dr. Antonyshyn in Ukraine

TRILLIUM HEALTH CENTRE

TRILLIUM HEALTH CENTRE



Dr. Michael Weinberg

This past year has been a busy year for Trillium. We continue to develop our teaching program in association with the Mississauga Academy of Medicine. We now are a full teaching hospital with Plastic Surgery Residents, Family Practice Residents and Clinical Clerks from both the third and the fourth years.

Dr. Weinberg was reappointed as Division Lead Plastic Surgery for a second three year term at Trillium Health Partners. He has been Division Lead at Trillium Health Center since 2000. He continues as Education Lead Plastic Surgery as well. He also continues to be responsible for the CanMeds communicator role for the Plastic Surgery Residents. He is actively involved in the arts and continues to sit on the board at the McMichael Art Gallery as well as chairing the Art Advisory Committee at the McMichael Art Gallery. No resident or medical student leaves our rotation without a fresh and inspiring knowledge of the Group of Seven.



Dr. Frank Lista

Dr. Frank Lista has published several papers in the Aesthetic Surgery realm. He has traveled extensively in his role as ASAPS visiting professor. He continues to be in high demand as a speaker. He also was responsible for a fantastic and well attended University of Toronto Aesthetic Surgery Symposium.



Dr. Roberto Tutino

Dr. Roberto Tutino joined us in 2016. He is well known in Toronto as he did his Plastic Surgery Training at the University of Toronto. He completed a breast surgery fellowship in Melbourne Australia in 2014. He has started to build the reconstructive breast program at Trillium Health Partners, specifically at The Carlos Fidani Regional Cancer Unit. Within 3 months of his start he has surpassed his target for immediate reconstructions for the year. We welcome him and am sure that he will develop a great program, especially since we have the highest volume of breast surgery in Ontario.



Dr. Cory Goldberg

Dr. Cory Goldberg has had a packed year. He is enrolled in an e-MBA program at Cornell and Queens University. He graduates in December of 2016. It's incredible that he maintained a busy practice throughout these studies. He was also the recipient of the Trillium Health Partners, Department of Surgery, Plastic Surgery teaching award. This is hot on the heels of his previous Arnis Freiberg teaching award.



Dr. Joan Lipa

Dr. Joan Lipa has also joined our team this year on a part-time basis. She is well known to all and we are so excited to have her as part of our team. She will join Roberto in developing our breast reconstructive program.

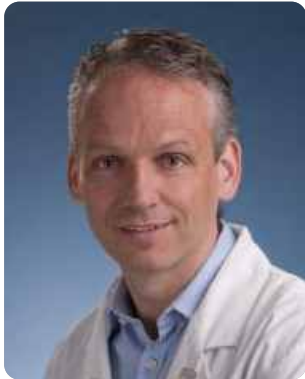


Dr. Morris Rebot

Dr. Morris Rebot has been busy developing out clerkship curriculum and is in high demand from the students and residents. Roberto in developing our breast reconstructive program.

UNIVERSITY HEALTH NETWORK (UHN)
TORONTO GENERAL HOSPITAL

UNIVERSITY HEALTH NETWORK (UHN) – TORONTO GENERAL HOSPITAL



Dr. Stefan Hofer

Recruitment

We have hired a full-time National Breast Reconstruction Consortium Manager Heidi Barnett to support the 5-year CIHR Foundation Scheme Program Grant (2015 – 2020).

Educational and Awareness Events

Drs. Anne O'Neill and **Toni Zhong** were guest speakers at the Annual Breast Reconstruction Awareness (BRA) Day which was held on October 19, 2015 at the Centre for the Arts, St. Michael's College School. The event was co-hosted by Rethink Breast Cancer and the Willow Breast Cancer Support Group.



Dr. Toni Zhong

Appointments, Awards, Promotions

Toni Zhong was awarded with the George Armstrong Peters Prize for 2016 – 2017, Department of Surgery, University of Toronto.

Toni Zhong was awarded the CIHR New Investigator Award for Improving Access to Optimized Postmastectomy Breast Reconstruction through Health Services Research and Clinical Trials for Breast Cancer Survivors. 2015 – 2020: 300,000 CAD

Toni Zhong was invited to join the Women in Microsurgery Working Group of the American Society of Reconstructive Microsurgeons (ASRM).



Dr. Anne O'Neill

National & International Surgical Humanitarian Missions

Members of the UHN Division volunteered for National surgical humanitarian missions in Dryden – Northern Ontario and in the outer regions of Bangladesh. Below is a picture of the international surgical team lead by **Toni Zhong** on board the Emirates Floating Hospital (EFH) in the Char region of Bangladesh.



Centre front: Toni Zhong (Team leader), Centre back right: Dr. Jennifer Klok (UHN Breast Reconstruction Fellow), Dr. Marie Christine Matthieu Gailloud from Switzerland, 2 anesthesiologists (Drs. Inge Haselsteiner and Antje Hube from Germany), an OR nurse from Toronto General Hospital (Sarah Linklater), a 4th year Canadian university student (Sabnam Mahmuda)



Dr. Stefan Hofer ice-fishing following a long day of surgery at the Dryden Regional Health Centre

UNIVERSITY HEALTH NETWORK (UHN) – TORONTO GENERAL HOSPITAL

Research Activities and Funding

The UHN Division of Plastic, Reconstructive & Hand Surgery are involved in an extensive number of clinical and basic science projects. Research projects are run separately by the Plastic & Reconstructive Surgery group from TGH/PMH and by the Hand Program at TWH.

Canadian Institutes of Health Research

Development of a National Quality Improvement Program in Postmastectomy Breast Reconstruction to Optimize Patient-Centred Experience. Canadian Institutes of Health Research (CIHR). Foundation Scheme Live Pilot. PI: Zhong, Toni. Collaborator(s): Dr. N. Baxter Dr. S. Hofer Dr. J. Jones, Dr. S. Macadam Dr. K. Metcalfe Mr. T. Panzarella, Dr. G. Porter Dr. A. Pusic Dr. A. Roberts, Dr. J. Semple Dr. C. Temple-Oberle Dr. F. Webster, Dr. A. Wei. 860,006 CAD. [Grants] 2015 Jul - 2020 Jun

Establishing donor-specific transplantation tolerance by harnessing DN regulatory T cells. Canadian Institutes of Health Research. Transitional Operating Grant: 2014-2015. PI: Zhang, Li. Collaborator(s): Zhong, Toni, Zuniga-Pflucker, J. 924,035 CAD. [Grants] 2015 Jul - 2020 Jun

Canadian Breast Cancer Foundation (CBCF) – Ontario Region

Pre-consultation Educational Group Intervention to Improve Shared Decision Making for Postmastectomy Breast Reconstruction. Canadian Breast Cancer Foundation (CBCF) - Ontario Region. PI: Zhong, Toni. 352,785 CAD. [Clinical Trials] 2015 Jul - 2018 Jun

Including quality of life in breast cancer funding policy decisions: development of a preference-based measure from the BREAST-Q. Canadian Breast Cancer Foundation (CBCF). Research Project Grant Program. PI: Klassen, Anne. Collaborator(s): Xie, Feng, matrose, stefanjcano, Pullenayegum, Eleanor, Bordeleau, Louise, Klassen, Anne, Pusic, Andrea. 277,872 CAD. [Grants] 2016 Jul - 2018 Jun

Outgoing Fellows

Dr. Marika Kuuskeri and **Dr. Anastassi Halka** successfully completed the Microsurgical Fellowship Program July 2015 - June 2016.

Drs. Tanya DeLyzer and **Jennifer Klok** successfully completed the Breast Reconstruction Surgery Fellowship Program in July 2015 - June 2016.

Dr. Amanda Roberts has successfully completed her 2-year clinical and research fellowship in Breast Surgery with **Dr. Toni Zhong** supervising on her project entitled "Using a Novel Quality Metric Approach to Examine the Healthcare Utilization of Post-Mastectomy Breast Reconstruction: A Population-based Study".

Incoming Fellows: Breast Reconstruction

We would like to take this opportunity to welcome the new Breast Reconstruction Fellows – **Dr. Niall McInerney** and **Anna von Platen** from Stockholm, Sweden (July 2016 - June 30, 2017) and **Dr. Jennica Platt** (January 1, 2017 - December 31, 2017).



Niall McInerney



Anna von Platen



Jennica Platt

UNIVERSITY HEALTH NETWORK (UHN) – TORONTO GENERAL HOSPITAL

Incoming Fellows: Microsurgery

We would also like to welcome the new Microsurgery Fellows **Drs. Aenone Harper** and **Blake Murphy**, Microsurgery Fellowship (July 1, 2016 - June 30, 2017). Blake is returning from a one year fellowship in craniofacial surgery at Nicklaus Children's Hospital in Miami, Florida and looking forward to returning to Toronto to complete a one year fellowship in reconstructive microsurgery at the University Health Network along with Dr. Aenone Harper – Microsurgery Fellow – July 1, 2016 – June 30, 2017.



Blake Murphy



Aenone Harper

Invited Presentations

Members of the Division of Plastic & Reconstructive Surgery continue to publish widely in high impact, peer-reviewed journals and to be frequently invited lecturers and visiting professors internationally, further enhancing our reputation as an innovative and world-class institution for the management of complex microsurgical reconstruction cases.

International Presentations

Division Staff, Residents and Fellows presented at the following International Meetings: The American Society of Breast Surgeons in Dallas, Texas (3); The American Society for Reconstructive Microsurgery meeting in Scottsdale, Arizona (3); The American Society of Plastic Surgeons/ Plastic Surgery Research Council joint annual meeting in New York City, NY (2).

International Invited Lectures and Presentations

Division Staff were invited speakers at the following International Meetings: The European Society of Plastic and Aesthetic Surgery (EURAPS) Meeting in Edinburgh in May 2015; London Breast Meeting in London, UK in September 2015; The British Association of Plastic Reconstructive and Aesthetic Surgeons (BAPRAS) Winter Scientific Meeting in Birmingham, UK in Nov 2015; The MAYO Clinic, Scottsdale, Arizona; and the 4rd International Breast Symposium in Dusseldorf in April 2016.

Publications

During the 2015-2016 academic year, division members have published **18 peer-reviewed papers** (selection listed below), presented **24 scientific papers** and participated in a total of **28 invited lectures**.

Journal Articles 2015-2016

Incidentalomas associated with abdominal and pelvic CT angiograms for abdominal-based breast free flap reconstruction. Ho OA, Bagher S, Jaskolka J, Tan M, Butler K, O'Neill AC, Zhong T, Hofer SO. *J Plast Reconstr Aesthet Surg*. 2016 May;69(5):e97-e102. doi: 10.1016/j.bjps.2016.01.023. Epub 2016 Feb 16.

Usability of the internal mammary recipient vessels in microvascular breast reconstruction. O'Neill AC, Hayward V, Zhong T, Hofer SO. *J Plast Reconstr Aesthet Surg*. 2016 Feb 17. pii: S1748-6815(16)00070-X. doi: 10.1016/j.bjps.2016.01.030. [Epub ahead of print]

Performing Ethical Research as a Plastic Surgeon in Private Practice: The

Institutional Review Board. McEvenue G, Hofer SO, Lista F, Ahmad J.

Aesthet Surg J. 2016 Apr;36(4):508-14. doi: 10.1093/asj/sjv263. Epub 2016 Jan 19. No abstract available.

Quality of Life and Patient-Reported Outcomes in Breast Cancer Survivors: A Multicenter Comparison of Four Abdominally Based Autologous Reconstruction Methods.

Macadam SA, Zhong T, Weichman K, Papsdorf M, Lennox PA, Hazen A, Matros E, Disa J, Mehrara B, Pusic AL. *Plast Reconstr Surg*. 2016 Mar;137(3):758-71. doi: 10.1097/01.prs.0000479932.11170.8f.

Autologous Breast Reconstruction in Women Older Than 65 Years Versus Women Younger Than 65 Years: A Multi-Center Analysis.

Song D, Slater K, Papsdorf M, Van Laeken

UNIVERSITY HEALTH NETWORK (UHN) – TORONTO GENERAL HOSPITAL

N, Zhong T, Hazen A, Vidal D, Macadam SA.
Ann Plast Surg. 2016 Feb;76(2):155-63.
doi: 10.1097/SAP.0000000000000527.

Quality of Life and Patient-Reported Outcomes in Breast Cancer Survivors: A Multi-Center Comparison of Four Abdominally-Based Autologous Reconstruction Methods.
Macadam SA, Zhong T, Weichman K, Papsdorf M, Lennox PA, Hazen A, Matros E, Disa J, Mehrara B, Pusic AL.
Plast Reconstr Surg. 2015 Oct;136(4 Suppl):86-7. doi:
10.1097/01.prs.0000472386.80855.11.
No abstract available.

Long-Term Psychosocial Functioning in Women with Bilateral Prophylactic Mastectomy: Does Preservation of the Nipple-Areolar Complex Make a Difference?
Metcalf KA, Cil TD, Semple JL, Li LD, Bagher S, Zhong T, Virani S, Narod S, Pal T.
Ann Surg Oncol. 2015 Oct;22(10):3324-30. doi:
10.1245/s10434-015-4761-3. Epub 2015 Jul 25.

Once is Rarely Enough: A Population-Based Study of Reoperations after Postmastectomy Breast

Reconstruction.
Roberts A, Baxter N, Camacho X, Lau C, Zhong T.
Ann Surg Oncol. 2015 Oct;22(10):3302-7. doi:
10.1245/s10434-015-4716-8. Epub 2015 Jul 23.

Mesenchymal Stem Cell Stimulation of Breast Cancer Proliferation Is Dependent on Both Stem Cell Source and Tumor Type.
O'Neill AC, Aggarwal P, Keating A, Hofer SO.
Plast Reconstr Surg. 2015 Oct;136(4 Suppl):116. doi:
10.1097/01.prs.0000472423.04551.43.
No abstract available.

The Toronto General Hospital Transitional Pain Service: development and implementation of a multidisciplinary program to prevent chronic postsurgical pain.
Katz J, Weinrib A, Fashler SR, Katznelzon R, Shah BR, Ladak SS, Jiang J, Li Q, McMillan K, Mina DS, Wentlandt K, McRae K, Tamir D, Lyn S, de Perrot M, Rao V, Grant D, Roche-Nagle G, Cleary SP, Hofer SO, Gilbert R, Wijeyesundera D, Ritvo P, Janmohamed T, O'Leary G, Clarke H.
J Pain Res. 2015 Oct 12;8:695-702. doi:
10.2147/JPR.S91924. eCollection 2015.

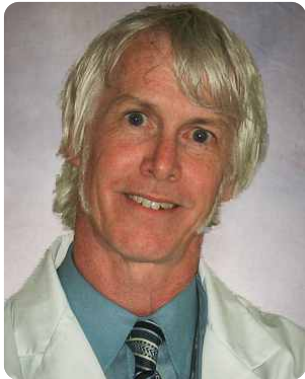
UNIVERSITY HEALTH NETWORK (UHN)
TORONTO WESTERN HOSPITAL,
HAND PROGRAM

TORONTO WESTERN HOSPITAL, HAND PROGRAM



Dr. Steve McCabe

The Hand Program at the Toronto Western Hospital continues to evolve.



Dr. Brent Graham

Dr. Brent Graham is now the Editor in Chief of The Journal of Hand Surgery. Dr. Graham has revamped the journal to increase its online presence and decrease the number of manuscripts in the printed version. This is the most important position in Hand Surgery so we are naturally proud of Dr. Graham's accomplishment.



Dr. Heather Baltzer

The Hand Unit has recruited a new staff surgeon, **Dr. Heather Baltzer**. Dr. Baltzer graduated from the U of T Plastics program and completed a fellowship in Hand and Micro at the Mayo Clinic in Rochester Minnesota. She is making a huge impact. In addition to her clinical practice, which includes a broad spectrum of hand surgery including challenging wrist problems, she is starting a practice wide data base to enhance our clinical research and quality monitoring.

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Canada's first hand transplant patient says surgery 'changed my life'

SHERYL UBELACKER
TORONTO — The Canadian Press
Published Thursday, Jun. 23, 2016 11:09AM EDT
Last updated Thursday, Jun. 23, 2016 11:12AM EDT

3 Comments  9  9  0  0  0 



In January, Toronto surgeons announced they had performed Canada's first hand and forearm transplant. Now, the woman at the centre of that groundbreaking surgery is going public, sharing the journey that has once again made her feel whole.

It's a story of faith, determination, and a belief that the miracles of medicine could wipe out the pain of the past and give her a brighter future.

In 2005, Maryam Zolfi's world was forever altered when her left arm was severed below the elbow in a horrific car accident. Three years later, the registered nurse was back at work, wearing an artificial arm that was cosmetic but non-functional.

Congratulations to **Dr. Steve McCabe** and his team of 18 surgeons who performed the first upper extremity transplant in Canada in January 2016 at Toronto Western Hospital. Dr. McCabe was one of the original group of surgeons in Louisville who performed the first hand transplant in 1999 so there is an interesting symmetry to this story. Steve returned to Canada in 2012 take Directorship of the Hand Unit at the University Health Network. This was an amazing feat of planning and many months to years in the making and represents a terrific team effort. While the surgical team comprised surgeons from the Hand Unit at Toronto Western, Toronto General Hospital and the Hospital for Sick Children, there was a remarkable collaborative effort involving the Division of Plastic and Reconstructive Surgery, the Trillium Gift of Life, Transplantation Service from UHN, UHN Administration and the Ministry of Long Term Health and Care. To date, the patient is doing well with good evidence of nerve regeneration and early return of function. Other candidates are being evaluated for this procedure.



Patient Maryam Zolfi and Dr. Steve McCabe



TORONTO WESTERN HOSPITAL, HAND PROGRAM

Manktelow Day is scheduled for Oct 14, 2016 with Steve Moran from the Mayo Clinic scheduled as our guest speaker. Dr. Moran is an international leader in the use of vascularized bone graft for wrist reconstruction. In addition to the morning session at the TWH, he will lead an afternoon workshop on small joint arthroplasty at the surgical skills lab.

We are continuing to reach out and co-ordinate care in the GTA. Our plans to include a rotation at SMC with Dr. Binhammer should start in calendar 2017. Surgeons from the hand program are performing surgery at Women's College Hospital. We are working to expand this valuable resource.

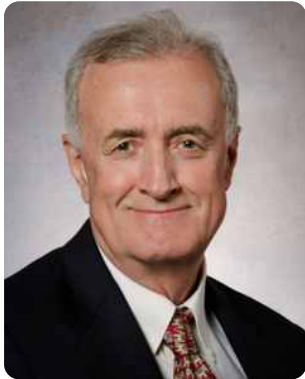


At this moment we have one new Hand Fellow at Toronto Western Hospital, **Dr. Jacqueline Piggott** who graduated from the Plastics program at Western University.

Dr. Jacqueline Piggott

WOMEN'S COLLEGE HOSPITAL

WOMEN'S COLLEGE HOSPITAL



**We have now moved 100% into our new building.
It's big, it's bright, it's beautiful!**

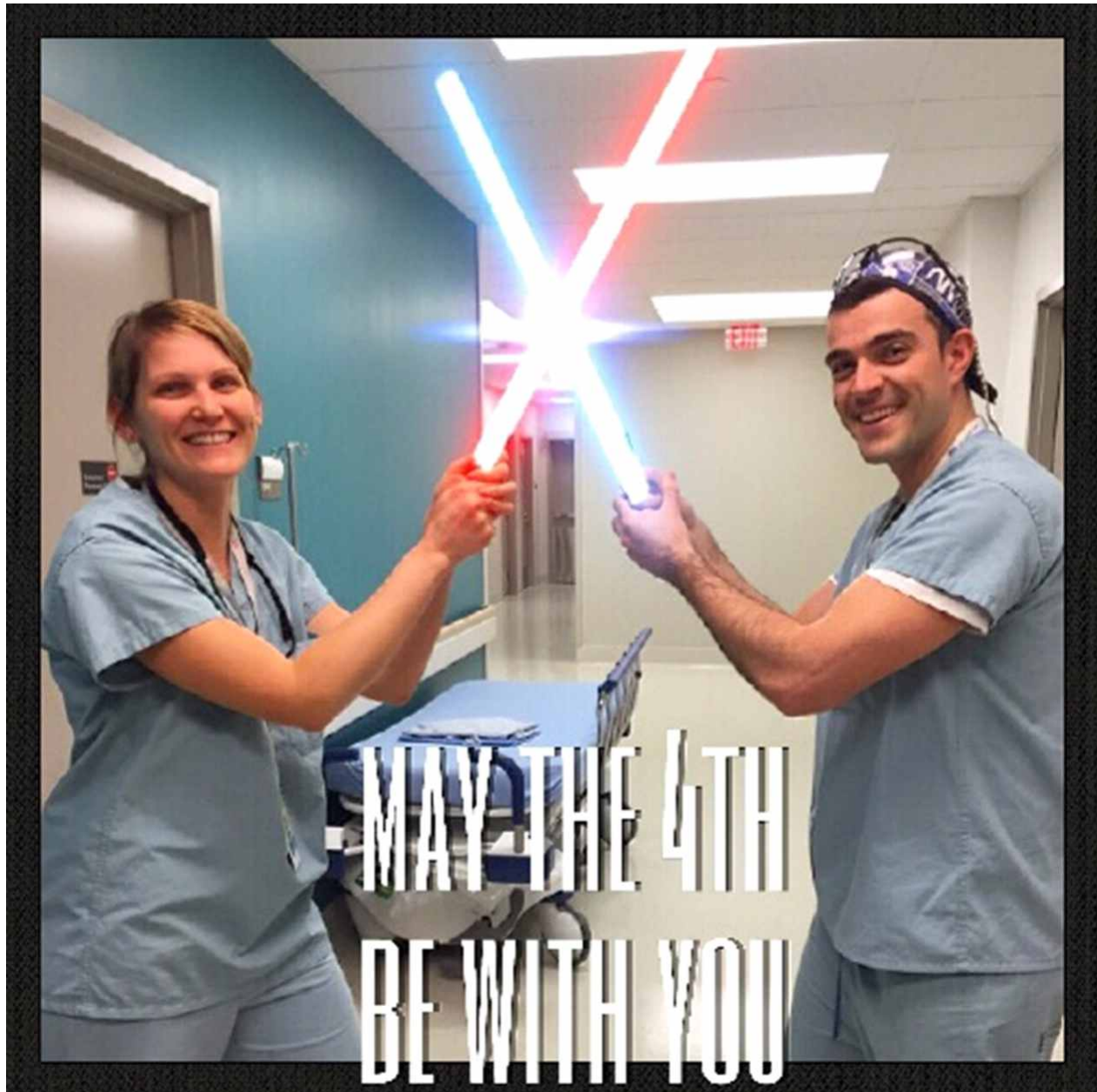
Dr. John Semple



Residents and Fellows

Drs. Siba Haykal, Jennica Platt and Giancarlo McEvenue were the 3 plastic surgery residents who rotated through Women's College Hospital. **Drs. Jennifer Klok and Tanya DeLyzer** were the 2 fellows who spent their time with us.

Here's Giancarlo and Tanya celebrating May 4th!





And here's the whole current team – Dr. Giancarlo McEvenue, Dr. Semple, Dr. Brown and Dr. Tanya DeLyzer



Dr. Semple with Dr. Jennica Platt and Dr. Jennifer Klok on their last day at WCH

During **Dr. Giancarlo McEvenue's** rotation, he conceived this idea, performed the study online, wrote it up, it was accepted as a podium presentation at the ASAPS meeting in Las Vegas (April 2016), he wrote the manuscript, submitted it to Aesthetic Surgery Journal and had it published this April. Congratulations Giancarlo on a lot of work with a great project published.

“How Social Are We? A Cross-Sectional Study of the Website Presence and Social Media Activity of Canadian Plastic Surgeons”. McEvenue G, Copeland A, Devon KM, Semple JL. Aesthet Surg J. 2016 May 18. pii: sjw069.

WOMEN'S COLLEGE HOSPITAL

Educational and Awareness Events

**Canadian Breast Cancer
Foundation/CIBC Run for the Cure 2015**

The weather was spectacular this year and WCH had two teams participating. The first was the “WCH Breast Health Champions” and here they are at the beginning of the race.



Team members: Christal Malcolm, Mei Lei Ling, Leah Semple, John Semple, Anna Semple, Alexandra Ritacca, Thanh Vu and Katherine Hay. And this photo pretty much sums up how we felt after finishing.



Canadian Breast Cancer Foundation/CIBC Run for the Cure 2015

The second team was the “University of Toronto Division of Plastic Surgery” and included **Katie Armstrong**, **Karen Cross**, **Tassi Halka** (UK Fellow), **Mitch Brown**, **Giancarlo McEvenue**, **Matthew Murphy** and **Ryan Austin**.

WOMEN'S COLLEGE HOSPITAL

**Gallie Day**

42nd Annual Gallie Day was May 13, 2016. **Dr. John Semple** is stepping down as Surgeon-in-Chief after 10 years. WCH has come a long way since then. Dr. Semple received a special recognition of his time and accomplishments as Surgeon-in-Chief with a special awards at the Gallie Day dinner from **Dr. Jim Rutka**.

CV Updates: Dr. Mitch Brown

Publications

Govshievich A, Somogyi RB, Brown MH: Conservative mastectomies and immediate reconstruction with the use of ADMS. *Gland Surgery*: September 2015: 4 (6): pp 453-462. PA

Armstrong K, Davidge K, Brown M, Morgan P, Semple J: Shifting autologous breast reconstruction into an ambulatory setting: Patient reported quality of recovery. *Plastic and Reconstructive Surgery*: October 2015: 136-4: pp 657-665. C

Brown MH, Govshievich A, Kirkham K, Brull R: Novel approach to intractable pectoralis major muscle spasms following submuscular expander-implant breast reconstruction. *Canadian Journal of Plastic Surgery*: November 2015: 1-3: pp 68-70. SRI

Maxwell GP, Heden P, Brown M, Luon J and Munhoz A: Delphi consensus recommendations: Intraoperative technique and postoperative management of patients with Natrelle 410 implants. *Plastic and Reconstructive Surgery - Global Open*: November 2015: 3/11: pp e557. CPA

Maxwell P, Heden P, Brown M, Luon J, Munhoz A: Delphi study consensus recommendations: Patient selection and pre-operative planning measurements for Natrelle 410. *Plastic and Reconstructive Surgery - Global Open*: November 2015: 3/11: pp e556. C

Brown MH, Isaac K, Murphy B, Beber B: The reliability of anthropometric measurements used preoperatively in aesthetic breast surgery. *Aesthetic Surgery Journal*: December 2015. SRI

Presentations / Invited Visits

American Society of Plastic Surgical Nurses, Boston, MA, October 17, 2015. Advocacy in surgery - Breast Reconstruction Awareness Day.

American Society of Plastic Surgeons Annual Meeting, Boston, MA, October 18, 2015. Choices in alloplastic breast reconstruction: A point counterpoint discussion - round vs. shaped and DTI vs. two-stage.

American Society of Plastic Surgeons Annual Meeting, Boston, MA, October 18, 2015. Choices in alloplastic breast reconstruction: A point counterpoint discussion - selection of internal support matrix.

Florida Society of Plastic Surgeons Annual Meeting, Boca Raton, Florida, December 4, 2015. Implant selection in aesthetic breast surgery.

Florida Society of Plastic Surgeons Annual Meeting, Boca Raton, Florida, December 5, 2015. Young Plastics Surgeons Breakfast.

Florida Society of Plastic Surgeons Annual Meeting, Boca Raton, Florida, December 6, 2015. Prevention and managements of complications.

WOMEN'S COLLEGE HOSPITAL

Continued: CV Updates: Dr. Mitch Brown Presentations / Invited Visits

Southeastern Society of Plastic and Reconstructive Surgeons, Atlanta, Georgia, January 22, 2016. Live Surgery Demonstration: Revision breast augmentation and mastopexy.

Southeastern Society of Plastic and Reconstructive Surgeons, Atlanta, Georgia, January 22, 2016. Nipple sparing mastectomy and direct to implant reconstruction.

Southeastern Society of Plastic and Reconstructive Surgeons, Atlanta, Georgia, January 23, 2016. Fat grafting with external expansion - Lessons learned.

Southeastern Society of Plastic and Reconstructive Surgeons, Atlanta, Georgia, January 23, 2016. Managing capsular contracture with site change.

National Society of Plastic Surgeons, Ottawa, ON, March 7, 2016. The tuberous breast deformity and lipofilling of the breast.

Barcelona Breast Meeting, Barcelona, Spain, March 17, 2016. Why you should use ADM in breast reconstruction.

Barcelona Breast Meeting, Barcelona, Spain, March 18, 2016. Disasters of the masters; solving complex problems.

Barcelona Breast Meeting, Barcelona, Spain, March 18, 2016. Solving problems in revision mastopexy and breast reduction.

Barcelona Breast Meeting, Barcelona, Spain, March 18, 2016. Solving problems in secondary implant surgery.

CV Updates: Dr. John Semple

Publications

Davidge K, Armstrong KA, Brown M, Morgan P, Li M, Cunningham L, Semple JL: Shifting Autologous Breast Reconstruction into an Ambulatory Setting: Patient-Reported Quality of Recovery. *Plastic and Reconstructive Surgery*: October 2015: 136(4): pp 657-65. CPA

Metcalfe K, Cil T, Semple J, Xuan L, Bagher S, Zhong T, Virani S, Narod S, Pal T: Long-Term Psychosocial Functioning in Women with Bilateral Prophylactic Mastectomy: Does Preservation of the Nipple-Areolar Complex Make a Difference? *Annals of Surgical Oncology*: October 2015: 22(10): pp 3324-30. CPA

Metcalfe KA, Cil TD, Semple JL, Li LD, Bagher S, Zhong T, Virani S, Narod S, Pal T. Long Term Psychosocial Functioning in Women with Bilateral Prophylactic Mastectomy: Does Preservation of the Nipple-Areolar Complex Make a Difference? *Ann Surg Oncol*. 2015 Oct;22(10):3324-30. impact factor: 3.93

Armstrong K, Coyte P, Semple J. The Effect of Mobile App Follow-up Care on the Number of In-person Visits Following Ambulatory Surgery: A Randomized Control Trial. *Stud Health Technol Inform.* 2015;216:894.

Davidge KM, Armstrong KA, Brown M, Morgan P, Semple J. Shifting Autologous Breast Reconstruction into an Ambulatory Setting: Patient Reported Quality of Recovery, *Plast Reconstr Surg.* 2015 Oct;136(4):657-65.

Semple JL, Metcalfe K, Virani S, Narod, S Does the Age of Breast Cancer Diagnosis in First-Degree Relatives Impact on The Risk of Breast Cancer in BRCA1 and BRCA2 Mutation Carriers. *Breast Cancer Res Treat.* 2015 Oct 14.

Metcalfe, K., Semple, J., Quan, M.L., Holloway, C., Wright, F., Narod, S., Hofer, S., Bagher, S., Zhong, T. (2015). Why Some Mastectomy Patients Opt to Undergo Delayed Breast Reconstruction: Results of a Long-term Prospective Study. *Ann Surg Oncol.* 2015 Oct;22(10):3324-30.

Armstrong K, Coyte P, Semple J. The Effect of Mobile App Follow-up Care on the Number of In-person Visits Following Ambulatory Surgery: A Randomized Control Trial. *Stud Health Technol Inform.* 2015;216:894.

Presentations / Invited Visits

University of Guelph, International Institute for Critical Studies in

Improvisation, Guelph, Ontario, September 16, 2015. Improvisation in jazz as a model for improvisation in surgery and research.

The Cancer Quality Council of Ontario, Toronto, Ontario, November 18, 2015. 12th Annual 2015 Signature Event, Collaborate to Activate: Empowering patients and providers for improved self-management.

7th Annual, World Congress - The Care Coordination and Technology: Leadership Summit on Hospital Readmissions, Atlanta Georgia, USA, January 21, 2016 - January 24, 2016. Leverage Mobile Technologies as a Tool in reducing Readmissions.

11th Annual Asia Pacific Travel Health Conference, Kathmandu, Nepal, March 2, 2016 - March 5, 2016. High Ozone Levels on Mount Everest: Health Implications for Sherpa Communities and Mountaineers.

The Aesthetic Meeting 2016, Las Vegas, Nevada, April 2, 2016 - April 7, 2016. Technology in Plastic Surgery: New Apps that have the Potential to Change Your Practice.

Post Mastectomy Breast Reconstruction National Consortium Meeting, Toronto, Ontario, April 15, 2016. Talk as Chair in Surgical Breast Cancer Research for the Canadian Breast Cancer Foundation - Ontario Chapter.

WOMEN'S COLLEGE HOSPITAL

Continued: CV Updates: Dr. John Semple Presentations / Invited Visits

Women's College Hospital - Medical Advisory Committee Meeting, Toronto, Ontario, May 3, 2016. Quality Improvement in Ambulatory Surgery.

Preventive mastectomy for the prevention of breast cancer. Women's College Hospital - A Biannual Conference on Hereditary Breast & Ovarian Cancer. May 27, 2016

Honours / Awards

Dr. Katie Armstrong received the Mentor Best Clinical Paper Award, Resident Research Day, The Division of Plastic and Reconstructive Surgery, University of Toronto. Toronto, Ontario, 2016.

"Replacing ambulatory clinic follow-up with remote home monitoring using smartphone in breast reconstruction patients: Is it cost-effective?" Supervisor: Dr John Semple

Dr. John Semple was awarded the "Mentorship Research Award" by the Women's College Hospital Research Institute, 2016.

"Replacing ambulatory clinic follow-up with remote home monitoring using smartphone in breast reconstruction patients: Is it cost-effective?" Semple JL, Bhatia RS, Coyte P, Armstrong K: Canadian Institute of Health Research (\$39,903 2014 - 2016)

Research Awards

Development and validation of a competency-based program of education and assessment of the fundamentals of microsurgery (FMS). Grober E, Brown MH, Semple J, Jarvi, K, Bagli D: Women's College Hospital Innovation Fund. (\$13,850 2015 - 2016)

Replacing ambulatory clinic follow-up with remote home monitoring using smartphone in breast reconstruction patients: Is it cost-effective? Semple JL, Bhatia RS, Coyte P, Armstrong K: Canadian Institute of Health Research. (\$39,903 2014 - 2016)

RESIDENT AESTHETIC CLINIC:
EDUCATION PROGRAM
IN AESTHETIC PLASTIC SURGERY

EDUCATION PROGRAM IN AESTHETIC PLASTIC SURGERY

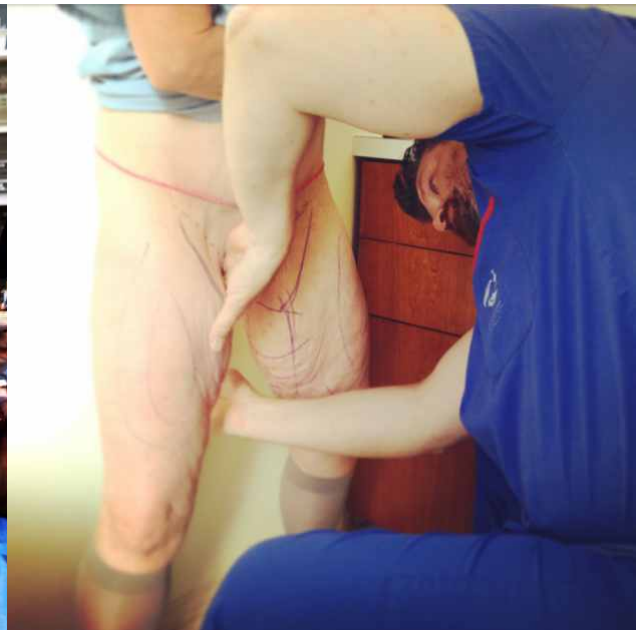


Dr. Jamil Ahmad

The Resident Aesthetic Clinic was at Women's College Hospital for 4 years. This June 2016, the program moved out of the hospital. The residents now have clinic and operate at the Plastic Surgery Clinic in Mississauga.

The Education Program in Aesthetic Plastic Surgery continues to grow. There have been 11 residents that have rotated through the clinic who have performed over 80 aesthetic surgery procedures in total. The residents also gain hands-on experience with nonsurgical procedures.

This past year, we have been fortunate to have **Drs. Giancarlo McEvenue, Matthew Murphy** and **Michael Hendry** managing the Resident Aesthetic Clinic and we surpassed last year's case volume.



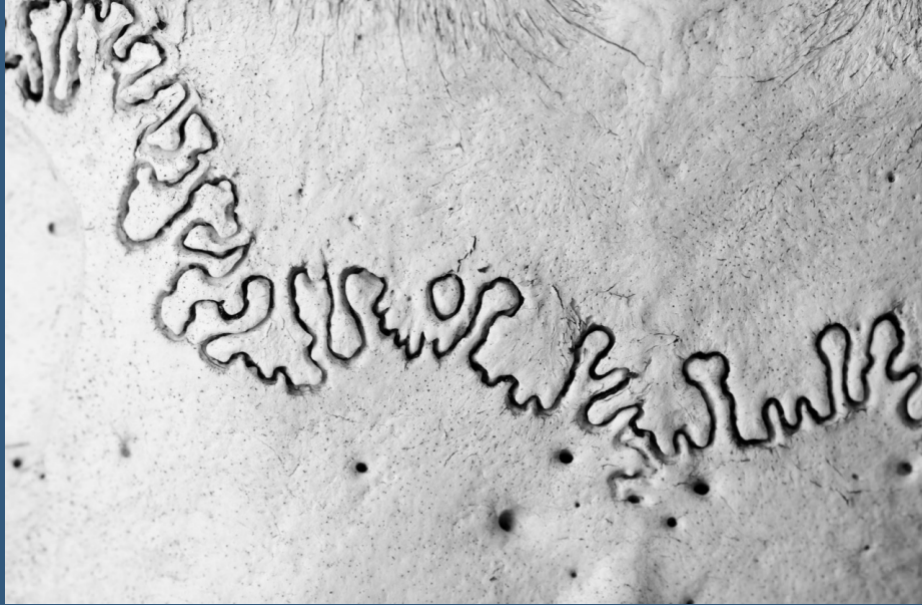


Over the past year, our residents attended several special teaching sessions with our GTA-PRS guest lecturers including **Dr. Christine Hamouri**. In April 2015, we had our annual Residents' Luncheon with the ASAPS Travelling Professor, **Dr. Glenn Jelks**, during the Annual University of Toronto Breast and Aesthetic Plastic Surgery Symposia. **Drs. McEvenue** and **Murphy** presented cases from their clinic to our visiting professors, **Dr. Glenn Jelks**, **David Hidalgo** and **Brad Calobrace**. Also in attendance were many of our volunteer faculty for the Resident Aesthetic Clinic.

In September 2015, **Dr. Austin** presented his aesthetic surgery research project at the Annual Meeting of the Canadian Society for Aesthetic Plastic Surgery in Montreal.

In April 2015, **Dr. McEvenue** presented his aesthetic surgery research project at the Resident and Fellows Forum at the Annual Meeting of the American Society for Aesthetic Plastic Surgery in Las Vegas.

We continue to receive a lot of positive feedback and support from our Toronto plastic surgery family for this integral part of our plastic surgery training program. This year, we have been privileged to have **Drs. Lista** and **Born** staff cases in the Resident Aesthetic Clinic. Additionally, our residents have visited plastic surgery practices throughout the GTA and surrounding areas. We look forward to the involvement of more of our faculty in the Resident Aesthetic Clinic in the future - maintaining the tradition of excellence in aesthetic plastic surgery education at University of Toronto.



Corvine Calvarium by David Fisher, MD



**DIVISION OF PLASTIC &
RECONSTRUCTIVE SURGERY**

For more information, please contact:

Kathy Pavlovic
Program Administrator

Tel.: (416) 978-8534
Fax: (416) 978-7316
Plastics.Admin@utoronto.ca

uoftplasticsurgery.ca



Division of Plastic and Reconstructive Surgery
Department of Surgery, Faculty of Medicine
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