

Western Urology News

Spring 2017

In this edition of the Western Urology Newsletter we are pleased to share noteworthy faculty and trainee achievements over the past year. It has been a very productive year! Clinical and basic science research continues to flourish within the division. Research grant support over the past year exceeded \$2 million. A description of some of the novel research projects ongoing under the direction of Dr. Jeremy Burton, the Burnett Chair in Urological Sciences, and his research team is reviewed on page 2. The division is pleased to be welcoming Dr. Peter Wang, one of our former residents, back to London this summer after a two year fellowship in Pediatric Urology at the University of California in Irvine. Dr. Wang will be practicing full time pediatric urology and, with a Master's in Medical Education, will devote time to surgical simulation research. We also welcome our three new PGY1 residents joining us in July. A warm welcome to Heather Morris, Ernest Chan and Leandra Stringer! We also say our good-byes to our outgoing chief residents—Jeff Campbell, Victor McPherson and Siobhan Telfer. We wish them well in their upcoming fellowships in the US! We hope you enjoy this installment of our newsletter. Happy reading!

Dr. Hassan Razvi, Chair/Chief

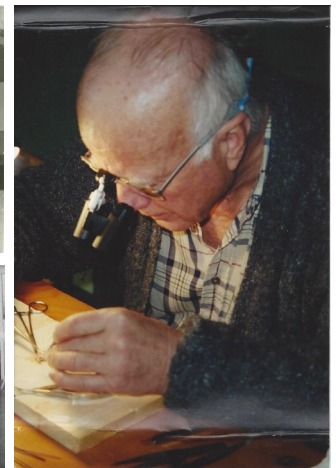


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UROLOGY RESEARCHERS MAKING A DIFFERENCE

Jeremy P. Burton, PhD – The Microbiome and Urologic Health

The Burton Laboratory is interested in all things urology, with a specific focus on the interplay between the microbiome and urological health. They took a risk when they started down this research path in 2013, as the microbiome was only likely to impact urological health through infections and kidney stones. Now this field is expanding exponentially and has quickly become much more robust than initially thought. The largest active study at the Burton Lab seeks to characterize the microbiome of kidney stone formers using next generation sequencing technology and untargeted metabolomics. At its culmination, this study will have identified the bacteria and metabolites present in the gut, urine and kidney stones of over 200 patients. The lab is also exploring the association between biomaterial composition and the stent-associated microbiome; studying the urinary microbiome in patients with kidney and bladder cancer; assessing microbiome's effect on prostate cancer therapy and kidney transplants; and identifying the role of bacterially produced neuroactive substances in diseases such as UTI and UUI.



Until recently, microbiome implications to, and within, the urinary tract were widely disregarded by both clinicians and researchers; however, the application of 16S rRNA gene surveys to urine and tissue has changed this perspective. The Burton Lab is fortunate to be a part of Western University's Division of Urology, where they work with multiple urologists to design clinical studies targeted at increasing disease knowledge and improving patient health. Research to-date suggests that the microbiome affects many aspects of urology, even though the urinary tract itself is not heavily populated by bacteria—the colon is home to most of the bacterial microbiome. Although largely based elsewhere, the microbiome is believed to influence the urinary tract through production of molecules, which are filtered by the kidney and stored in the bladder prior to excretion. There are only a few tools and therapeutic agents currently available that effectively alter the microbiome, which include diet modifications, probiotics, antibiotics and microbial transplants. Upon commencing work in his current role, Dr. Burton noted a disconnect between what goes on in the laboratory and what happens clinically. He is working to instill a translational and collaborative focus for his lab's trainees by encouraging that they work closely with clinicians. Most of the lab's post-doctoral fellows and graduate students have an academic microbiology or basic science background; therefore, Dr. Burton likes to expose them to as much clinically-related experiences as possible. A key part of his program is attendance at the Division of Urology's Grand Rounds, research days and research meetings. Most of the trainee's projects have direct clinical relevance and each student is unofficially mentored by at least one of the staff urologists. In addition, students are expected to be involved in patient recruitment and sample collection, some of which is done during surgical procedures. The urologic research community looks forward to impactful new discoveries to come from the Burton lab's microbiome work! *(Excerpt from AUA Winter 2017 article)*

Fight Against Cancer Innovation Trust Award!

Dr. Power's creative approach brings treating urostomy patients a step closer to reality

<http://news.westernu.ca/2016/08/fellowship-fuels-researchers-new-way/>



Random objects may help urostomy patients find a better quality of life. A recent study stated that 100% of urostomy patients face discomfort, stress and inconvenience after surgery (collection systems do not fit properly, leak, are difficult to use and cause skin irritation) with a large cost to taxpayers. With the Western Medical Innovation Fellowship, Dr. Power's innovative ideas to find a better system, may come to fruition. Dr. Power and his team received the Ernsting Entrepreneurship Award and \$50,000 in funding from the Fight Against Cancer Innovation Trust (FACIT) for a system Dr. Power is calling 'MY-osto'ME'. The funding will support Dr. Power and his team in creating a sophisticated prototype to test.

*Uro-Oncology Fall Review Update**Save the date!*

New This Year !
Combined Western/McMaster Urologic Oncology Fall Review
September 29-October 1, 2017

Whiteoaks Conference Resort and Spa, 253 Taylor Road, Niagara-On-The-Lake, Ontario

The 20th Annual UroOncology Review was very successful in Stratford, Ontario. We welcomed several world renowned guest speakers, including Dr. Patrick Walsh (for his second visit). Following this notable 20th anniversary milestone, we have decided to expand our program and welcome the Urology faculty from McMaster University to formally join the Western Urology faculty as co-hosts this year. Dr. Steven Boorjian, Urologic Oncologist at the Mayo Clinic in Rochester, Minnesota) will be one of the guest speakers. Dr. Boorjian is a world renowned authority in prostate and bladder cancer. He is also an Associate Editor of European Urology, Program Director of the Urologic Oncology Fellowship Program at the Mayo Clinic and a very dynamic speaker! Details on other guest speakers will follow. Registration available soon.....

SUO FELLOWSHIP

The Division of Urology at Western University offers post-residency fellowship training in Urologic Oncology. The fellowship is a two-year program with approximately one year spent on clinical training and one year spent conducting basic science, translational and/or clinical research. The clinical year is organized in an integrated, multi-disciplinary fashion offering rotations in urologic oncology, medical oncology, radiation oncology, gynecologic oncology, diagnostic genitourinary pathology, and experimental oncology. Our Urologic Oncology fellowship was the first program outside of the USA to be accredited by the Society of Urologic Oncology (SUO) in 2006. Currently, only one other program outside of the USA is accredited. Our SUO Fellowship also recently went through a successful accreditation in San Antonio, Texas in December 2016 to be fully accredited for the next five years. Below is a list of some of our notable SUO Fellows.

SUO Fellow	Years	Current Position
Dr. Venu Challasani	2007-2009	Senior Lecturer, University of Sydney, Sydney, Australia
Dr. Carlos Martinez	2008-2010	Profesor Instructor de Post-grado Urología, Universidad CES, Medellín, Colombia
Dr. Andrew Williams	2009-2011	Consultant Urologist, Auckland District Health Board and Counties Manukau Chairman, New Zealand Urologic Training & Education Committee, Auckland New Zealand
Dr. Ali AlZahrani	2010-2012	Chairman of Urology Assistant Professor, Imam Abdulrahman Bin Faisal University, Saudi Arabia
Dr. Vladimir Yutkin	2011-2013	Consultant in Urologic Oncology Assistant Professor, Hadassah Medical Center, Jerusalem, Israel
Dr. Michele Billia	2012-2014	Consultant, Urological Surgeon University of Piemonte Orientale, Maggiore Della Carità Hospital, Milan, Italy
Dr. Clarisse Mazzola	2013-2015	Assistant Professor, Urology Centre Hospitalier Universitaire de Saint-Denis de la Réunion Réunion, France
Dr. Kim Chi Tran	2015-2016	Consultant Urologist, Scarborough General Hospital, Toronto, Ontario
Dr. Khurram Siddiqui	2015-2017	Senior Consultant, Division of Urology, Sultan Qaboos University Hospital, Muscat, Oman
Dr. Malcolm Dewar	2016-2018	Current SUO Fellow from South Africa
Dr. Khalil Hetou	2017-2019	Incoming SUO Fellow from Germany

Endourology Society - World Endo Initiative in Haiti *by Dr. John Denstedt*



I travelled to Port-au-Prince, Haiti in March, 2017 as part of a small group of urologists doing humanitarian surgery and teaching in the city of Port-au-Prince. We worked at the Hopital Saint-Francois de Sales in the center of the city. The hospital was rebuilt following the earthquake in 2010 and just reopened 2 years ago. The urologist leading the mission was Dr. Henri Lanctin who trained in Ottawa and spent most of his career in community practice in South Dakota and Minnesota. He has been to Haiti on numerous occasions over the last 5 years. The other surgeons included 2 reconstructive urologists, one from the Kaiser in San Francisco and the other from the Beaumont Hospital in Detroit - both have been to Haiti on several occasions over the last few years doing similar work. This was my first trip to Haiti. We had a video conference with the local urologists 2 weeks prior to the trip which provided me the opportunity to project a handful

of PowerPoint slides, walking through the various aspects of a PCNL case. Cook Canada supplied approximately \$12,000 of new disposable equipment (guidewires, balloon dilators, stone baskets, etc) which were packed large suitcases for the trip. This equipment lasted only into mid week and required soaking in Cidex for re-use.

During the week 16 endourology procedures were performed - 12 PCNL's, 4 ureteroscopies with Holmium laser lithotripsy. A core group of 4-5 local urologists scrubbed in and participated in most of the cases to learn to perform these surgeries after I left. The PCNL on the first day was the first ever percutaneous stone removal done in the country of Haiti the current standard of care there remains open surgery or no treatment at all.

There is a medical school and Urology residency training program in Haiti, which seems to be poorly structured and in need of reform. In fact the residents in all specialties including urology had just returned to work, after having been on strike for the last 9 months. The overall infrastructure of the hospital was good, having just been rebuilt 2 years ago. There were many challenges to conducting the cases - examples include: a used Olympus ultrasound lithotripsy unit was purchased by Project Haiti prior to the trip and shipped to Port-au-Prince. Upon inspection the probes were missing, thus the unit was not usable. We did find a Lithoclast-type device from India (in a back room, covered in dust) and were able to get that going but with ureteral probes only. I did show them how to set up the Olympus ultrasound unit and I feel confident they will be able to get it together and use it once the probes arrive. They had a rigid nephroscope but the light cable was not compatible so it had to be held to the scope much of the time to achieve adequate visualization.

There is no ESWL or flexible ureteroscopy available in Haiti. There is a Holmium laser (brand unknown) but it would overheat after about 15 -20 laser pulses and needed to be shut down and rebooted which would take 3 - 4 minutes. This would happen at least a dozen times in each ureteroscopic case.

Upon assessment, the hospital did not have a blood bank, no angiography and embolization in the entire country and the hospital had no step-up or ICU facilities to stabilize the septic patient. They did have a fairly new C-arm but no one to run it. The only x-ray technician in the hospital was off sick that week so Bob Markovich who also accompanied us on this trip from Miami operated the C-arm - which was also challenging though as they only had 3 to 4 lead gowns (I took my own). This meant doing some fluoroscopy and Bob would approach and reposition the C-arm for my next move. During the week there were occasional power outages that took down the entire operating room including the anesthesia monitoring equipment, ventilator, C-arm and light sources. We would have to wait things out and proceed when the power came back on. The nursing staff were excellent and enthusiastic and by the end of the week were getting comfortable with the flow of PCNL and ureteroscopic procedures.

Preoperative assessment of the patients was limited to KUB x-rays. One or two had a grainy IVP series. There were no CT scans. I spoke to all of the patients pre-operatively through a translator as the local language is Creole. A number of the patients had previous open surgery for stones. I did rounds every day and on post-operative day 1 after the first series of PCN cases, found all patients essentially rigid in their beds, NPO and with all tubes and IV's in place. This provided the opportunity to instruct the local urologists on postoperative care of such patients including full diets, early ambulation and early tube removals. Most patients were able to go home within 1 or 2 days. All of the cases were done without complication. I think that all but one were rendered stone-free.

Since I was in Haiti I have had several communications from the local urologists. They were triumphant in describing that they placed the first stents with fluoroscopic control ever done in the country. They also performed their first successful semi-rigid ureteroscopy and laser lithotripsy. Aside from the technical aspects of the surgery, it appears this model also promotes camaraderie and team building amongst the local physicians!

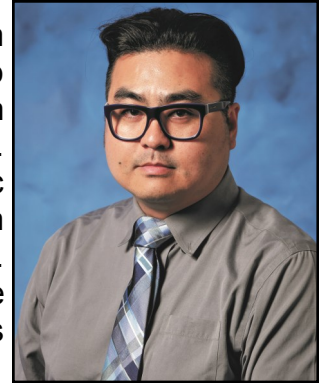
When I arrived home I provided a write-up for them on how to embark on percutaneous stone removal and it is my hope they will be able to take this on independently in the near future. They are now positioned as well, to insert a nephrostomy tube in patients with obstructed hydronephrosis and sepsis, and this represents a huge advance in Haitian urology. I am also exploring the possibility of using technology to support them by way of proctoring for their first few cases.

For me this was a very satisfying and rewarding experience. I would certainly do it again if the opportunity arose. Both Dr. Lanctin and the local urologists in Haiti are deeply grateful to the Endourology Society for the support that was provided to offset my expenses to travel to Haiti and participate in this activity. I believe that the Endourology Society can have an immense impact worldwide with these types of initiatives. We have great people in our Society and I am sure many others would like to have the privilege that I have had on this recent trip to Haiti.



Joining Our Faculty....Dr. Peter Wang

Dr. Wang was born in China and immigrated to Canada in 1988 from Argentina. He obtained his Bachelors of Science at the University of Toronto followed by a degree in Medicine at the University of Alberta. He then completed a Urology residency at Western University. After residency Dr. Wang moved to Irvine California for a two year fellowship in Pediatric Urology with Dr. Antoine Khoury; where he was also concurrently enrolled in a Masters of Education in Health Professions at John Hopkins University. Dr. Wang will be joining the Division of Urology in July as the second full-time Pediatric Urology, joining Dr. Sumit Dave at London Health Sciences Centre—Victoria Hospital.



Upcoming CME

MAN UP!
AND TAKE CHARGE
OF YOUR HEALTH



THE MEN'S HEALTH BREAKFAST
Join us for an informative morning filled with the latest trends in men's health and tips from experts on healthy aging.

Dr. Larry Goldenberg – The Canadian Men's Health Foundation: Making Canadian Men the Healthiest in the World
Dr. Nicholas Power – Update on Testis Cancer: What Men Need to Know
Wayne Hartrick – Tips and Tricks for Healthy Habits

AUGUST 22, 2017 | 7:30 – 9:30 AM | LONDON CONVENTION CENTRE

\$500 for a table of 10 | \$80 per spouse couple | \$75 for individuals
For ticket information visit sjhcfoundation.org or call 519 685-8800 ext. 2152

Proceeds from the breakfast will support care and research at St. Joseph's Urology Program.




WCE
VANCOUVER, CAN
12-16 SEPTEMBER
35TH WORLD
CONGRESS OF
ENDOUROLOGY

2017

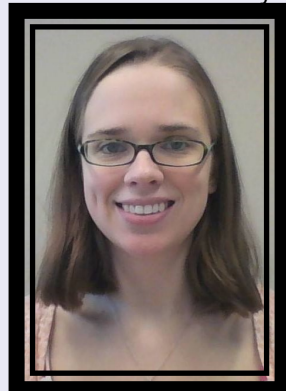
A bridge to the future of endourology

Save the date!



Ernest Chan
Western University

Heather Morris
McMaster University



Leandra Stringer
NOSM

**Coming
July 1....
New
PGY1s!**



Resident News



Engagement of Jeffrey Law and Lindsey Chow...the wedding will take place on June 10, 2017 at the RiverBend Golf Community. Congratulations Jeff and Lindsey!

Nahid Punjani (PGY3) graduates from the Masters of Public Health in Clinical Epidemiology at Harvard University in May 2017. Congratulations on all of your hard work!

Goodbye and Best Wishes!

As I stand at the finish line of residency, I can't believe how quickly the past 5 years have flown by. The growth and skill acquisition that can be accomplished in such a short period of time is astonishing. This last year has been particularly tough, but I have my wonderfully understanding wife and son, my therapists Dr. Nitz and Dr. Brock, my huffy friend Victor and my life/study coach Dr. Tatzel to thank for the mental stability. My advice to the junior residents – the system works! Take every opportunity to learn, be hard on yourself, and treat every patient like they are family. If you welcome both positive and negative feedback and understand the educational value embodied in each seemingly mundane task, the staff will guide you to success. I am sincerely grateful to everyone that has played an instrumental role in my residency and thank you for making me the Urologist I am today. I am excited for my transition to Johns Hopkins to become a true "penis expert," and know I'll look back on my residency experiences with gratitude, appreciation, and fond memories. I consider myself lucky to leave Western with so many friends, future colleagues and only a few AEMS reports. I'm looking forward to seeing everyone again soon. Cheers! *Jeff Campbell*



At the start of residency, it seems as though the training time is impossibly long, and the knowledge, and the skills acquisition required are insurmountable tasks. Only as you approach the end do you realize how truly short a time it is, and how well the process works to ensure that you've developed the skills and knowledge required to enter practice. However, the system only works so well as a result of the terrific and tireless guidance and mentorship of the staff, and the time and stress is manageable as a result of the support of Kim and rest of the administrative staff, and the friendships that you make within the program with your co-residents. I am very thankful for all of the endless support from both my wife Jennifer, and from those with whom I've formed what I anticipate to be lifelong friendships during these last 5 years. As I leave London for New York to pursue a fellowship in Uro-Oncology at Memorial Sloan Kettering, I know that I will always have nothing but praise for my experience here and I wish to sincerely thank everyone who's had a hand in my development during these years. *Victor McPherson*

It's hard to believe that this time has come to an end. This residency has been a challenging experience I will not soon forget. In addition to teaching me to become a surgeon, the program has also provided many life lessons that have shaped my character. I am grateful and indebted to the staff that have mentored me and supported my development throughout the years. I would also like to thank the supporting staff, who do so much for the program. Finally, I'd like to thank my fellow residents and commend them for their hard work and dedication. It's been great getting to know you and I wish you all the best for the future. I look forward to starting a new chapter in life, moving on to an Oncology fellowship at the National Cancer Institute in Maryland. *Siobhan Telfer*



From the Program Directors

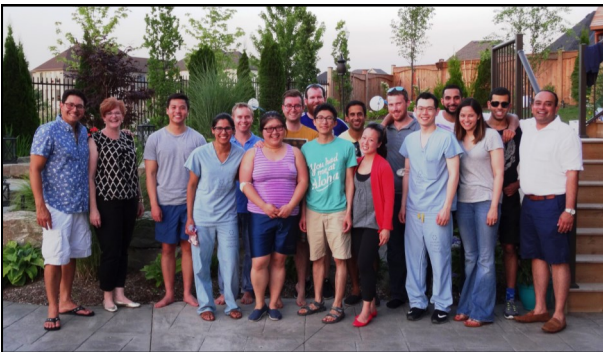
As we draw closer to the end of this academic year, we celebrate the success of another three of our exceptional residents who can now clearly see the end of their journey of residency training. Dr. Siobhan Telfer, Dr. Jeff Campbell, Dr. Victor McPherson have all done an excellent job during their time in our program and have been exceptional role models for all junior residents. All three have decided to jump south of the border to carry out strong fellowships in various disciplines. Siobhan will soon be moving to Bethesda, Maryland to pursue a fellowship at the NIH in Uro-Oncology, Jeff will be close by in Baltimore, Maryland as he carries out his fellowship in Andrology at Johns Hopkins University and Victor will be in Manhattan, New York for his fellowship in Uro-Oncology at Memorial Sloan Kettering Cancer Center. We wish them all the best in these new adventures and know that they will continue to make us proud as they move forward with their careers! We look forward to hearing all about their successes in the years to come. In this time of goodbyes, we are also delighted to welcome our three new PGY1 residents to the Western Urology family: Ernest Chan Law will remain London after completing medical school at Western University, whereas Leandra Stringer and Heather Morris will be joining us from the Northern Ontario School of Medicine and McMaster University, respectively. We look forward to working with them!

Our Urology program has always been a leader and innovator in residency education to ensure that we meet the growing needs of our trainees and help them to achieve their goals as successful future urologists. In conjunction with all program directors across Canada, we have been working toward creating the new Competency By Design (CBD) specific residency training pathway which will both enhance resident education and facilitate identification of specific areas in need for improvement in resident training with the aim of producing a more uniform training experience across Canada. As we get closer to the implementation of the CBD evaluation paradigm set by the Royal College of Physicians and Surgeons of Canada in 2018, it will be increasingly important that we are prepared for this transition. The changes that were implemented in preparation for our transition over to CBD over the past year include revised and resident driven formative evaluations, modified rotations and teaching schedules, as well as the updated laparoscopic/endoscopic and open surgery skills labs have been very successful. We also like to thank our adjunct faculty in Sarnia, Windsor and Woodstock for implementing many of these new evaluations into their daily interactions with our resident as well as for all their hard work and dedication to residency education - their contributions truly strengthen our overall program and elevate it above many others around the country.

This has been another fantastic year for our residents - many have been successful in a variety of research and clinical endeavors. We congratulate Nahid Punjani (PGY3) and Roderick Clark (PGY2) for being awarded the two competitive Department of Surgery Resident Research Grant awards out of a group of 18 applicants. Salutations to Roderick Clark (PGY2) for being awarded the Department of Surgery Dr. Murray Girotti Teaching Award for best resident teacher of the year as well as for receiving the Division of Urology Teaching Award for his efforts in medical student education. Selected by his peers, Jeff Campbell (PGY5) was awarded the 2016 most valuable resident award. We applaud Wen Xie (PGY3), Nahid Punjani (PGY3) and Melissa Huynh (PGY4) for being awarded travel grants from the Division of Urology to present their research at national and international conferences. Two of our residents are pursuing graduate degrees during their residency programs—Nahid Punjani (PGY3) has successfully completed his Masters of Public Health in Clinical Epidemiology at Harvard University, graduating in May 2017 and Harmenjit Brar (PGY2) is the first Urology resident to go through the Masters in Surgery program at Western University and is expected to defend his thesis and graduate in the fall of 2017. Congratulations to both of these gentlemen for a job well done!

As always, we would like to thank Kim Nitz, our Program Administrator, who consistently makes sure that the ship sails in the right direction and we thank her for all of her hard work and dedication to our residency program. It has been an absolute pleasure to work closely with all of the residents this year and to always strive to improve our already fantastic program. We look forward to another year of success for our dedicated, caring and talented group of residents.

Alp Sener and Sumit Dave

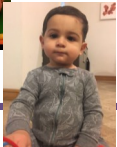


Follow the Fellows



I cannot believe that it has now been around a year since we left London. The past year has been a blur, with getting used to the new job, new home, and new baby. There has been a lot of learning on the spot (ex. "How do I find a local pelvic floor physiotherapist for my patients?"). It has been great to grow and to come into my own as a urologist. It still seems surreal. The new home is undergoing slow renovations, and we are enjoying making it our own. The new baby is now over a year old (by the time you read this), and she is wonderful. The two kids get along great, and you can see the joy in Quynh's eyes when James decides to play with her. James on the other hand, is thriving in French Montessori. I suspect that in another year he will have surpassed my grade 11 level of conversational French! I hope that everyone in London is doing well, and if ever I could help someone with setting up a new practice or whatnot, please feel free to contact me. *Kim-Chi Tran*

I finished my kidney transplant fellowship program at LHSC on June 30, 2016. I definitely enjoyed my time in London Ontario. The team I worked with was absolutely phenomenal - they supported me all the way throughout the whole journey and taught me various methods that improved my career. Upon my return to the Hamad Medical Corporation in Doha, Qatar, I resumed my work as a urologist and kidney transplant surgeon. I did my best to translate the knowledge and skills that I learned in my fellowship both in Urology and kidney-pancreatic transplantation. My transplant team colleagues and I started putting the policies and guidelines in place and have succeeded in recruiting some patients to kidney-pancreatic transplantation. We are now ready to start our first case. With the help of our ICU colleagues we have established the logistics and infrastructure to start the Donation After Cardiac Death program and we are looking to have the first case in the first half of this year. I wish all my friends and teachers in LHSC all the best and a successful research day. *Omar Ali*



I am back in my hometown, the mountainous and sunny Monterrey, Mexico. In July, I established my private practice at the Zambrano Hospital, affiliated with the ITESM university, where I am an assistant professor and also part of the research team. I work in the public health system as well, where in addition to practicing medicine, have plans to apply some of the best practices learned while in Canada. Yelile, Lucía and Elías, have recovered their tan color, but miss the snow and their loving Canadian friends. *Daniel Olvera-Posada*



Greetings from Qatar! After completing a wonderful year and in London doing Andrology fellowship, I moved back to my busy work and am enjoying the hot weather in Qatar but my wife and four kids remain in Mississauga. Currently I am a consultant in urology and Andrology and am an Assistant Professor at Weill Cornell Medical College (Qatar), I have implemented many positive things (that I learned while in Canada) to my institute and to our educational residency program. I have published many articles in the field of Andrology with all the support and advice from Dr. Brock that continue even after completion of the fellowship. I would like to thank all the staff and colleagues at St. Joseph's Hospital that I worked with, and especially Dr. Brock and his team. I am seriously missing Canada. *Raidh Al-Zbaidi*



ALUMNI



Dr. Ken Beasley and family



Greetings from Sarnia! I'm still having a great time at work and at home with my two awesome kids Elise and Hugo. Playing more squash and hoping to play more golf this year. The toddler is already swinging a 7-iron on plane. Looking forward to seeing everyone at Resident Day. *Paul Martin*

Naji and Kay are delighted to announce the arrival of their son Clark on Dec 4, 2016. Naji continues to enjoy his practice in



Division Productivity 2016 (Jan-Dec)

Honours and Awards

Dr. Gerald Brock

- SMSNA Essay Prize, *Role of metalloproteins in Peyronie's disease*, International, Sexual Medicine Society of North American Annual Meeting
- President Elect, Canadian Urological Association

Dr. Jeremy Burton

- American Urological Association Investigator- Urology Researchers Making a Difference: Jeremy P. Burton, PhD – The Microbiome and Urologic Health.
- Young Investigator Award - Society for Basic Urology Research

Dr. John Denstedt

- Kathryn Burrill Leadership in Mission Award, St. Joseph's Health Care Foundation
- Outstanding Reviewer, African Journal of Urology
- One of Five Most Efficient Reviewers of 2016, International Brazilian Journal of Urology

Dr. Hon Leong

- USC Teaching Honour Roll Department of Microbiology & Immunology
- Prostate Cancer Canada/Movember Rising Star Award

Dr. Stephen Pautler

- Distinguished Alumni Award, Faculty of Science, University of Waterloo
- Division of Urology Residents Teaching Award, Western University, Schulich School of Medicine & Dentistry

Dr. Nicholas Power

- Ernsting *Entrepreneurship* Award, Catalyst Funding for "MY-osto-Me", Team Leader, FACIT Catalyst Fund
- Audience Choice Award for Best Pitch (Ernsting Entrepreneurship Award), FACIT Catalyst Fund
- FACIT Falson's Pitch Competition Winner, Fight Against Cancer Innovation Trust
- Innovation Fund Award 2015, Physicians of Ontario by IFPOC
- Honorary Class President, for Schulich Medicine Class of 2018, Schulich School of Medicine & Dentistry, Western University

Dr. Hassan Razvi

- Secretary, Canadian Urological Association
- Alternate Northeastern Section Rep to the American Urological Association Board of Directors
- Scientific Co-Chair, World Congress of Endourology
- First prize essay contest—D.OlveraPosada *KIM-1 is a potential urinary biomarker of obstruction: Results from a prospective cohort study in urological patients*, World Congress of Endourology annual meeting

Dr. Gregor Reid

- Inducted into The Royal Society of Canada

Dr. Alp Sener

- Leadership Program, one of 20 selected annually from North America, American Urological Association
- Poster of Distinction, 4th International Congress on H2S
- Poster of Distinction, American Transplant Congress annual meeting
- Best Presentation Transplantation, American Urological Association annual meeting
- Second Best Presentation Stone Diseases, American Urological Association annual meeting

Dr. Blayne Welk

- Department of Surgery Clinician Scientist Award
- Nomination by the Northeastern Section of the American Urologic Association Research Forum
- Judges Choice - Best Overall Submission, ImagineNation Data Impact Challenge II, Canada Health Infoway
- Best Poster of Session Northeastern Section of the American Urological Association
- Best Presentation, JK Wyatt Urology Residents Research Day (Dr. R. Clark), Schulich School of Medicine & Dentistry, Western University
- Best Poster of Session, American Urological Association

Grants

Academic Medical Organization of Southwestern Ontario (AMOSO):

- ◆ *Liquid biopsies for improved prostate cancer risk stratification and patient monitoring.* PI: **Pautler SE**, Co-Investigators: **Power N, Razvi H, Leong H** \$246,920
- ◆ *The Clinical Health Informatics Program (CHIP) at ICES Western.* PI: **Welk B** \$113,650
- ◆ *Translating the Clinical Utility of Circulating Cancer Micro-particle Enumeration for Determining Prognosis of Colorectal Cancer.* Co-PI: **H Leong**, B Fisher \$166,250

AUA Data Services Grant:

- ◆ *The impact of Choosing Wisely urology campaign on medical care in the United States and Canada.* PI: **Welk B**, Ordon M \$25,000

Canadian Glycomics Network 2016 Collaborative Team Grant:

- ◆ *Aberrant glycoforms in prostate cancer for next-generation liquid biopsies for cancer risk stratification.* Co-PI's: **Power N** \$61,000

Canadian Institutes of Health Research (CIHR):

- ◆ *Development of novel drosophila melanogaster models for human nephrolithiasis.* PI: **Leong H**, Co-Investigators: Razvi H, Spagnuolo P \$495,000

Canadian Society of Transplantation:

- ◆ *Evaluating the protective role of novel mitochondria targeted hydrogen sulphide donor molecule against ischemia reperfusion injury in a porcine model after cardiac death renal transplantation.* PI: **Sener A**, Saha M \$50,000

Cerebral Palsy Research Foundation: Pedal with Pete

- ◆ *Patient reported outcomes for bladder management strategie in cerebral palsy.* PI: Elliott S, Co-Investigator: **Welk B** \$25,000

Collaborative Research Seed Grant (CRSG):

- ◆ *Activation of the histone deacetylase 8 prevents cell death with kidney transplantation.* PI: Kim S, **Sener A** \$50,000

CUA Astellas Grant:

- ◆ *A randomized trial of transcutaneous nerve stimulation for overactive bladder patients.* PI: **Welk B** \$50,000

CUA Continuing Professional Development Grant:

- ◆ *Update on the surgical management of stress incontinence and the use of transvaginal mesh.* PI: **Welk B** \$28,000

Department of Defense

- ◆ *A novel urinary catheter with tailorable bactericidal behavior.* PI: **Razvi H**, Co-Investigator: **Burton J** \$468,695

Department of Surgery:

- ◆ *Biomarkers of Kidney Injury in a Urological Population.* PI: **H.Razvi**, Co-Investigators: J.Denstedt, S.Pautler, A.Sener \$ 20,000
- ◆ *Targeting TLR4 signalling to ameliorate kidney IRI.* PI: **P.Luke** \$20,000
- ◆ *Yield of prostate cancer microparticles after digital rectal examination of prostate cancer patients.* PI: **Pautler S**, Co-Investigator: N.Power \$18,000
- ◆ *Genetic analysis for renal cell carcinoma patient derived xenografts.* PI: **Power N** \$16,000
- ◆ *Do common urologic procedures increase the risk of an infected joint prosthesis?* PI: Punjani N, Co-Investigator: **Welk B** \$5,000
- ◆ *5-alpha reductase inhibitors and the risk of suicide and depression.* PI: **Welk B** \$10,000

FRSE, Western University:

- ◆ *Does real time physiological feedback improve the teacher-student interaction and learning during high stakes surgery?* PI: Sener A \$10,000

GlycoNet NCE, Collaboration Team Grant:

- ◆ *Aberrant Glycoforms in Prostate Cancer for Next-Generation Liquid Biopsies for Cancer Risk Stratification.* PI: **H.Leong**, Co-PI: **N.Power**, M Cox, K Williams, M Moussa, S Liu \$475,000

Janssen Oncology Clinical IIS Research Application

- ◆ *Oncosomes as a Real-Time Marker of Anti-Metastasis Treatment Response in CRPC.* PI: **H Leong** \$120,000

Kidney Foundation of Canada:

- ◆ *The development of drosophila melanogaster models for human nephrolithiasis.* PI: **Razvi H**, Co-Investigators: **Leong HS**, Ali SN \$150,000

Kimberly Clark Corporation:

- ◆ *Microbiota influence in incontinence.* PI: **Reid G, Burton JP** US \$290,000.

Lawson Health Research Institute (LHRI):

- ◆ *Development of surgical nerve-sparing techniques during RPLND for testis cancer using a novel pig model.* PI: **N.Power** \$15,000
- ◆ *Imaging inflammation to predict kidney function prior to transplantation.* PI: **Sener A**, Gill S \$50,000
- ◆ *The role of the microbiome in the development of inflammatory arthritis using an animal model of Rheumatoid Arthritis* Lawson Health Research PI: Barra L, Co-Investigator: **Burton J** \$15,000

Mitacs Accelerate :

- ◆ (in partnership with Lallemand, Montreal). *Deriving probiotics for male health.* PI: **Burton J** \$45 000

Pfizer IIS Grant:

- ◆ *Halting Metastatic Progression by Targeting Cancer Cell Extravasation.* PI: **H Leong** \$65,000

Prostate Cancer Fight Foundation – London Ride for Dad Grant:

- ◆ *Liquid Biopsies for Improved Monitoring of Low-Risk Prostate Cancer Patients on Active Surveillance.* PI: **H Leong** \$26,000

Rising Stars Grant #2, Prostate Cancer Canada/Movember Foundation:

- ◆ *Antagonizing Molecular Mechanisms Responsible for Cancer Cell Extravasation to Combat Prostate Cancer Metastasis.* PI: **H Leong**, Co-Mentor: J Chin, A Fenster, J Mymryk \$450,000

Schulich School of Medicine & Dentistry:

- ◆ *Outcomes of kidney/pancreas transplantation from donors after cardiac death: Does donor age matter?* PI: **Sener A** \$5,000

SIRF:

- ◆ *Genomic analysis of renal cell carcinoma patient derived xenografts to elucidate potential genetic biomarkers of resistance to targeted therapy.* PI: **Power N**, Co-PI: Leong H \$12,500

US Department of Defense Breast Cancer Research Program Breakthrough Award:

- ◆ *Polysialic acid as a mediator of breast cancer progression and a potential biomarker for risk stratification.* PI: K Williams, Co-I: **H Leong**, A Chambers, M Nitz \$1,275,537

Veenboer Foundation:

- ◆ *Probiotics: An alternative to antibiotics in the prevention of recurrent urinary tract infections.* PI: **Burton J** \$35,000

Western University Summer Research Training Program:

- ◆ *The effect of histone deacetylase 8 on ischemia/reperfusion injury induced kidney cell death and renal transplantation.* PI: **Sener A**, Kim S \$5,000

Publications

Aboalsamh G, Anderson P, Al-Abbassi A, McAlister V, **Luke PP, Sener A**. Heparin infusion in simultaneous pancreas and kidney transplantation reduces graft thrombosis and improves graft survival. *Clin Transplant*, 2016 Sept;30(9):1002-9

Al KF, Sarr O, Dunlop K, Gloor G, **Reid G, Burton JP***, Timothy RH*. (*Joint senior authors) Impact of birth weight and postnatal diet on the gut microbiota of young adult guinea pigs. *Peer J* 2016;5:e2840; DOI 10.7717/peerj.2840

Alenezi H, Olvera-Posaa D, Cadieux PA, **Denstedt JD, Razvi H**. The effect of renal cysts on the fragmentation of renal stones during shock-wave lithotripsy: A comparative in vitro study. *J Endourol* 2016 May;30(1):S12-S17

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