NEUROSURGE

MONTHLY UPDATES FROM THE CHAIRMAN’S OFFICE
UNIVERSITY OF TORONTO, DIVISION OF NEUROSURGERY

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FROM THE CHAIRMAN’S OFFICE

The 3rd Annual Alan and Susan Hudson Lectureship was hosted at Toronto Western Hospital on March 31, 2017. This year’s keynote speaker was Professor Raymond Sawaya, MD, Professor and Chairman, Department of Neurosurgery, The University of Texas MD Anderson Cancer Center. Dr. Sawaya presented an excellent lecture entitled “Extent of Resection for GBM: Where Do We Draw the Line?” The lecture was well attended with approximately sixty in the audience. We thank Hudson Chair in Neurooncology Dr. Fred Gentili and Ms. Sandi Amaral for organizing this year’s event. We are grateful to past Chairman of Neurosurgery and past CEO of University Health Network Dr. Alan Hudson and his wife Susan for their tremendous ongoing support of educational and research initiatives in our Division.
3rd Annual Alan and Susan Hudson Lectureship, Toronto, March 31, 2017. (L-R) Dr. Alan Hudson, past Chairman of Neurosurgery and past CEO, University Health Network (UHN); Dr. Peter Pisters, President and CEO, UHN; Dr. Raymond Sawaya, 2017 Hudson Visiting Professor; Dr. Fred Gentili, Hudson Chair in Neuro-oncology, UHN; and Dr. James Rutka, R.S. McLaughlin Professor and Chair, Department of Surgery, University of Toronto.

Vivek Bodani (PGY4; supervisor: Dr. James Drake, Head, Division of Neurosurgery, Hospital for Sick Children) won the AANS Neurosurgery Technology Development Grant, valued at $10,000 USD, for his project entitled "Development and validation of a high-fidelity surgical simulator for endoscopic colloid cyst resection." Vivek, who is pursuing his PhD degree with Dr. Drake, was the sole winner in this year’s competition. Congratulations on this achievement!

HONORS, GRANTS AND AWARDS

Gelareh Zadeh received a CIHR Operating Grant valued at $85,000 for the work entitled “Analyses of existing Canadian cohorts and databases related to reproductive, child and maternal health and Cancer Control.”

Andres Lozano (and Joyce Poon and Roman Genov, U of T Electrical & Computer Engineering) received a 3-year CIHR Collaborative Health Research Project Grant valued at $693,000 for the project entitled “Wireless neuroprobes for massively parallel optical and electrical interrogation of neurons.”

William Hutchison, Suneil Kalia, Mojgan Hodaie, and Andres Lozano received a two-year, $170,000 grant from the Dystonia Medical Research Foundation, Chicago, for the work entitled “Tremor, Oscillations, Synaptic Plasticity and DBS for Dystonia.”

Vivek Bodani (supervisor: James Drake) won the 2017 AANS Technology Development Grant.

Peter Shih Ping Hung and Sarasa Tohyama (supervisor: Mojgan Hodaie) received 2016-2017 scholarships from the University of Toronto Center for the Study of Pain.
UNIVERSITY OF TORONTO ALUMNI – WHERE ARE THEY NOW?

Dr. Charles Matouk BSc, MD, FRCSC

Charles Matouk is one of our more recent graduates, but has already embarked on a promising career in academic neurosurgery.

Charles studied Life Sciences at Marianopolis College (1993) and then completed a honours B.Sc. program in Microbiology, Immunology and Biotechnology at McGill University in 1996, where he won an award for Best Student Research. He then attended medical school at the University of Calgary, graduating in 1999. While in medical school, Charles won several more awards for Medical Student Research.

He trained in the University of Toronto Neurosurgery Program from 1999 to 2009, during which time he did research in vascular biology in the laboratory of Dr Philip Marsden. He was certified in neurosurgery by the RCPS(C) in 2009. During his time at U of T, Charles won the WJ Horsey Prize for Clinical Research, twice placed second in the Morley Prize for Basic Science Research, won the Ellen Epstein Rykov Memorial Prize of the U of T Faculty of Medicine, and earned the Sopman Humanitarian Award at the University Health Network.

From 2009 - 2011, Charles was a Clinical Fellow in Interventional Neuroradiology at U of T, and was a Clinical Associate in Neurosurgery at St. Michael’s Hospital. He then took up positions as Assistant Professor, Department of Neurosurgery, and Assistant Professor, Department of Radiology and Biomedical Imaging at Yale University School of Medicine in New Haven, CT, where he is currently engaged.

Charles practices neurosurgery and interventional neuroradiology at Yale. He holds and has held several administrative positions at Yale, including Director of
Charles has held and holds a number of grants and is involved in clinical trials in the management of aneurysmal SAH, carotid artery stenting, and the treatment of intracerebral and intraventricular hemorrhage. He has been a frequent invited speaker, nationally and abroad, mainly on topics of cerebrovascular neurosurgery. He speaks with increasing frequency at national and international meetings, as well as educational fora at Yale. Charles has been a peer reviewer for grant applications, serves on an editorial board and has been an ad hoc reviewer for several neuroscience journals. He has helped in the organization and planning of scientific symposia and meetings at home and internationally, and serves on boards and committees at Yale - New Haven Hospital. He has supervised several Endovascular Neurosurgery Fellows at Yale. Charles has an enviable and growing list of journal publications, book chapters, reviews, case reports, technical notes and published letters.

Charles is married to Michelle, a former Neuro-ICU nurse at St. Michael’s Hospital. Charles and Michelle have three young children, William (7), Matthew (6) and Caroline (3). They spend any spare time watching the children play hockey or on family ski trips to nearby Vermont.

- By Bill Tucker

PUBLICATIONS

*We report this month on 35 publications:*


Tetreault L, Nagoshi N, Nakashima H, Singh A, Kopjar B, Arnold P, Fehlings MG. Impact of Depression and Bipolar Disorders on Functional and Quality of Life Outcomes in Patients


VISITING PROFESSORSHIPS


Mark Bernstein was a Guest Lecturer at West Virginia University. “Errors and the Neurosurgeon.” March 2017. Morgantown, West Virginia.

Michael Tymianski was a Lecturer and Teacher at the Adelaide Microvascular Anastomosis Course at the Royal Adelaide Hospital. March 17-18, 2017. Adelaide, Australia.


Michael Fehlings was the Co-organizer of the Banff Fellows Forum. He was also a Moderator of the keynote lecture, “The History of Spinal Deformity: Ancient India to Today.” March 23-26, 2017. Banff, Alberta.

Andres Lozano was an Guest Speaker at the 101st Hospital of the PLA. “The possibility of Surgery for Alzheimer’s disease.” April 1-2, 2017. Wuxi, China.


Andres Lozano was an Invited Lecturer at the Hospital Clinic Barcelona: “Adjusting the Activity of Dysfunctional Brain Circuits.” March 8, 2017. Barcelona, Spain.

Andres Lozano was Co-Organizer and Speaker at the World Society for Stereotactic and Functional Neurosurgery (WSSFN) DBS Unmet Needs project meeting. “Deep Brain
Stimulation (DBS) and related techniques - what disorders are being treated, including epidemiology and possible numbers of patients?” March 9-11, 2017. Barcelona, Spain.

Suneil Kalia, James Drake, Michael Fehlings and Andres Lozano participated in the University of Toronto Surgeon-Scientist Training Program Career Night. 1) “Generalization vs. specialization in research topics/publications” 2) “Applying for a job. How can we use our research profile strategically heading into interviews for a faculty position?” March 20, 2017. Toronto, Ontario.

IN THE MEDIA

Taufik Valiante’s work on music therapy as a treatment for epilepsy is featured in a Newswire article. The piece can be accessed at: http://www.newswire.ca/news-releases/canadas-first-music-therapy-clinical-research-study-for-people-with-epilepsy-616901894.html

PDFs OF THE MONTH


UPCOMING MEETINGS

April 2017


May 2017


June 2017

14th Annual Neurosurgery Charity Softball Tournament. June 3, 2017. All American Association of Neurological Surgeons (AANS) members are invited. For more information regarding the tournament and post-tournament reception, visit www.neurocharitysoftball.org.

SpineFEST 2017. Keynote speaker: Professor Zoher Ghogawala, MD, FACS, Charles A. Fager Chair of Neurosurgery, Lahey Hospital and Medical Center; Professor of Neurosurgery at Tufts University School of Medicine. June 12, 2017.


September 2017


October 2017


RESIDENTS’ CORNER

New Combined Master’s Degree and Simulation Fellowship
Lahey Hospital & Medical Center in Burlington Massachusetts and McGill University in Montreal have established a two-year combined Simulation Fellowship in Health Professions Education with a Master’s Degree in Education. The goal of this fellowship is to create leaders in medical and surgical education who are particularly interested in the use of simulation training to maximize student learning and help achieve institutional educational, patient safety and quality goals. For more information, please see attached fellowship description.
**Brain School Schedule & Events**
thebrainschool.net

**Brain School Schedule & Events - thebrainschool.net**
APRIL to JUNE 2017

- **Friday, April 7, 2017**
  Toronto Western Hospital, Main Pavilion 15th Floor Solarium
  0900-1200

  Mark Spine In-Training Exam with Dr. E. Massicotte

- **Friday, April 21, 2017**
  Toronto Western Hospital, Main Pavilion 15th Floor Solarium
  0900-1200

  Dr. Peter Dirks: Cervical spine trauma
  Dr. Susanne Laughlin: Pediatric spinal imaging
  Dr. Peter Dirks: Myelomeningocele

- **Friday, April 28, 2017**
  Department of Surgery 43rd Gallie Day
  MaRS Centre Lower Concourse
  101 College Street

  0730: Continental Breakfast and Registration
  0745: E-Poster Setup
  0800: Opening Remarks
  0815-0930: Gallie-Bateman and McMurrich Research Presentations
  0930-1030: E-Poster Judging
  1030-1200: Symposium: Regenerative Medicine Solutions for Human Disease: Where are we now? Where are we going?
  1200: Lunch and E-Poster Viewing
  1300: GORDON MURRAY LECTURE

  Allan D. Kirk, MD, PhD, FACS
  David C. Sabiston, Jr. Professor and Chairman, Department of Surgery Duke University School of Medicine; Surgeon-in-Chief, Duke University Health System, Durham, NC USA

  "Costimulation blockade for organ transplantation"
1400-1620 Gallie-Bateman and McMurrich Research Presentations

(See attached for full program)

Friday, May 5, 2017
Toronto Western Hospital, Main Pavilion 15th Floor Solarium
0900-1200

Pediatric Block – to be announced

Friday, May 12, 2017
Pediatric Neuroendoscopy Course
Course Director: Dr. James Drake
Mount Sinai Hospital, Surgical Skills Centre, Level 2
0830-1600

Limited Spots
Sign up ASAP: Catherine Boutsis catherine.boutsis@sickkids.ca

Friday, May 19, 2017
Skull Base Symposium
0800-1600
St-Michael’s Hospital, Li Ka Shing Knowledge Institute, Auditorium, Room 209

Sponsored by the U of Toronto Diagnostic Neuroradiology Fellowship Program (Dr. Pejman Maralani, Program Director)
Program will provide an overview of the skull base anatomy and its main pathologies, and explore their clinical management, including surgical and radiation considerations.

Course is free for residents, but you must register
Registration deadline: May 12, 2017

(See attached program and registration form)
Friday, May 26, 2017

2017 E. Bruce Hendrick

Visiting Professor of Paediatric Neurosurgery

University of Toronto and The Hospital for Sick Children

Guest Lecturer:
Professor Michel Zerah
Chef de Service
Service de Neurochirurgie Pediatrique
Groupe hospitalier Necker Enfants Malades
Universite Paris V. Rene DESCARTES
Paris, France

Sickkids Peter Giligan Centre for Research and Learning Tower, 686 Bay Street, 2nd Floor, Event Room 1

0700-0800: Lecture by Professor Michel Zerah
0800-0830: Coffee Break
0830-1200: Resident Seminar

Further details to follow

Friday, June 2, 2017

Resident Seminar cancelled due to 14th Annual Neurosurgery Charity Softball Tournament in Central Park, NYC (Saturday, June 3, 2017 from 8am-7pm)

Friday, June 9, 2017

Toronto Western Hospital, Main Pavilion 15th Floor Solarium
0900-1200

Dr. Doug Cochrane: Hydrocephalus and shunt complications
Dr. Doug Cochrane: Lipomyelomeningocele, dermal sinus tract, tethered cord
Dr. Abhaya Kulkarni: Arachnoid and posterior fossa cysts
Dr. Abhaya Kulkarni: Slit-ventricle syndrome

Monday, June 12, 2017

SpineFEST 2017
0700-1600
MaRS Centre Lower Concourse
101 College Street
Keynote Speaker
Professor Zoher Ghogawala
Charles A. Fager Chair of Neurosurgery, Lahey Hospital and Medical Center
Professor of Neurosurgery, Tufts University School of Medicine

Keynote Address:
0800-0915: Professor Zoher Ghogawala
“The search for truth in spinal surgery”

Thursday, June 15, 2017

2017 Keith Lectureship Dinner & Division of Neurosurgery Graduation Ceremony

6:00 pm  Reception (Venue tbd)
7:00 pm  Dinner (Venue tbd)

Friday, June 16, 2017

2017 William S. Keith Lectureship
Toronto Western Hospital, Krembil Discovery Tower, BMO Education & Conference Centre
0800-1700

Guest Lecturer:
Dr. Kee Park
Paul Farmer Global Surgery Scholar, Program for Global Surgery and Social Change, Department of Global Health and Social Medicine, Harvard Medical School, USA

Theme dedicated to International Neurosurgery
Further details to follow

RESIDENCY PROGRAM COMMITTEE MEETING
Monday, April 17, 2017, 7 a.m., TWH, WW 4-430

NEUROSURGERY CABINET MEETING
Tuesday, April 18, 2017, 7 a.m., TWH, WW 4-438