

# DUKE Multidisciplinary Benign Urology Research Symposium

April 29<sup>th</sup> and 30<sup>th</sup>, 2021 (1-5 PM)

Duke Multidisciplinary K12 Urologic Research Career Development Program (KURe)

## THURSDAY, APRIL 29<sup>TH</sup> (via Zoom)

12:50 pm **CHECK IN:** Test your audio, video, chat box, and raising hands for asking questions.  
Obtain the link to the Symposium Program Booklet

1:00 pm **WELCOME AND INTRODUCTIONS:**  
Cindy L. Amundsen, MD, Duke KURe PI and Program Director

1:10 pm **ORAL PLATFORM PRESENTATIONS:**  
Moderator: Maryrose Sullivan, PhD, Harvard Medical School,  
KURe Advisory Committee,

### Basic Science Award

#### ***Loss of Osteopontin Leads to the Resolution of E. Coli-Induced Prostatic Inflammation and Fibrosis***

Petra Popovics, PhD, Univ. of Wisconsin, School of Medicine and Public Health

### Translational Science Award

#### ***Potential Diagnostic Value of Urine MicroRNAs for Female Patients with Overactive Bladder***

Stephanie Sirmakesyan, BS, McGill University, Montreal, Quebec

### KURe Scholar

#### ***How Relative is Bladder 'Continence' for Those with Spina Bifida: Data From the National Spina Bifida Patient Registry***

Maryellen Kelly, DNP, CPNP, MHSc, Duke Univ. School of Nursing

1:55 pm **ORAL ABSTRACT PRESENTATIONS – Concurrent Sessions**

#### **Session A: Quality Improvement/ Prediction/ Economics/ Outcomes**

Moderators: Maryellen Kelly, DNP, CPNP, MHSc, Duke, KURe Scholar

Rohit Tejwani, MD, Duke, Previous KURe Symposium Awardee

#### **Session B: Voiding Dysfunction & Urinary Tract Infection**

Moderators: Karl Kreder, MD, MBA, Univ. of Iowa, KURe Advisory Committee

Tatyana Sysoeva, PhD, Univ. of Alabama, KURe Alumni Scholar

#### **Session C: Nephrolithiasis & Overactive Bladder**

Moderators: Charles Scales, Jr., MD, MSHS, Duke, KURe Mentor

Nazema Siddiqui, MD, Duke, KURe Alumni Scholar

3:10 pm **BREAK**

**Continue THURSDAY, APRIL 29<sup>TH</sup>**

- 3:20 pm **NEUROUROLOGY KEYNOTE SPEAKER:**  
Janet R. Keast, PhD, Professor and Chair Anatomy & Neuroscience,  
Univ. of Melbourne  
***Constructing a Sacral Visceral Connectome to Advance Bioelectronic Medicine***  
Moderator: Eric Gonzalez, PhD, Duke, KURe Alumni Scholar
- 4:00 pm **PANEL DISCUSSION:**  
***BEYOND UROLOGY: HOW COLLABORATIONS ARE ADVANCING  
NEUROUROLOGY***  
Moderators: Jim Hokanson, PhD, Med. College Wisconsin, KURe Alumni Scholar  
Armand Allkanjari, MD, Duke, Urology Resident
- Panelists:**  
Tim Bruns, PhD, Associate Professor, Biomedical Engineering, Univ. of Michigan  
Janet R. Keast, PhD, Professor, Anatomy & Neuroscience, Univ. of Melbourne  
Rose Khavari, MD, Associate Professor, Urology, Weill Cornell Medicine  
Michael R. Ruggieri, Sr, PhD, Professor, Anatomy & Cell Biology, Temple Univ.
- 4:50 pm **CLOSING & PREVIEW OF FRIDAY EVENTS:**  
Cindy L. Amundsen, MD, Duke KURe PI and Program Director
- 5:00 pm **THURSDAY ADJOURNMENT**

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**FRIDAY, APRIL 30<sup>TH</sup> (via Zoom)**

- 11:45 am **SMALL GROUP DISCUSSIONS WITH EXPERTS** (signup required)
- 12:50 pm **CHECK IN:** Test your audio, video, chat box, and raising hands for asking questions.  
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- 1:00 pm **WELCOME AND INTRODUCTIONS:**  
Cindy L. Amundsen, MD, Duke KURe PI and Program Director
- 1:10 pm **SEXUAL MEDICINE KEYNOTE SPEAKER:**  
Arthur L. Burnett, II, MD, Patrick C. Walsh Professor of Urology, Johns Hopkins  
***Nitric Oxide Revolutionized Lower Genitourinary Tract Therapies: From Bench to  
Bedside***  
Moderator: Michael Odom, PhD, Duke, KURe Scholar

**Continue FRIDAY, APRIL 30<sup>TH</sup>**

1:50 pm **ORAL ABSTRACT PRESENTATIONS – Concurrent Sessions**

**Session D: Benign Prostatic Hyperplasia**

Moderators: Philip Walther, MD, PhD, Duke, KURe Advisory Committee  
Leonid Aksenov, MD, Duke, Previous KURe Symposium Awardee

**Session E: Reconstructive Surgery & Pelvic Medicine**

Moderators: Matthew Barber, MD, MHS, Duke, KURe Advisory Committee  
Brent Nosé, MD, Duke, Previous KURe Symposium Awardee

**Session F: Neurourology**

Moderators: Jennifer Anger, MD, MHS Cedars Sinai, KURe Advisory Committee  
Zachary Dionise, MD, Duke Previous KURe Symposium Awardee

3:05 pm **BREAK**

3:15 pm **ORAL PLATFORM PRESENTATIONS:**

Moderator: Mary Barbe, PhD, FAA, Temple University, KURe Advisory Committee

**Clinical Science Award**

***Sustained Reduction in Catheter-Associated Urinary Tract Infections using Multi-Faceted Strategies led by Champions: A Quality Improvement Initiative***

Sonali Advani, MBBS, MPH, Infectious Diseases, Duke Univ., KURe Scholar

**KURe Scholar**

***NLRP3-Dependent Mechanisms Responsible for Urothelial Barrier Dysfunction in Diabetic Mice***

Michael Odom, PhD, Urology, Duke University

**KURe Scholar**

***Effect of Epidural Kilohertz Frequency Spinal Cord Stimulation on Lower Urinary Tract Function in a Rat Spinal Cord Transection Model***

Casey Steadman, PhD, Biomedical Engineering, Duke University

4:00 pm **PANEL DISCUSSION:**

***A MULTIDISCIPLINARY APPROACH TO SEXUAL MEDICINE***

Moderators: Casey Steadman, PhD, Duke, KURe Scholar  
Christopher Kim, MD, Duke Urology Resident

**Panelists:**

Arthur Burnett, MD, Professor, Urology, Johns Hopkins  
Anita Clayton, MD, Chair, Psychiatry & Neurobehavioral Sci., Univ. of Virginia  
Lesley Marson, PhD, VP, Preclinical Research, Dignify Therapeutics, NC  
Clinton Webb, PhD, Dir. Cardiovascular Translational Research Ctr., Univ. of SC

4:50 pm **PRESENTATION OF TRAINEE AWARDS AND CLOSING REMARKS**

Friederike L. Jayes, DVM, PhD, Duke KURe Program Coordinator

5:00 pm **FRIDAY ADJOURNMENT**