

DEPARTMENT OF SURGERY'S 50TH GALLIE DAY

Friday May 3 2024 | MaRS Auditorium

THE IMPACT OF GLOBAL SURGERY ON HUMAN HEALTH

Event Chair: Dr. Michael Fehlings, Vice Chair Research
 Session Coordinators: Dr. Anna Dare, Dr. J. Andrea McCart, and Renata Musa

7:30 - 8:00 BREAKFAST

8:00 - 8:10 Opening Remarks: Dr. Michael G. Fehlings, Dr. Carol Swallow

GALLIE-BATEMAN, MCMURRICH AND TRANSLATIONAL RESEARCH PRESENTATIONS | Session Chair: Mojgan Hodaie

8:10 – 8:25 **Julian Daza (SSTP)**, Peter Smith, Shabbir Alibhai, Erin Kennedy, Duminda Wijeyesundera, FIT After Surgery Investigators: *“Impact of Preoperative Frailty on Significant Postoperative Disability in Older Patients Following Major Surgery: A Multicenter Prospective Cohort Study”*

8:25 – 8:40 **Jack W. Hickmott**, Gajeni Prabaharan, Tom Enbar, Ricky Siu, Varanan Vejeaythaas, Kriesha Eyer, Cindi M. Morshead: *“Turning Astrocytes into Neurons: Developing Gene Therapy Approaches to Repair the Stroke Injured Brain”*

8:40 – 8:55 **Chloe R. Wong (SSTP)**, Alice Zhu, Helene Retrouvey, Heather L. Baltzer, Christopher Witiw: *“Cost-Utility Analysis of Trapeziectomy and Ligament Reconstruction Tendon Interposition vs. Suture Suspension Arthroplasty for Thumb Carpometacarpal Joint Osteoarthritis”*

8:55 – 9:10 **Kumi Mesaki**, Haruchika Yamamoto, Stephen Juvet, Jonathan Yeung, Zehong Guan, Akhi Akhter, Cameron Dickie, Henna Mangat, Aizhou Wang, Gavin W. Wilson, Andrea Mariscal, Jim Hu, Alan R. Davidson, Benjamin P. Kleinstiver, Marcelo Cypel, Mingyao Liu, Shaf Keshavjee: *“Genome Editing to Immunologically Modify Donor Lungs for Transplantation Using CRISPR-Cas Technologies”*

9:10 – 9:25 **Alex Landry (SSTP)**, Jeff Zuccato, Vikas Patil, Mat Voisin, Justin Wang, Yosef Ellenbogen, Chloe Gui, Andrew Ajisebutu, Farshad Nassiri, Gelareh Zadeh: *“Integration of CSF Methyloyme and Proteome Can Obviate the Need for Surgical Biopsy in CNS Lymphoma”*

9:25 – 9:40 **Kevin R. An**, Dominique Vervoort, Feng Qiu, Derrick Y. Tam, Rodolfo V. Rocha, Lamia Harik, Sameer Hirji, Mario F.L. Gaudino, Harindra C. Wijeyesundera, Stephen E. Fremes: *“Long-term Outcomes of Percutaneous Coronary Intervention versus Coronary Artery Bypass Grafting in Women with Severe Coronary Artery Disease”*

9:40 - 10:40 E-POSTER PRESENTATIONS

10:40 – 11:40 GORDON MURRAY LECTURE

Professor John Meara

- Founder and Director Emeritus, Program in Global Surgery and Social Change (PGSSC), Department of Global Health and Social Medicine and Professor of Surgery, Pediatric Plastic Surgery, Harvard Medical School.
- Plastic Surgeon-in-Chief, Department of Plastic & Oral Surgery and Chair of the Medical Staff Executive Committee at Boston Children's Hospital.

“The Peace of Westphalia, Global Surgery and Social Change”

11:40 - 12:30 BREAK FOR LUNCH

12:30 - 13:30 E-POSTER PRESENTATIONS

SYMPOSIUM: GLOBAL SURGERY AND SOCIAL CHANGE

13:30 – 13:40 Session Chair: Dr. Michael G. Fehlings, Vice Chair Research

13:40 – 13:55 **Dr. Anna Dare**: *“Who counts? How collaborative research networks are changing our understanding of global surgical access, quality and outcomes”*

13:55 – 14:10 **Dr. Rajiv Singal**: *“Building urological capacity in Malawi”*

14:10 – 14:25 **Dr. Jeffrey Fialkov**: *“Bringing ambulatory plastic surgery to Canada's Far North”*

Dr. Syena Moltaji: *“True North: Quality improvement of plastic surgical care in the Northern Canadian Territory of Nunavut”*

14:25 – 14:40 **Dr. Michael Chua**: *“Initial report on Collaborative Global Surgery Education Program utilizing mixed method of in-person and augmented reality (AR) technology”*

14:40 – 15:00 Panel discussion

GALLIE-BATEMAN, MCMURRICH AND TRANSLATIONAL RESEARCH PRESENTATIONS | Session Chair: Dr. Kathryn Howe

15:00 - 15:15 **Edgar Akuffo-Addo**, Jaycie Dalson, Kwame Agyei, Samiha Mohsen, Safia Yusuf, Clara Juando-Prats, Jory S Simpson: *“Barriers to Black Medical Students and Residents Pursuing and Completing Surgical Residency in Canada: A Qualitative Analysis”*

15:15 – 15:30 **Malak Elbatarny (SSTP)**, Uros Kuzmanov, Daniella Eliathamby, Vivian Chu, Rashmi Nedadur, Cristine Reitz, Raymond Kim, Craig Simmons, Jennifer CY Chung, Bo Wang, Maral Ouzounian, Anthony O Gramolini, on behalf of the MultiTAAD: *“Deep Multiproteomic Analysis of Human Thoracic Aortic Aneurysms and Dissection: Results from the MultiTAAD”*

15:30 – 15:45 **Hoyee Wan**, Danny D Dinh, Darcy Lidington, Steffen Sebastian Bolz: *“Female Mice Display Sex-Specific Differences in Cerebrovascular Function and Subarachnoid Haemorrhage-Induced Injury”*

15:45 – 16:00 **Ben Li (SSTP)**, Derek Beaton, Naomi Eisenberg, Douglas S Lee, Duminda N Wijeyesundera, Thomas F. Lindsay, Charles de Mestral, Muhammad Mamdani, Graham Roche-Nagle, Mohammed Al-Omran: *“Using Machine Learning to Predict Outcomes Following Carotid Endarterectomy”*

16:00 – 16:15 **Laura Kondrataviciute**, Ignas Kondratavicius, Minesh Kapadia, Hien Chau, Jimmy George, Erdost Yildiz, Taufik Valiante, Luka Milosevic, Lorraine V. Kalia, Suneil K. Kalia: *“Depressive-Like Phenotype Induced by AAV-Mediated Overexpression of Human A-Synuclein in Midbrain Dopaminergic Neurons”*

16:15 – 16:30 **Johnathan R. Lex (SSTP)**, Aazad Abbas, Jay Toor, Elias B. Khalil, Bheeshma Ravi, Cari Whyne: *“Improving Elective Arthroplasty Procedure Scheduling with Machine Learning Prediction and Optimization”*

16:30 **Wrap-up/Closing Remarks** - Dr. Michael Fehlings & Dr. Carol Swallow

GORDON MURRAY BANQUET

[Registration Link](#) | Location: Park Hyatt Toronto, 4 Avenue Rd, Toronto, M5R 2E8

19:00 Cocktail Reception

20:00 Dinner & Awards Ceremony