



## 2020 SBUR Annual Meeting Preliminary Agenda November 11<sup>th</sup>-14<sup>th</sup>

*Discussion topics and times are still being finalized and are subject to change.*

### **SBUR Annual Meeting Planning Committee**

Scott Dehm, Ph.D. (Chair), University of Minnesota  
Larisa Nonn, Ph.D., University of Illinois at Chicago  
Shawn Lupold, Ph.D. John Hopkins University  
Jindan Yu, Ph.D., Northwestern University  
Zongbing You, MD, Ph.D., Tulane University  
Allen Gao, MD, Ph.D., UC Davis School of Medicine  
Rosalyn Adam, Ph.D., Boston Children's Hospital & Harvard Medical School  
Thomas Griffith, Ph.D., University of Minnesota  
Beatrice Knudsen, Ph.D., Cedars Sinai Medical Center  
LaMonica Stewart, Ph.D., Meharry Medical College  
Chad Vezina, Ph.D., University of Wisconsin  
Arun Sreekumar, Ph.D., Baylor College of Medicine  
Daniel Frigo, Ph.D., University of Texas MD Anderson Cancer Center

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**Note: Times listed are Central Daylight Time**

### **Wednesday, November 11th**

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1:00 - 3:00 pm	<b>SBUR Trainee Affairs Symposium</b>	Daniel Frigo, Ph.D., MD Anderson Cancer Center Arun Sreekumar, Ph.D., Baylor College of Medicine
5:00 - 7:00 pm	<b>SBUR Annual Meeting Kickoff</b>  Virtual Poster Presentations by Virtual Travel Awardees and Coffey Award Finalists	Rosalyn Adam, Ph.D., SBUR President

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### **Thursday, November 12th**

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9:00 - 9:15 am	<b>Welcome &amp; Introduction</b>	Rosalyn Adam, Ph.D., SBUR President
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9:15 - 10:15 am

**Leland Chung Keynote Speaker and Discussion**

Organoids to model human disease

Hans Clevers, M.D., Ph.D.,  
Utrecht Institute



**Hans Clevers: MD and PhD** from Utrecht University, Holland. He is Professor in Molecular Genetics at Utrecht University since 1991. He runs his lab in the Hubrecht Institute. Throughout his career, he has worked on the role of Wnt effector, the role of Wnt in adult stem cell biology and of Wnt pathway mutations in colon cancer, Lgr5 as a marker of adult stem cells, and -finally- a method to grow ever-expanding mini-organs ('organoids') from Lgr5 stem cells derived from a range of healthy or diseased human tissues. This has led to over 700 publications and >120,000 citations. He is member of the Royal Netherlands Academy of Arts and Sciences, National Academy of Sciences of the USA, Academie des Sciences (Paris) and Royal Society London, Recipient of multiple awards, including the Swiss Louis Jeantet Prize, the Heineken Prize, and the Breakthrough Prize in Life Sciences.

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10:15 - 10:30 am

**BREAK**

**New Models and Technologies for Studying Urologic Biology**

**Discussion Leaders:**

**X. Sean Li, Ph.D.**, Boston Children's Hospital  
**Paula Hurley, Ph.D.**, Vanderbilt University

10:30 - 11:00 am

Bladder Cancer Genomics

Woonyoung Choi, Ph.D.,  
Johns Hopkins University

11:00 - 11:30 am

(Phospho)proteomic Approaches to Identify Targets and Biomarkers in Prostate Cancer

Justin Drake, PhD.,  
University of Minnesota

11:30 am - 12:00 pm

Regenerative Urology

Margot Damaser, Ph.D.,  
The Cleveland Clinic

12:00pm - 12:15pm

Virtual Travel Awardee Oral Presentation



Three-dimensional (3D) co-culture system for organoids plus tissue infiltrating lymphocytes (TILs) derived from patient benign normal and hyperplastic proliferative ureter specimens

Sanghee Lee, Ph.D.  
University of California San Diego  
San Diego, California

12:15 - 12:45 pm

Perturbation Screening in Bladder Cancer

John Lee, M.D., Ph.D.,  
Fred Hutchinson Cancer  
Research Center

12:45 - 1:00 pm

Virtual Travel Awardee Oral Presentation



A neuroanatomical mechanism linking perinatal chemical exposure to prostate smooth muscle hyperactivity and altered voiding function

Anne E Turco  
University of Wisconsin-  
Madison  
Madison, Wisconsin

1:00 - 1:30 pm

**LUNCH BREAK (30 minutes)**

1:30 - 2:00 pm

Models of Urinary Tract Infection

Scott Hultgren, Ph.D.,  
Washington University

2:00 - 2:30 pm	Microfluidics for Coculture	Ashleigh Theberge, Ph.D., University of Washington
2:30 - 2:45 pm	 Virtual Travel Awardee Oral Presentation Decoding Stromal Heterogeneity across BPH Phenotypes	Diya Binoy Joseph, Ph.D. UT Southwestern Medical Center Dallas, Texas

## Advances in Urologic Pathologies by NIDDK Urology Centers and Training Programs

### Discussion Leaders:

**William Ricke, Ph.D.,**  
University of Wisconsin  
**Zhou Wang, Ph.D.,**  
University of Pittsburgh  
**Cathy Mendelsohn, Ph.D.,**  
Columbia University

2:45 –3:00 pm	Mouse Models of Prostatic Collagen Accumulation	Chad Vezina, Ph.D., University of Wisconsin
3:00 - 3:15 pm	Mitochondrial Dysfunction in Benign Prostatic Hyperplasia	Donald Defranco, Ph.D., University of Pittsburgh
3:15 -3:30 pm	Epithelial Cell Identity in Kidney Organogenesis	Jonathan Barasch, M.D., Ph.D., Columbia University
3:30 - 4:00 pm	Aging-mediated cellular changes lead to prostatic fibrosis a lower urinary tract dysfunction	Teresa Liu, Ph.D., University of Wisconsin
4:00 – 4:15 pm	<b>Break</b>	
4:15 - 4:45 pm	Modeling Prostate Epithelial Barrier Alterations and Lower Urinary Tract Dysfunction in BPH	Laura Pascal, Ph.D., University of Pittsburgh
4:45 - 5:15 pm	Voiding and Muscle Contractility Dysfunction in Novel Animal Model of Detrusor Underactivity	Eric Gonzalez, Ph.D. Duke University
5:15 - 5:45 pm	AUA Research 2020 Update: Opportunities for Research Support and Education	Carolyn Best, Ph.D., AUA Director of Research
5:45-5:55 pm	Coffey Award Nominee Presentations  Coffee Nominee: Ping Mu, Ph.D CHD1-loss promotes tumor heterogeneity, lineage plasticity and therapy resistance in prostate cancer.  Coffee Nominee: U-Ging Lo, Ph.D. Interferon-STAT1 signaling induces lineage plasticity of castration-resistant prostate cancer  Coffee Nominee: Patrick Brooks, M.D. Smartphone Thermal Imaging in the Detection of Testicular Ischemia  Coffee Nominee: Dong-Hoon Lee, Ph.D. Androgen Action in Cell Fate and Communication During Prostate Development at Single-Cell Resolution	Allen C. Gao, MD, PhD

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# Friday, November 13th

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## Genes and Development in Urologic Health and Disease

### Discussion Leaders:

**Jason Van Batavia, M.D.**,  
University of Pennsylvania  
**Rosalyn Adam, Ph.D.**, Boston  
Children's Hospital

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9:00 - 10:00 am	AUA Lecturer- Genetics and Treatment of Congenital Birth Defects of the GU Tract	Linda Baker, M.D., University of Texas Southwestern Medical Center
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**Dr. Linda A. Baker** is a board-certified pediatric urologist that has practiced in Dallas-Ft Worth, TX for 21 years. After University of Virginia urology residency and pediatric urology fellowship at The Johns Hopkins Hospital, she has developed a complex specialty practice in difficult genitourinary surgical reconstruction for children with prune belly syndrome, disorders of sexual development, and vaginal birth defects. Having held 20 years of NIH funding at the University of Texas Southwestern, her deep interest is using a personalized medicine approach to making new molecular discoveries for children with rare conditions. She has authored/co-authored >120 publications about genitourinary birth defects and pediatric urology. Dr. Baker loves her dear husband and two beautiful grown children.

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10:00 - 10:30 am	Development of Lower Urogenital Tract Innervation	Michelle Southard-Smith, Ph.D., Vanderbilt University
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10:30 - 11:00 am	Mechanosensation in the Urinary Bladder	Margaret Vizzard, Ph.D., The University of Vermont
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11:00 – 11:15 am	<b>BREAK</b>	
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## Cancer Cell Biology and Communication

### Discussion Leaders:

**Gail Prins, Ph.D.**, University of Illinois at Chicago  
**Li Xin, Ph.D.**, University of Washington

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11:15 - 11:45 am	Clear Cell Kidney Cancer TME Transcript Profiling	A. Ari Hakimi, M.D., Memorial Sloan Kettering Cancer Center
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11:45 am – 12:15 pm	Prostate Cancer Bone Tropism	Bethany Kerr, Ph.D., Wake Forest University
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12:15 - 12:45 pm	Immune Attach and Evasion in Urologic Cancers	Jennifer Wu, Ph.D., Northwestern University
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12:45 – 1:00 pm	Virtual Travel Awardee Oral Presentation	Jason Garcia
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Regulation of megalin by vitamin D as the mechanism for differential levels of intra-prostatic androgens between African American and Caucasian men

University of Illinois Chicago  
Chicago, Illinois

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1:00 - 1:30 pm	<b>Lunch Break (30 minutes)</b>	
1:30 – 2:00 pm	Macrophages in Prostate Cancer	Jelani Zarif, Ph.D., Johns Hopkins University
2:00 – 2:30 pm	Targeting CAMKK2 to Counter Prostate Cancer Metabolism	Daniel Frigo, Ph.D., Anderson Cancer Center
2:30 – 2:45 pm	 Virtual Travel Awardee Oral Presentation Tristetraprolin Loss Drives the Progression of Aggressive Prostate Cancer	Katherine Morel, Ph.D. Dana-Farber Cancer Institute/Harvard University Boston, Massachusetts
2:45 – 3:00 pm	 Virtual Travel Awardee Oral Presentation Prostate tumor-derived TNF $\alpha$ /TGF $\beta$ down regulate AR expression in the prostate cancer stroma through TAK1, NF- $\kappa$ B, and p38 signaling	Shekha Tahsin, M.S. University of Arizona Tucson, Arizona

## Cellular Identity and Lineage Plasticity

### Discussion Leaders:

**Yuanyuan Zhang, M.D., Ph.D.**, Wake Forest University  
**Wendy Huss, Ph.D.**, Roswell Park Comprehensive Cancer Center

3:00 – 3:30 pm	Temporal Evolution of Cellular Heterogeneity During the Progression to Advance, AR-negative Prostate Cancer	David Rickman, Ph.D., Weill Cornell Medical College
3:30 – 4:00 pm	SOX2 in Prostate Regeneration and Disease	Donald VanderGriend, Ph.D., University of Illinois at Chicago
4:00- 4:30 pm	Defining New Drivers and Therapeutic Targets for Neuroendocrine Prostate Cancer	Tanya Stoyanova, Ph.D., Stanford University
4:40 – 4:45 pm	<b>BREAK</b>	
4:45 – 5:15 pm	SBUR Awards Presentation <ul style="list-style-type: none"> <li>● Virtual Travel Awards</li> <li>● Young Investigator Awards</li> <li>● SWIU/SBUR Award</li> <li>● Distinguished Service Award</li> <li>● Meritorious Achievement Award</li> <li>● Coffey Research Award Winner</li> </ul>	
5:15 – 5:45 pm	SBUR Business Meeting	Members Only

Available throughout the meeting Virtual Posters and Exhibit Hall

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# Saturday, November 14<sup>th</sup>

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## Emerging Cellular Targets and Therapies for Urologic Pathologies

### Discussion Leaders:

**Ganesh Raj, M.D., Ph.D.,**  
University of Texas  
Southwestern Medical Center  
**Amina Zoubeidi, Ph.D.,**  
Vancouver Prostate Centre

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9:00 - 9:30 am	Defining the Roles of Neutrophils in Bone Metastatic Prostate Cancer	Leah Cook, Ph.D., University of Nebraska Medical Center
9:30 - 10:00 am	The Roles of the Ribonuclease A Superfamily in Immune Protection from Urinary Tract Infection	John David Spencer, M.D., Nationwide Children's Hospital
10:00 - 10:30 am	Targeting mRNA Stabilization to Inhibit Linage Plasticity in Prostate Cancer	Leigh Ellis, Ph.D., Cedars-Sinai Medical Center
10:30 - 11:00 am	AVPR1A in Prostate Cancer	Kerry Burnstein, Ph.D., University of Miami
11:00 - 11:15 am	<b>BREAK</b>	
11:15 - 11:30 am	Virtual Travel Awardee Oral Presentation  Resistance to Olaparib is Dependent on Re-Emergence from G2/M Arrested Senescence	Alan Lombard, Ph.D. University of California Davis, California
11:30 am – 12:00 pm	The lncRNA HULLK in prostate cancer	Daniel Gioeli, Ph.D., University of Virginia
12:00 - 12:30 pm	Nuclear Pore-regulated Pathways as Novel Mechanisms of Prostate Cancer Aggressiveness	Veronica Rodriguez-Bravo, Ph.D., Sidney Kimmel Cancer Center at Jefferson
12:30 - 1:00 pm	Response and Resistance to BCG Therapy for Bladder Cancer	Trinity Bivalacqua, M.D., Ph.D., Johns Hopkins University
1:00 pm	Farewell	Rosalyn Adam, Ph.D., SBUR President

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