



UNIVERSITY OF BRITISH  
COLUMBIA  
Department of Surgery  
Research Day

19<sup>TH</sup> ANNUAL  
W.B. & M.H. CHUNG  
LECTURESHIP  
2013

*Invited Lecturer*

**Dr. Lorelei Lingard**

Director, Centre for Education Research & Innovation  
Professor, Department of Medicine  
University of Western Ontario  
London, Ontario

VANCOUVER GENERAL HOSPITAL

Tuesday, October 29, 2013

CORDULA AND GÜNTHER PAETZOLD  
HEALTH EDUCATION CENTRE  
Main Floor  
Jim Pattison Pavilion South

**MORNING SESSION -1**

Chair: Dr. Erik Skarsgard

\*9 minute paper with 3 minute discussion

- 0800 **WELCOME - Dr. John Kestle**
- 0805 **Dr. Lisa Ng Aird, General Surgery**  
*Prospective, double blinded, randomized controlled trial comparing electro cautery vs. scalpel for skin incisions: Is there a difference in cosmetic outcome?*
- 0817 **Dr. Tournesol Gregory, Plastic Surgery**  
*What is the consequence of inaccurate TBSA estimation for major burn patients in rural British Columbia?*
- 0829 **Dr. Adelyn Ho, Plastic Surgery**  
*Prevalence of Antibiotic Resistant Organisms in a Tertiary Burn Unit: A Retrospective Study of 340 burn patients*
- 0841 **Dr. Jennifer Higgins, Cardiovascular Surgery**  
*Influence of Peri-operative Stroke on Mortality Following Cardiac Surgery*
- 0853 **Al-Rahim Habib, Otolaryngology**  
*5-,10- and 20-degree Reverse Trendelenburg Position during Functional Endoscopic Sinus Surgery: A double-blind randomized controlled trial*
- 0905 **Dr. Jennifer Stranger, Pediatric Gen Surgery**  
*Practice Variation in Gastroschisis: Factors Influencing Closure Technique*
- 0917 **Dr. Nori Lynn Bradley, General Surgery**  
*Communication of critical clinical data during inter-hospital transfer of major trauma patients in BC.*
- 0929 **REFRESHMENT BREAK**

**MORNING SESSION - 2**

Chair: Dr. John Kestle

- 0944 **Jens Vent-Schmidt, General Surgery**  
*A car-ismatic Chief of Police – Engineering antigen-specific T regulatory cells to treat inflammatory bowel disease*
- 0956 **Dr. Jan Ehses, General Surgery**  
*The role of macrophages in the regulation of islet inflammation and Beta cell function by TLR2/6 and TLR4 ligands*
- 1008 **Dr. Reza Jalili, General Surgery**  
*Long-Term Reversal of Autoimmune Diabetes in Non-Obese Diabetic Mice via a Novel Cell Therapy Strategy*
- 1020 **Dr. Erin Brown, Plastic Surgery**  
*Resident participation in surgery: Divergence of surgical educators' actions and behaviour and patients expectations*
- 1032 **Dr. Aaron Knox, Plastic Surgery**  
*"Whether you think you can, or you think you can't – you're right." The detrimental effects of negative social-comparative feedback in medical trainees learning suturing techniques*
- 1044 **Dr. Karen Joughin, Plastic Surgery**  
*Unintended Injuries during Surgical Procedures – Analysis of Constraints for Future Solutions*
- 1056 ♦ **CHUNG LECTURE**  
\* **Dr. Lorelei Lingard**  
*Beyond 'communication skills': A rhetorical approach to communication for advancing the practice and teaching of teamwork*

- 1156 **Pick-up catered LUNCH**
- 1216 ♦ **LUNCH and LEARN** (Simultaneous oral presentations)  
**Session A Chair – Dr. Yarrow McConnell**  
**Session B Chair – Dr. Eitan Prisman**  
**Session C Chair - Dr. Francis Lynn**

### AFTERNOON SESSION

Chair: Dr. Ahmer Karimuddin

*\*9 minute paper; 3 minute discussion*

- 1331 **James Lawson, Otolaryngology**  
*Serum microRNA as a non-invasive biomarker for early diagnosis of lung adenocarcinoma*
- 1343 **Dr. Zaheer Kanji, General Surgery**  
*Loss of Heterozygosity As a Molecular 'Second Hit' In Familial Pancreatic Cancer: Integrative Genomics and Gene Discovery*
- 1355 **Dr. Allison Ye, Radiation Oncology**  
*Patterns of Relapse in Squamous Cell Carcinoma of the Tonsil, Unilateral vs. Bilateral Radiation in the HPV-Era*
- 1407 **Dr. Sarah Hamilton, Radiation Oncology**  
*Does Asian Ethnicity Influence Outcomes in Nasopharyngeal Carcinoma?*
- 1419 **Dr. Michael Peacock, Radiation Oncology**  
*BCCA Outcomes for Patients on Active Surveillance for Localized Prostate Cancer*
- 1431 **Alexander Hengel, Neurosurgery**  
*Intraoperative ultrasound in pediatric brain tumors: does the surgeon get it right?*
- 1443 **Dr. June Lin, Otolaryngology**  
*Intraoperative local anaesthesia for reducing pain following tonsillectomy*

### Reception and Dinner (RSVP required)

- 1800 Reception – Museum of Vancouver
- 1830 - Presentation of Annual Faculty Awards  
 -Presentation of Research Day Awards  
*Conclusion of formal part of the evening*
- 1900 Dinner

### LEARNING OBJECTIVES

1. Describe and evaluate the clinical, education and basic science research being conducted in the Department of Surgery.
2. Discover new and innovative research techniques.
3. Participate in the collaborative research environment within the Department of Surgery.

Accredited by:



### ACCREDITATION:

This event is an Accredited Group Learning Activity eligible for up to 6 Section 1 credits as defined by the Maintenance of Certification program of the Royal College of Physicians and Surgeons of Canada. This program has been reviewed and approved by UBC Division of Continuing Professional Development. Each physician should claim only those credits he/she actually spent in the activity.

## Lunch and Learn

### Simultaneous Session A

Chair: Dr. Yarrow McConnell, General Surgery

Paetzold Multipurpose Room, 12:16 -13:20,

Abstract #	Division	First Author <i>Last Author</i>	Abstract_title
A01	Plastic surgery	Nasim Abedi <i>Jugpal S. Arneja</i>	How Many Work Hours are Requisite to Publish a Manuscript?
A02	Pediatric Gen Surg	Geoffrey Blair <i>J Dunlop</i>	Pediatric Surgical Camps as One Model of Global Surgical Partnership: A Way Forward
A03	Plastic surgery	James Boyle <i>James Boye</i>	Bed net related burns at Mulago National Referral Hospital, Uganda: A case series report
A04	Cardiovascular surgery	Erick Carreras <i>Andrew Campbell</i>	Cardiac Strangulation Following Epicardial Pacemaker Implantation: A Rare Pediatric Complication
A05	Plastic surgery	Emily Chan <i>Cynthia Verchere</i>	Minor Surgery Procedures: A Retrospective Chart Review
A06	Plastic surgery	Quinten Clarke <i>Douglas Courtemanche</i>	A n Appraisal of the OPSEI Academic Rounds Evaluation
A07	Plastic surgery	Johnathon Gorman <i>Douglas Courtemanche</i>	Outcomes of Sclerotherapy for the Treatment of Venous Vascular Malformations
A08	Otolaryngology	Joshua Gurberg <i>Sam J. Daniel</i>	Laryngeal Penetration on Modified Barium Swallow is Associated with Increased Pneumonia in Children
A09	Otolaryngology	Al-Rahim Habib <i>Amin R. Javer</i>	The Effect of Head Position on the Distribution of Topical Nasal Medication Using the Mucosal Atomization Device: A Cadaver Study
A10	Neurosurgery	Mike Kerr <i>Dr Ash Singhal</i>	Review of complications following non-urgent craniotomy: does my patient need to go to the PICU?
A11	Otolaryngology	Divjot Kumar <i>Neil K. Chadha</i>	Chloral Hydrate Sedation for Auditory Brainstem Response Testing in Children: Safety and Efficacy
A12	Otolaryngology	Lauren Ogilvie <i>Frederick Kozak</i>	Tracheostomy at BC Children's Hospital: a Quality of Care 30 Year Review
A13	Otolaryngology	Andrew Thamboo <i>Neil K. Chadha</i>	Can the SNOT-22 and UPSIT Appropriately Select Pediatric Cystic Fibrosis Patients that Should Be Referred to an Otolaryngologist?: Cross-Sectional Study
A14	Plastic surgery	Cynthia Verchere <i>Kim Durlacher</i>	An Early Shoulder Repositioning Program in Birth Related Brachial Plexus Injury

## Lunch and Learn

### Simultaneous Session B

Chair: Dr. Eitan Prisman, Otolaryngology

Paetzold Atrium, 12:16 -13:20,

Abstract #	Division	First Author Last Author	Abstract_title
B01	Radiation oncology	Julianna Caon <i>Michael McKenzie</i>	Radiation Induced Nausea and Vomiting: Are Guidelines Followed, and Why?
B02	General surgery	Kristin DeGirolamo <i>Andrzej Buczkowski</i>	Comparison of orthotopic liver transplantation techniques regarding perioperative transfusion requirements
B03	Radiation oncology	Zahid Delwar	Potency of oncolytic herpes virotherapy is hindered by microglia barrier in glioma
B04	Plastic surgery	Krista Genoway <i>Sheina Macadam</i>	Effects of Chemotherapy and Radiotherapy on Outcomes in Immediate Versus Delayed Autologous Breast Reconstruction
B05	Radiation oncology	Andrea Lo <i>Ingrid Spadinger</i>	The PSA at 4-5 years after Low-Dose-Rate Prostate Brachytherapy is a Strong Predictor of Disease-Free Survival
B06	Radiation oncology	Sarah Lucas <i>Scott Tyldesley</i>	Spinal Instability Neoplastic (SIN) Scores and spinal surgery referral patterns in unselected patients receiving palliative radiotherapy for metastatic disease to the spine
B07	Radiation oncology	Benjamin Maas <i>James Morris</i>	Prostate Brachytherapy: Do Thinner Needles Improve Toxicity and Dosimetry?
B08	General surgery	Brett Mador <i>S. Morad Hameed</i>	Early Versus Delayed Cholecystectomy Following Endoscopic Sphincterotomy for Mild Biliary Pancreatitis
B09	Otolaryngology	Jamil Manji <i>Amin Javar</i>	Cytokine Markers as Predictive Tools in the Treatment of Chronic Rhinosinusitis with Leptospermum Honey
B10	Otolaryngology	Harman S. Parhar <i>Amin Javar</i>	The Inter-Rater and Intra-Rater Reliability of the Philpott-Javar Endoscopic Mucosal Staging System Following Sinus Surgery Based on Level of Training in Otolaryngology
B11	Neurosurgery	Albert Tu <i>Brian Toyota</i>	Resident Migration Patterns
B12	Radiation oncology	Allison Y. Ye <i>Robert A. Olson</i>	Patterns of Radiation Oncology Follow-up in Canada
B13	General surgery	Siham Zerhouni <i>J. Andrea McCart</i>	Analysis of Human Appendiceal Peritoneal Carcinomatosis Infected with Oncolytic Viruses
B14	Plastic Surgery	Morgan Evans <i>David Naysmith</i>	Treatment of Toxic Epidermal Necrolysis by a Multidisciplinary team

## Lunch and Learn

### Simultaneous Session C

Chair: Dr. Francis Lynn, General Surgery

Paetzold Lecture Theatre, 12:16 -13:20

Abstract #	Division	First Author Last Author	Abstract_title
C01	General surgery	Samuel Chow <i>J.A. Ehses</i>	Gp130 receptor signalling mediates alpha cell dysfunction in a rodent model of type 2 diabetes
C02	Otolaryngology	Christopher Dickman <i>Cathie Garnis</i>	Title: Exosomal microRNA selection in oral tumorigenesis
C03	General surgery	Nicole Krentz <i>Francis C. Lynn</i>	Using Transcription Activator-like Effector Nucleases (TALENs) and Clustered Regularly Interspaced Short Palindromic Repeats (CRISPRs) to Generate Human Embryonic Stem Cell Reporter Lines
C04	General surgery	Yoo Jin Park <i>Lucy Marzban</i>	The IL-1 Receptor Antagonist Anakinra Reduces Amyloid Beta-Cell Toxicity and Improves Survival and Function of Human Islets: Implications in Clinical Islet Transplantation
C05	General surgery	Alexis Shih <i>Dan S. Luciani</i>	Roles of Anti-apoptotic Bcl-xL in Pancreatic Beta-cell Mitochondrial Physiology and Oxidative Stress
C06	General surgery	Thilo Speckmann <i>Francis Lynn</i>	Mechanisms of Npas4 Induction
C07	General surgery	Annika C Sun <i>Garth Warnock</i>	Novel roles of B7-H4 in beta cell ER stress signaling and beta cell survival
C08	Otolaryngology	Rebecca Towle <i>Cathie Garnis</i>	Identification of Genes Disrupted by DNA Methylation in Oral Cancer Progression Through Integrative Analysis
C09	General surgery	Clara Westwell-Roper <i>Bruce Verchere</i>	Macrophage interleukin-1 secretion mediates human islet amyloid polypeptide-induced islet graft dysfunction and amyloid formation
C10	General surgery	Yun Zhang <i>Lucy Marzban</i>	Three-Dimensional Collagen Matrix Restores Reduced Levels of PKB Phosphorylation Associated with Amyloid Formation in Cultured Islets