

## **BPH and Male LUTS: Intersection between pathology and disease**

March 30<sup>th</sup> -April 1<sup>st</sup>, 2022

### **DAY 1: Wednesday, March 30<sup>th</sup>, 2022**

- 11:00 – 11:30 a.m. OPENING REMARKS and OBJECTIVES**
- 11:30 – 1:00 p.m. SESSION 1: Landscape: relationship between BPH and Male LUTS**
- 1. Overview**  
Claus Roehrborn, MD, University of Texas Southwestern
  - 2. Epidemiology of BPH/LUTs—what have we learned from current cohorts?**  
Marvin Langston, PhD, Kaiser Permanente
  - 3. LUTS clinical workup and approach to treatment**  
Brian Helfand, MD, PhD, University of Chicago
- 1:00 p.m.-1:15 p.m. BREAK**
- 1:15 a.m.- 2:15 p.m. SESSION 2: Prostate Biology and Pathobiology**
- 1. Prostate development**  
Chad Vezina, PhD, University of Wisconsin
  - 2. Human prostate cellular anatomy and relationship to BPH pathology**  
Doug Strand, PhD, University of Texas Southwestern
- 2:30 – 3:30 p.m. BREAKOUT SESSIONS: IDENTIFYING ROADBLOCKS & PRIORITIES**
- Group 1:** Molecular/Cellular/Physiological mechanisms of BPH and LUTS—development of a conceptual model, approach to molecular endophenotypes  
**Group 2:** Translational Approaches; identifying new therapeutic targets  
**Group 3:** Needed Methods/Tools  
**Group 4:** Clinical Research Needs/Approaches, includes health services and epi and Health Disparities
- 3:30 – 4:00 p.m. INITIAL REPORTS BACK FROM BREAKOUT SESSIONS**
- 4:00 p.m. Adjourn Day 1**

### **DAY 2: Thursday, March 31<sup>st</sup>, 2022**

- 11:00-11:15 a.m. RECAP OF DAY 1 and PLANS FOR DAY 2**
- 11:15 -12:45 p.m. Trainee short talks/posters**
- 12:45– 1:00 p.m. BREAK**

- 1:00 – 2:45 p.m.      SESSION 3: Pathways to Pathology**
- 1. Aging**  
Teresa Liu, PhD., University of Wisconsin
  - 2. Immune dysfunction**  
Travis Jerde, PhD, Indiana University at Purdue
  - 3. Androgen signaling pathways**  
Aria Olumi, MD, Beth Israel Deaconess
  - 4. Fibrosis and LUTS**  
William Ricke, PhD., University of Wisconsin

- 3:00-4:00 p.m.      SESSION 4: Relationship between pathology and symptoms**
- 1. Role of bladder-prostate crosstalk—neural manifestations**  
Janet Keast, PhD, University of Melbourne
  - 2. Pathways forward to understanding bladder dysfunction post-BPH/  
adaptions of bladder**  
Ramy S. Goueli, MD, UT Southwestern

**4:00 p.m.              Adjourn Day 2**

### **DAY 3: Friday, April 1<sup>st</sup>, 2022**

**11:00 -11:15 a.m.      RECAP OF DAY 2 and PLANS FOR DAY 3**

- 11:15– 12:45 p.m.      SESSION 5: Approaches, Technologies, Data Sources, and Tools**
- 1. High throughput interrogations**  
James Brooks, MD, Stanford University
  - 2. Novel imaging approaches**  
Peter Caravan, PhD, Massachusetts General Hospital
  - 3. Utilizing EHR data to understand disease**  
Tina Hernandez-Boussard, PhD, Stanford University

**12:45– 1:00 p.m.      BREAK**

**1:00 – 2:30 p.m.      BREAKOUT SESSIONS: IDENTIFYING ROADBLOCKS & PRIORITIES**

**Group 1:** Molecular/Cellular/Physiological mechanisms of BPH and LUTS—  
development of a conceptual model, approach to molecular endophenotypes  
**Group 2:** Translational Approaches; identifying new therapeutic targets  
**Group 3:** Needed Methods/Tools  
**Group 4:** Clinical Research Needs/Approaches, includes health services and epi  
and Health Disparities

**2:45– 3:45 p.m.      FINAL BREAKOUT SESSION REPORTS AND GROUP DISCUSSION**

**3:45– 4:00 p.m.      CLOSING REMARKS**

**4:00 p.m.              ADJOURN**