



# THE ROLE OF THE TRAINEE IN GLOBAL SURGERY

## EVENT PROGRAM

**FRIDAY MAY 25TH  
SATURDAY MAY 26TH  
SUNDAY MAY 27TH  
2018**

**WOMEN'S COLLEGE HOSPITAL | AUDITORIUM  
TORONTO, ON | CANADA**



# WELCOME

It is with great pleasure that we welcome you to city of Toronto and to the 2018 Bethune Round Table in Global Surgery!

The Bethune Round Table came to fruition 18 years ago right here in Toronto. The event has rapidly gained international reputation for being so much more than an academic weekend: It is a collaborative and interdisciplinary opportunity for healthcare providers all over the world to build meaningful strategies and powerful relationships that will ultimately enhance global surgical care. We know that you will find every aspect of this weekend conducive to these goals, from chatting over your lunch break to listening to a panel.

The theme of *The Role of the Trainee* is central both to the University of Toronto and to capacity-building in global surgery. We believe that medical professionals need not wait to have impact: The opportunities and needs exist right now. The provision of equitable and high-quality surgical care in low- and middle-income depends on preparedness of local healthcare providers from an early stage in their careers. These providers can educate subsequent generations of students to consistently grow the number of adept professionals that can properly serve their community's needs.

Of course - none of this can be done alone. Teamwork is integral to health-systems changes, whether it is consultation over a complicated case or the implementation of a new legal policy. We hope that you take advantage of the diverse weekend agenda to collaborate with your new peers, and find yourself both challenged and inspired.

Sincerely,

The 2018 Bethune Round Table Planning Committee

# WITH MANY THANKS

The 2018 Bethune Round Table would not be possible without gracious contributions from our sponsors and donors. We would like to acknowledge the following institutions and individuals for their recognition of the importance of global surgery:



**Dr. Mark Bernstein**

Greg Wilkins-Barrack Chair in International Surgery | Toronto Western Hospital | Department of Surgery, U of T

**Dr. Massey Beveridge**

Department of Surgery, U of T

**Dr. Lee Errett**

Professor of Global Surgery; Department of Surgery, U of T

**Dr. Andrew Howard**

2018 Bethune Chair | Director of the Office of International Surgery | The Hospital for Sick Children | Department of Surgery, U of T

**Dr. Ronald Lett**

Founder; Canadian Network for International Surgery | Department of Surgery, University of British Columbia



*A special thank you to Mr. Ash Prakash for his ongoing support of global health and the A.K Prakash Foundation Fellowship in International Medicine at the University of Toronto.*

# EVENT VENUES

**The Opening Reception: Thursday May 24th. 6pm**  
St. Michael's College – The Charbonnel Lounge  
81 St Mary Street | Toronto ON | M5S 1J4



Located within the University of Toronto's main campus, SMC is a 12 minute walk from the Chestnut Residence.

**By bus:** Take the 6A North and exit at Bay, head north towards Charles Street West, make a u-turn on Charles Street, and turn right onto St. Mary Street.

**By subway:** Enter at St. Patrick station northbound and exit at Museum station. Head south on the stairs toward St. Mary and turn right onto St. Mary Street, turning slightly left to stay on St. Mary Street. SMC will be on your left.

**The Conference: Friday May 25th - Saturday May 26th, 8:30am-5pm**  
Women's College Hospital Auditorium  
87 Grenville Street | Toronto ON | M5S 1B2



**By subway:** College or Queen's Park station.

**By foot:** A 12 minute walk from Chestnut Residence. Head north on Chestnut, turn left on Elizabeth & left to stay on Elizabeth. WCH will be to your right.

Closest major intersection: Bay & College.

**WIFI:**  
**Network:** WC\_Guest  
**Password:** WomensCollege

**The Banquet Dinner: Saturday May 25th, 7pm**  
The Faculty Club – Wedgwood Room  
41 Willcocks Street, Toronto, ON M5S 3G3



By bus/streetcar: The 510 North runs along Spadina and stops directly at Wilcocks Street.

Closest major intersection: Spadina & College.

The Wedgwood Room is on the 2nd floor.

**Workshop #1, Globalization in Surgical Education: Sunday May 27<sup>th</sup>,  
9am – 3pm**

**Peter Gilgan Centre for Research and Learning**

**686 Bay Street | Toronto ON | M5G 0A4**



By subway: College, Queen's Park, or St. Patrick stations are within 5 minutes walking distance.

Closest major intersection: Bay & Gerrard.

## **JOIN THE CONVERSATION!**

We encourage you to tweet throughout the weekend, whether it's a photo, interesting quote, or comment. Use the handle [@BethuneRound](https://twitter.com/BethuneRound) and hashtags [#BRT2018](https://twitter.com/BRT2018) and [#Bethune2018](https://twitter.com/Bethune2018) in your tweets.



## POSTER PRESENTATIONS: FRIDAY & SATURDAY

The Current State and Future of Epilepsy Surgery in Low- and Middle-Income Countries: A Systematic Review and Meta-Analysis  
Aram Abbasian | University of Toronto (Canada)

Collaborative Effort for Intensive Care Unit in Enugu, Nigeria  
Obinna Ajuzieogu | University of Nigeria (Nigeria)

Pediatric Musculoskeletal Disease in Kumi District, Uganda: A Cross-Sectional Survey  
Kristin Alves | Harvard Medical School (USA)

Global Surgery Does Not Belong to the English Language: The Power of Student Networks to Coordinate, Translate, and Advocate for Global Surgery with Linguistic Equality  
Zineb Bentounsi | International Student Surgical Network (Morocco)

Capturing Injury Mortality Data Through Hospital-Based Trauma Registries in Low-Resource Settings: The Bolivian Trauma Initiative Experience  
Marissa Boeck | New York-Presbyterian Hospital (USA)

Establishing an Operative Room Registry in the Rural Setting:  
A Team-Based Collaborative in Nalerigu, Ghana  
Natasha Caminsky | McGill University (Canada)

Practices and Perspectives of Traditional Bone Setters in Northern Tanzania  
Elizabeth Card | University of Pennsylvania (USA)

Mapping Pediatric Burn Injury Prevention in Global Surgery: A New Role for Trainees  
Karen Chung | University of Toronto (Canada)

Burn Scorings in a Resource-Limited Context: Calibrating their Mortality-Predicting Utility in Uganda  
Gustaf Drevin | Harvard Medical School (USA)

Evaluating the Impact of Global Surgery Education Opportunities on Building Student and Resident Capacity in the U.S.  
Parisa Fallah | Harvard Medical School (USA)

UK Plastic Surgery Trainee Involvement in Global Surgery: The Current Situation and Future Direction

Matt Fell | Royal Devon and Exeter Hospital (UK)

Using mHealth Technology to Assist CHWs in Identifying Surgical Site Infections in Rural Rwanda

Magdalena Gruendl | Partners in Health, Rwanda; Harvard Medical School (Rwanda/USA)

Understanding the Demographics of Trauma: A Retrospective Review of Trauma Cases in Western Kenya

Jessica Hogan | University of Alberta (Canada)

Are Global Surgery Initiatives Sustainable? A Systematic Review on Sustainability Criteria in Global Surgery Initiatives between North American and LMICs

Nicole Jedrzejko | University of British Columbia (Canada)

To Teach a Man to Fish: Introducing Medical Trainees to Global Surgery

Dalia Karol | University of Ottawa (Canada)

Strengthening Surgical Quality Indicator Data Collection and Reporting in Rural Tanzania

Salome Kuchukhidze | Harvard Medical School (USA)

Medical Student Perceptions of Surgical Care:

Is it Preventative or Cost-Effective in Underserved Settings?

Ambar Mehta | Johns Hopkins University

Prediction of Early Survival in Spina Bifida Infants by Using a Modified Severity Scale

Grace Muthoni Thiong'o | University of Nairobi (Kenya/Canada)

Prevalence of Urogynecology Symptoms in a Rural Population in Western Uganda

Tushambe Mutungi | University of Toronto (Canada)

Outcomes in Orthopedic Trauma in Rwanda: A Prospective Cohort Study of Non-Operative vs. Operative Management in Two Low-Resource Public Hospitals

Luke Myhre | University of Virginia (USA)

Adherence to Guidelines of Surgical Antibiotics Prophylaxis: A Retrospective Cohort Study at Georgetown Public Hospital Corporation, Guyana

Vickita Nandan | Georgetown Public Hospital Corporation (Guyana)

Global Health Opportunities During Anesthesiology Residency Training: A Canadian Perspective

Bethany Oeming | University of Western Ontario (Canada)

Health Literacy Assessment During a Pediatric Orthopedic Mission to a Low-Resource Setting

Rameez Qudsi | Harvard Medical School  
(USA)

Building Pediatric Surgery into Global  
Surgery: Current Practice Patterns and  
Strategies for Improvement

Etienne St-Louis | McGill University  
(Canada)

Decentralization and Regionalization of  
Surgical Care: A Review of Evidence for  
the Optimal Distribution of Surgical  
Services in LMICs

Emma Svensson | Lund University  
(Sweden)

Visualizing Surgical Mission Catchment in  
Mexico Using Geospatial Technologies

Beau Sylvester | Children's Hospital Los  
Angeles (USA)

Surgical Site Infection After  
Gastrointestinal Surgery in High-Income,

Middle-Income, and Low-Income  
Countries: A Prospective, International,  
Multicentre Cohort Study

Stephen Tabiri | Global Surgery  
Collaborative (Ghana)

Challenges to Surgery in Sierra Leone  
Hospitals: Surgical Provider Perspectives

Spencer Wilson | King's College London  
(UK)

The Evolution of Medical Training Centre  
in Congo

Philip Wood | Centre Medical  
Evangelique, DR Congo (Canada)

Global Assessment in Pediatric Surgery  
(GAPS): Development of an Assessment-  
Based Pediatric Surgical Capacity and  
Training Tool for Resource-Limited  
Settings

Yasmine Yousef | McGill University  
(Canada)



# FRIDAY MAY 25TH 2018: DAY 1

- 7:30 AM Registration & Breakfast
- 8:30 Opening Remarks  
Andrew Howard | 2018 Conference Chair, University of Toronto (Canada)  
James Rutka | McLaughlin Chair of Surgery, University of Toronto (Canada)
- 9:00 **Ab Guha Keynote Lecture**  
*Introduction: Mark Bernstein | Ab Guha Lecture Chair (Canada)*  
  
**Training for a Career in Surgery, Science, and Global Health**  
Faith Muchemwa | University of Zimbabwe College of Health Sciences (Zimbabwe)
- 10:00 Coffee Break
- 10:30 **Abstract Session 1: Clinical Problems and Solutions in Global Surgery**  
*Introduction: Omar Selim | University of Toronto (Canada)*  
  
[10:30] **Implementing Ultrasound-Guided Hydrostatic Reduction of Intussusception in a Low-Resource Country in Sub-Saharan Africa**  
Amezene Tadesse | Addis Ababa University (Ethiopia)  
[10:40] **Mesh Repair Not Standard During Inguinal Hernia Surgery in Northern Ghana**  
Stephen Tabiri | Tamale Teaching Hospital (Ghana)  
[10:50] **Infections in a Tertiary Referral Hospital ICU in Rwanda**  
Jean Paul Mvukiyehe | University of Rwanda (Rwanda)  
[11:00] Discussion  
[11:15] **Endoscopic Treatment vs. Shunting for Infant Hydrocephalus in Uganda**  
Abhaya Kulkarni | The Hospital for Sick Children (Toronto)  
[11:25] **Feasibility of Phone Surveys to Monitor Post-Discharge Functional Outcomes**  
Luke Myhre | University of Virginia (USA)  
[11:35] **Applying WhatsApp Communication to Pediatric Burn Care in a Developing Country**  
Alan David Rogers | Sunnybrook Health Sciences Centre (Toronto)  
[11:45] Discussion
- 12:00 PM Introduction to poster displays
- 12:05 Lunch  
Poster Displays

1:00

**Keynote Lecture**

*Introduction: Anna Dare | University of Toronto (Canada)*

**Building Longterm Training Partnerships in Global Health**

Robert Riviello | Brigham-Women's Hospital, Harvard Medical School (USA)

2:00

**Special Session 1: Concurrent Panels**

[Auditorium]

**P1. From Workforce Crisis to Workforce Planning: Models for Training and Retaining Under-Resourced Communities**

*Moderator: Joshua Ng-Kamstra | University of Toronto (Canada)*

**Competency-Based Surgical Training in Low-Resource Settings**

Beau Sylvester | Children's Hospital Los Angeles (USA)

**Lessons and Educational Outcomes of a High-Risk Community-Based Otolaryngology Outreach Clinic**

Michael Yong | University of British Columbia (Canada)

**South African Surgeons are Appropriately Trained for Humanitarian Surgery**

Linda Pohl | University of Cape Town

**Training for Global Surgery: A Canadian Military Perspective from Iraq**

Mark DaCamba | Canadian Armed Forces (Canada)

**Profiling Recent Medical Graduates Planning to Pursue Surgery, Anesthesia, and Obstetrics in Brazil**

Jania Arcia Ramos | Program in Global Surgery and Social Change

Panelists:

Jean Chamberlain | Save the Mothers International (Canada)

Robert Riviello | Brigham-Women's Hospital, Harvard Medical School (USA)

Faith Muchemwa | University of Zimbabwe College of Health Sciences (Zimbabwe)

Prakash Fellowship Panelists:

Faith Muchemwa, James Balogun, Samuel Hailu, Gelatew Tessema, Tihitena Negussie, Grace Muthoni, Tewodros Zerfu

[The Pink Cube]

**Surgical**

**P2. Can Technology Transform How We Teach Research and Deliver Care in Under-Resourced Settings?**

*Moderator: Maeve Trudeau | University of Toronto (Canada)*

**Trauma Registries in Low- and Middle-Income Countries: Challenges and Outcomes Across 6 Sites in Tanzania**

Natasha Caminsky | McGill University (Canada)

**Nothing About Us Without Us: Global Surgery Development and Advocacy Through Research Mentoring for Surgical Trainees and Providers in Resource-Limited Settings**

Luc Malemo | HEAL Africa (Democratic Republic of the Congo)

**A Geospatial and Cost Analysis of Trauma in Rural Northeastern Uganda**

Nicole Lin | University of Miami - Miller School of Medicine (USA)

**Facilitating Access to Surgical Devices in Sierra Leone and Ghana Through Transnational Funders**

Dinsie Williams | University of Toronto (Canada)

Panelists:

Omar Selim | University of Toronto (Canada)

Marissa Boeck | New York Presbyterian Hospital (USA)

Mojgan Hodaie | Toronto Western Hospital (Canada)

Alexander Peters | Weill Cornell Medical College (USA)

3:00 Coffee Break

3:30 **Abstract Session 2: Training Programs and Trainee Involvement**

*Introduction: Lee Errett | University of Toronto (Canada)*

[3:30] **Development and Introduction of a Learner-Driven Trauma Registry in a Tertiary Ugandan Referral Hospital**

Martin Situma | Mbarara University of Science and Technology (Uganda)

[3:40] **Primary Trauma Care: A Trauma Training Course for Low-Middle Income Countries**

Rashid Jooma | The Aga Khan University (Pakistan)

[3:50] **Development of the VAST Course: Vital Anesthesia Simulation Training**

Adam Mossenson | Dalhousie University (Canada)

[4:00] Discussion

[4:15] **Development and Delivery of a Standardized Investigator Training Package for a Multi-Centre Interventional Trial Across Low, Middle, and High Income Settings**

James Glasbey | University of Birmingham (United Kingdom)

[4:25] **Neonatal and Pediatric Surgery Across Sub-Saharan Africa**

Luc Malemo | HEAL Africa (Democratic Republic of the Congo)

[4:35] **Prevalence of Burnout Among Anesthesia Trainees in Southeast Nigeria**

Obinna Ajuzieogu | University of Nigeria (Nigeria)

[4:45] Discussion

5:00      **Day 1 Synthesis**

Evening      **Free time**

# SATURDAY MAY 26TH 2018: DAY 2

7:30 AM Registration & Breakfast

8:30 **Special Session 3: Presentation and Panel – The Role of the Trainee**

*Moderator: Anna Dare | Resident, University of Toronto (Canada)*

## **Student Advocacy in Advancing Global Surgery Worldwide**

Parisa Fallah | Harvard Medical School (USA)

Zineb Bentounsi | Faculté de médecine et de pharmacie de Casablanca (Morocco)

Godfrey Sama | Muhimbili University of Health & Allied Sciences (Tanzania)

## **Results of a Six Year UK-Ethiopia Reconstructive Surgical Trainee**

### **Collaborative**

Matt Fell | Royal Devon and Exeter Hospital (UK)

## **Global Health Opportunities During Anesthesia Training: A Canadian Perspective**

Bethany Oeming | Schulich School of Medicine (Canada)

## **Promoting Innovation for Global Surgery Needs Among Engineering Students in Rural India**

Alexander Peters | Weill Cornell Medical College (USA)

## **General Surgery Trainees Perform the Majority of Non-Trauma Emergency Laparotomies at Teaching Hospitals in Rwanda and South Africa**

Linda Pohl | University of Cape Town

### Panelists:

Samuel Hailu | Addis Ababa University (Ethiopia)

Claire Karekezi | University of Toronto (Canada/Rwanda)

Shambe Mutungi | University of Toronto (Canada)

9:30 **Abstract Session 3: Promoting Maternal and Child Health Within Surgery**

*Introduction: Joshua Ng-Kamstra | University of Toronto (Canada)*

### **[9:30] Enhanced Recovery After Surgery vs. Standard Recovery for Emergency Caesarean Deliveries at Mbarara Hospital, Uganda: A Randomized Control Trial**

Moris Baluku | Mbarara University of Sciences and Technology (Uganda)

### **[9:40] Factors Limiting the Provision of Safe Obstetric Anesthesia**

Isabella Epiu | Kenyatta University (Kenya)

### **[9:50] Discussion**

### **[10:00] Assessing Social Determinants of Health-Seeking Behaviour for Delivery Among Pregnant Women in Malawi**

Rachel Yorlets | Boston Children's Hospital, Harvard Medical School (USA)

[10:10] **Procedural Sedation in Low-Income Countries**  
Rediet Shimeles | Addis Ababa University (Ethiopia)  
[10:20] Discussion

10:30 Coffee Break

11:00 **Special Session 2: Canadian Network for International Surgery**  
*Introduction: Maeve Trudeau | University of Toronto (Canada)*

**Gender & Global Health: Canadian Policy and What it Means for You**  
Jan Christilaw | Canadian Network for International Surgery

11:45 **Overview of Bethune 2019**  
Abdullah Saleh, Vanessa Fawcett, and Jessica Hogan | University of Alberta

12:00 Lunch  
Poster Displays

1:00 **Keynote Lecture & Panel**  
*Introduction: Massey Beveridge | University of Toronto*

**Collaboration, Training, and Retention for Anesthesiology in Rwanda**  
Teresa Skelton | Hospital for Sick Children (Canada)

Panelists:

Patricia Livingston | Dalhousie University (Canada)  
Adam Mossenson | Dalhousie University (Canada)  
Paulin Ruhato Banguti | University of Rwanda (Rwanda)

1:45 Coffee Break

2:15 **Abstract Session 4: Health Systems Costs and Planning**  
*Introduction: Rajiv Singal | University of Toronto (Canada)*

[2:15] **External Injuries, Trauma, and Avoidable Deaths in Rural South Africa**

Idara John Edem | University of Ottawa (Canada)

[2:25] **The Financial Burden of Road Traffic Injuries in Mozambique**

Prem Yohannan | Maputo Central Hospital (Mozambique)

[2:35] Discussion

[2:45] **Rethinking Referral Systems in Rural Chiapas**

Valeria Macias | Partners in Health (Mexico)

[2:55] Discussion

**3:05 Special Session 4: Canadian Association of Surgical Chairs**

Gary Redekop | University of British Columbia  
Ivar Mendez | University of Saskatchewan  
James Rutka | University of Toronto

**3:50 Day 2 Synthesis & Closing Remarks**

Andrew Howard  
James Rutka

**7:00 Banquet Dinner**  
The Faculty Club | Wedgwood Room | 41 Willcocks Street

# SUNDAY MAY 27TH 2018: WORKSHOPS

## **Workshop 1: Globalization in Surgical Education**

*A collaboration between the Bethune Round Table and the Wilson Centre  
Globalization Research Group*

10:00am - 3:00pm

Lunch provided

The Peter Gilgan Centre for Research & Learning  
Room 1 | 686 Bay Street

Intended Participants

Physicians and surgeons who are currently practicing  
Physicians and surgeons who will be practicing within the next 1-2 years

## **Workshop 2: Developing Young Leaders in Global Surgery**

10:00am - 3:00pm

Lunch provided

Women's College Hospital  
The Pink Cube | 76 Grenville Street

Intended Participants

Medical students, residents, and fellows  
Physicians and surgeons who will be practicing within the next 5-10 years



# 2018 BETHUNE ROUND TABLE ORGANIZERS

2018 Conference Chair: Andrew Howard

Logistics Coordinator: Joanna Giddens

## Executive

Anna Dare  
Andrew Howard  
Joanna Giddens  
Joshua Ng - Kamstra  
Omar Selim  
Maeve Trudeau

## Finance

Harjit Bains  
Nancy Condo  
David Grieco  
Darina Landa  
Rajiv Singal

## Abstract Review

Liza Abraham  
Massey Beveridge  
Christopher Charles  
Karen Chung  
Anna Dare  
Lee Errett  
Nikki Hoffman  
Neelesh Jain  
Heather Millar  
Hala Muaddi  
Joshua Ng - Kamstra  
Alan David Rogers  
Omar Selim  
Rajiv Singal  
Teresa Skelton  
Rachel Spitzer

Maeve Trudeau  
Elliot Wakeam

## Planning & Communication

Mark Bernstein  
Junaid Bhatti  
James Bao  
Christopher Charles  
Lee Errett  
Bernard Goldman  
Byung Moon  
Anick Nater  
Sylvia Perry  
Stephanie Nielson  
Jillian Taras  
Teresa Skelton

We would like to extend our recognition to the following individuals & organizations:

## Displays

EASELrentals  
The Print House  
ThinkLink Graphics

## Catering & Events

Daniel et Daniel  
The Faculty Club  
St. Michael's College  
Terrace Catering  
The Peter Gilgan Centre

## Accommodation

Chestnut Residence  
Intercontinental Yorkville

## Travel

Avenue Travel

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## Women's College Hospital

Pauline Beverley

## The Centre for Professional Development

Nancy Bush  
Alison Lind  
Andrea Barkley



Surgery

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