



Department of
UROLOGIC SCIENCES
UBC



**VANCOUVER
PROSTATE CENTRE**
A UBC & VGH Centre of Excellence

Date: Tuesday, June 13, 2023
Time: 8:00 AM - 3:00 PM
**Location: Paetzold Health
Education Centre**
Vancouver General Hospital

17TH ANNUAL LORNE D. SULLIVAN LECTURESHIP & RESEARCH DAY



2023 Sullivan Research Lecturer

Dr. Scott Eggener, MD

Bruce and Beth White Family Professor of Surgery
Vice Chair, Section of Urology
Director, High Risk and Advanced Prostate Cancer Clinic
The University of Chicago Medicine



Dr. Scott Eggener is a urologic oncologist specializing in patient care with prostate, kidney and testicular cancers. Dr. Eggener is a Bruce and Beth White Family Professor of Surgery, Vice Chair of the Section of Urology, and Director of the High Risk and Advanced Prostate Cancer Clinic.

Dr. Eggener's research, which has resulted in over 300 publications, exclusively focuses on urologic cancers and primarily on improving the screening, diagnosis, and treatment of men with prostate cancer. He is a senior faculty scholar at the Bucksbaum Institute for Clinical Excellence, an Associate Editor at the Journal of Urology and an Executive Board Member of International Volunteers in Urology. Dr. Eggener has chaired or participated in multiple ASCO/AUA cancer guideline panels.



Dr. Lorne D. Sullivan



Dr. Sullivan was raised in Moss Bank, Saskatchewan, and graduated from the University of Saskatchewan, Faculty of Medicine in 1962. After an Internship at Vanderbilt University, he completed his urological training at UBC under the mentorship of Dr. John Balfour. He pursued postgraduate training in Urological Oncology as a Royal College Traveling Fellow at several US Cancer Centres before establishing his practice in British Columbia in 1971. During his years of clinical practice, he developed a highly recognized centre for the surgical management of urological cancer at UBC and was a visionary in the establishment of the Prostate Research Centre. He was a respected teacher and clinician responsible for training an entire generation of British Columbia urologists.

At the national and international level, he served as President of the Canadian Urological Association, the Northwest Urological Society, the Western Section of the AUA, Chaired the Specialty Committee in Urology and was Chief Examiner for the Royal College of Physicians and Surgeons of Canada. He was Head of the Division of Urology at UBC from 1991-1999. He retired in 1999 to spend time with his family and grandchildren but continues to grace the Department with his presence at academic and social functions.

Previous Sullivan Lectureship & Research Day Lecturers

- | | |
|---------------------------------|--------------------------------|
| 2022 - Dr. Anthony Atala | 2014 - Dr. James A. Eastham |
| 2021 - Dr. Christopher Barbieri | 2013 - Dr. Paul Lange |
| 2019 - Dr. Christopher P. Evans | 2012 - Dr. Ralph V. Clayman |
| 2018 - Dr. Robert Reiter | 2011 - Dr. David A. Bloom |
| 2017 - Dr. James E. Lingeman | 2010 - Dr. Gerald H. Jordan |
| 2016 - Dr. Michael A.S. Jewett | 2009 - Dr. Peter T. Scardino |
| 2015 - Dr. John M. Barry | 2008 - Dr. Inderbir Singh Gill |

Previous Division of Urology Graduation Dinner Guest Speakers

- | | |
|---------------------------------|--------------------------------|
| 2022 - Dr. Anthony Atala | 2012 - Dr. Ralph V. Clayman |
| 2019 - Dr. Christopher P. Evans | 2011 - Dr. David A. Bloom |
| 2018 - Dr. Robert Reiter | 2010 - Dr. Gerald H. Jordan |
| 2017 - Dr. James E. Lingeman | 2009 - Dr. Peter T. Scardino |
| 2016 - Dr. Michael S. Jewett | 2008 - Dr. Inderbir Singh Gill |
| 2015 - Dr. John M. Barry | 2007 - Dr. Joao Pippi Salle |
| 2014 - Dr. James A. Eastham | 2006 - Dr. John Fitzpatrick |
| 2013 - Dr. Paul Lange | 2005 - Dr. Laurence H. Klotz |



Program

Welcome

8:00 AM – 8:15 AM

Dr. Martin Gleave, CM, MD, FRCSC, FACS

Distinguished Professor and Head, Department of Urologic Sciences, UBC
Executive Director, Vancouver Prostate Centre
British Columbia Leadership Chair in Prostate Cancer Research

Dr. Robert McMaster, PhD

Vice Dean, Research, Faculty of Medicine, UBC

Lorne D. Sullivan Lectureship

8:15 AM – 8:55 AM

PUBLIC HEALTH WOULD DRAMATICALLY IMPROVE IF GLEASON 6 (GRADE GROUP 1) WASN'T CALLED CANCER

Dr. Scott Eggener, MD

Bruce and Beth White Family Professor of Surgery
Vice Chair, Section of Urology
Director, High Risk and Advanced Prostate Cancer Clinic
The University of Chicago Medicine

Session I:

Bladder Cancer

8:55 AM – 10:05 AM

(10-minute presentations: 7-minute talk and 3-minute Q&A)

Moderators:

Dr. Mads Daugaard & Dr. Miles Mannas

8:55 AM – 9:05 AM

EVALUATING THE USE OF CIRCULATING TUMOUR DNA (CTDNA) IN UROTHELIAL CANCER PATIENTS IN THE CONTEXT OF FGFR-TARGETED THERAPY

David C. Müller, Elena Schönlau, Gillian Vandekerkhove, Andrew J. Murtha, Jack V.W. Bacon, Connor Wells, Kimia Rostin, Gang Wang, Sunil Parimi, Jean-Michel Lavoie, Krista Noonan, Naveen Basappa, Jenny J. Ko, Daygen Finch, Nimira Alimohamed, Tarek A. Bismar, Lucia Nappi, Corinne Maurice Dror, Matti Annala^{1,11}, Cecily Q. Bernales¹, Christian Kollmannsberger³, Kim N Chi^{1,3}, Alexander W Wyatt, Bernhard J. Eigel

9:05 AM – 9:15 AM

PROTEOMIC PROFILING OF MUSCLE INVASIVE BLADDER CANCER TREATED WITH PLATINUM-BASED CHEMOTHERAPY REVEALS UNIQUE BIOLOGIC CLUSTERS WITH CLINICAL RELEVANCE

Alberto Contreras-Sanz, Gian L Negri, Moritz J Reike, Htoo Z Oo, Sandra E Spencer Miko, Karina Nielsen, Morgan E Roberts, Joshua Scurll, Kenichiro Ikeda, Chelsea L Jackson, David M Berman, Roland Seiler, Gregg B Morin, Peter C Black

9:15 AM – 9:25 AM

A NOVEL APPROACH TO ENGINEERING THREE-DIMENSIONAL BLADDER TUMOR MODELS FOR DRUG TESTING

Monjaras-Avila, CU; Luque-Badillo, AC; Bacon, J; Chavez-Munoz, C; So, A

9:25 AM – 9:35 AM

ROLE OF URINARY AND GUT MICROBIOTA ON BACILLUS CALMETTE-GUÉRIN-INDUCED RESPONSES IN NON-MUSCLE INVASIVE BLADDER CANCER

Dalia Othman, Tuomas Jalanko, Moritz Reike, Igor Moskalev, Breanna Nelson, Ali Hussein, Carin Tin, Mathieu Roumigué, Sheryl Munshan, Felipe Eltit, Demian Ferreira, Alberto Contreras-Sanz, Moritz Maas, Aaron Miller, Peter Black, Dirk Lange

9:35 AM – 9:45 AM

ADVERSE EVENTS ASSOCIATED WITH ELECTROMOTIVE DRUG ADMINISTRATION OF MITOMYCIN

J Ma, LM Jonat, S Faddegon, DP Ottem, PC Black



9:45 AM – 9:55 AM **FBXW7 LOSS-OF-FUNCTION CONTRIBUTES TO WORSE OVERALL SURVIVAL AND IS ASSOCIATED WITH ACCUMULATION OF MYC IN MUSCLE INVASIVE BLADDER CANCER**

Ruiliang Wang, Takashi Matsumoto, Elaine Chen, Morgan E. Roberts, Moritz Reike, Kenichiro Ikeda, Htoo Zarni Oo, Takeshi Sano, Eric LeBlanc, Kriti Singh, Jian Gao, Igor Moskalev, Alberto Contreras-Sanz, Peter C. Black

9:55 AM – 10:05 AM **INCIDENCE OF PELVIC SECOND MALIGNANCIES IN PROSTATE CANCER PATIENTS TREATED WITH LOW-DOSE-RATE BRACHYTHERAPY AND RADICAL PROSTATECTOMY AT EXTENDED FOLLOW-UP**

Marie-Pier St-Laurent, George Acland, Scott Tyldesley, Sarah N. Hamilton, Jeremy Hamm, Martin E. Gleave

Break and Posters 10:05 AM – 10:35 AM

State of Art Lecture I

10:35 AM – 10:50 AM **TRANSLATING BIOMARKERS INTO GENITO-URINARY ONCOLOGY CLINICAL PRACTICE: FROM DIAGNOSIS TO TREATMENT**

Dr. Lucia Nappi, MD PhD

Assistant Professor, University of British Columbia
Medical Oncologist, BC Cancer - Vancouver Cancer Centre
Senior Research Scientist, Vancouver Prostate Centre

Session II: Kidney

10:50 AM – 12:10 PM

(10-minute presentations: 7-minute talk and 3-minute Q&A)

Moderators: Dr. Connor Forbes & Dr. David Harriman

10:50 AM – 11:00 AM **MACHINE LEARNING-BASED DECISION SUPPORT SYSTEM TO DISTINGUISH URIC ACID STONES IN PATIENTS WITH KIDNEY STONES OF 'GREY ZONE' HOUNSFIELD UNITS: INTERNATIONAL MULTICENTER DEVELOPMENT AND EXTERNAL VALIDATION STUDY**

Kyo Chul Koo, Abdulghafour Halawani, Victor KF. Wong, Sujin Lee, Sangyeop Baek, Hoyong Kang, Ben H. Chew

11:00 AM – 11:10 AM **BREAK WAVETM LITHOTRIPSY FOR UROLITHIASIS: RESULTS OF THE FIRST-IN-HUMAN INTERNATIONAL MULTICENTER CLINICAL TRIAL**

Ben H. Chew, Victor KF. Wong, Jonathan D. Harper, Roger L. Sur, Thomas Chi, Shubha De, Anne R. Buckley, Ryan F. Paterson, Connor M. Forbes, M. Kennedy Hall, Ross Kessler, Seth K. Bechis, Jason R. Woo, Ralph C. Wang David B. Bayne, Derek Bochinski, Trevor D. Schuler, Tim A. Wollin, Rahim Samji, Mathew D. Sorensen.

11:10 AM – 11:20 AM **THE ROLE OF THE MICROBIOME AND SHORT CHAIN FATTY ACIDS IN KIDNEY STONE DISEASE**

Sarah Hanstock, Demian Ferreira, Hans Adomat, Felipe Eltit, Qiong Wang, Dalia, Othman, Roman Herout, Breanna Nelson, Alina Reicherz, Rizhi Wang, Aaron Miller, Genelle Healey, Ben Chew, Dirk Lange

11:20 AM – 11:30 AM **ENVIRONMENTAL PERFORMANCE OF KIDNEY REPLACEMENT THERAPIES: COMPARATIVE LIFECYCLE ASSESSMENT OF DIALYSIS AND KIDNEY TRANSPLANTATION**

Saba Saleem, Tasleem Rajan, Andrea MacNeill, Caroline Stigant, Kasun Hewage, Rehan Sadiq, Christopher Nguan

11:30 AM – 11:40 AM **FEASIBILITY OF CREATING AN UP TO DATE, TRANSPLANT FOCUSED COUNSELING AI CHATBOT**

Rohit Malyala, Christopher Nguan

11:40 AM – 11:50 AM **EVALUATING DIFFERENT METHODS FOR KIDNEY RECELLULARIZATION**

Ana C. Luque-Badillo, Cesar U. Monjaras-Avila, Hans Adomat, Alan So, Claudia Chavez-Muñoz



11:50 AM – 12:00 PM **A COMPARISON OF ACCURACY AND READABILITY FOR COMMON PATIENT QUESTIONS REGARDING SMALL RENAL MASSES BETWEEN ARTIFICIAL INTELLIGENCE AND ACCREDITED PATIENT INFORMATION MATERIALS**

Jonathan Suderman, Anna Black, Connor Forbes

12:00 PM – 12:10 PM **EVALUATING THE EFFECTIVENESS OF RENAL BIOPSY INNOVATIONS: A SYSTEMATIC REVIEW OF THE LITERATURE**

Nilanga Aki Bandara, Xuan Randy Zhou, Parsa Khatami, Rochelle Gamage, Eric Belanger, Miles Mannas

Lunch and Posters 12:10 PM – 1:00 PM

Session III: Andrology & Pediatrics

1:00 PM – 1:40 PM

(10-minute presentations: 7-minute talk and 3-minute Q&A)

Moderator: **Kourosh Afshar & Dr. Dirk Lange**

1:00 PM – 1:10 PM **PREVALENCE OF PREVIOUSLY UNDIAGNOSED PSYCHIATRIC SYMPTOM GROUPINGS IN PEDIATRIC PATIENTS WITH BLADDER AND BOWEL DYSFUNCTION (BBD)**

Andrew E. MacNeily, Kourosh Afshar, Soojin Kim, Valerie Hogues, Maryam Noparast, Clara Westwell-Roper, S. Evelyn Stewart

1:10 PM – 1:20 PM **OUTCOMES USING A NOVEL TENSION RELIEVING HITCH IN MICROSURGICAL VASECTOMY REVERSALS**

Abdullah Alhamam, Ryan Flannigan

1:20 PM – 1:30 PM **DIFFERENTIATION OF HUMAN PERITUBULAR MYOID-LIKE CELLS FROM HUMAN INDUCED PLURIPOTENT STEM CELLS**

Meghan Robinson, Anne Haegert, Yen-Yi Li, Faraz Hach, Ryan Flannigan

1:30 PM – 1:40 PM **FUNCTIONALIZING XENO-FREE BIOINKS TO PROMOTE TESTICULAR CELL GROWTH IN 3-D BIOPRINTED TESTICULAR MODELS**

Meghan Robinson, Ryan Flannigan

State of Art Lecture II

1:40 PM – 2:05 PM **Combining Tomography and Biochemistry Approaches to Define how Prostate Cancer Alters Bone Matrix Organization and Composition**

Dr. Michael Cox, Ph.D.

Senior Research Scientist, Vancouver Prostate Centre
Associate Professor, Department of Urologic Sciences, UBC

Session IV: Prostate Cancer

2:05 PM – 2:55 PM

(10-minute presentations: 7-minute talk and 3-minute Q&A)

Moderator: **Dr. Nada Lallous & Nathan Lack**

2:05 PM – 2:15 PM **CHARACTERIZING AND TARGETING THE INTERPLAY BETWEEN THE BAF CHORMATIN REMODELING COMPLEX AND THE LINEAGE-DETERMINING TRANSCRIPTION FACTOR ASCL1 IN PROSTATE CANCER LINEAGE PLASTICITY**

Cassandra Cui, Shaghayegh Nouruzi, Dwaipayan Ganguli, Maxim Kobelev, Takeshi Namekawa, Nakisa Tabrizian, Olena Sivak, Amina Talal, Amina Zoubeidi

2:15 PM – 2:25 PM **CHARACTERIZATION OF ANDROGEN RECEPTOR PROPERTIES IN MEDIATING TRANSCRIPTIONAL BIOMOLECULAR CONDENSATES IN PROSTATE CANCER**

Nicholas Pinette, Tian Hao Huang, Shabnam Massah, Maria Guo, Sofia Kochkina, Hanadi Ibrahim, Fan Zhang, Maitree Biswas, Alex Bembridge, Jane Foo, Joseph Lee, Artem Cherkasov, Jörg Gspöner, Nada Lallous



2:25 PM – 2:35 PM

TREATMENT-INDUCED LYSOSOME PROTEASE LEGUMAIN PROMOTES THERAPY RESISTANCE IN PROSTATE CANCER

Kotaro Suzuki, Fan Zhang, Hans Adomat, Nicholas Nikesitch, Neo Wu, Ashley Tong, Julia Dyer, Hui Xue, Syam Somasekharan, Yuzhuo Wang, Martin Gleave

2:35 PM – 2:45 PM

SCREENING SELECTIVITY OF PSMA TARGETING APTAMERS ON MURINE XENOGRAFTS

Nicole Robinson, Atsuhiko Yoshizawa, Laetitia Ganier, Pak Lok Ivan Yu, Kun Liu, Dogancan Ozturan, Sougata Dey, Mitali Pandey, Igor Moskalev, David Perrin, Nathan Lackl, Michael E. Cox, S Larry Goldenberg

2:45 PM – 2:55 PM

CHARACTERIZATION OF THE PHASE SEPARATION OF THE ANDROGEN RECEPTOR (AR) AND ITS SPLICE VARIANT (AR-V7) IN PROSTATE CANCER

Shabnam Massah, Maria Guo, Nicholas Pinette, Hanadi Ibrahim, Fan Zhang, Maitree Biswas, Joseph Lee1, Jane Foo, Artem Cherkasov, Jörg Gsponer, Nada Lallous

ADJOURN



Organizing Committee

- Dr. Amina Zoubeidi
- Dr. Ben H. Chew
- Dr. Kourosch Afshar
- Dr. Peter C. Black
- Dr. Xuesen Dong

Learning Objectives

- To inform members of the types of clinical and basic science research being conducted in the Department of Urologic Sciences.
- To familiarize members with new innovative research techniques.
- To foster an atmosphere of collaborative research within the Department of Urologic Sciences.

Contact Us

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Location Map

Jim Pattison & Centennial Pavilion

