

SCIENTIFIC PROGRAM

NOVEL DISCOVERIES IN UROLOGY: BIG DATA TO MICROBIOME

November 7-10, 2019

New Orleans Downtown Marriott at the Convention Center, New Orleans, LA

2019 Program Committee

Zongbing You, MD, PhD (2019 Chair)
Scott M. Dehm, PhD (2020 Chair)
Jindan Yu, PhD (2021 Chair)
Marc Cox, PhD (Advisor)
Amina Zoubeidi, PhD
Christina A.M. Jamieson, PhD
Zhou Wang, PhD
Hari K. Koul, MSC, PhD, FASN
Rosalyn Adam, PhD
Allen Gao, MD, PhD (ex officio)
Ganesh V. Raj, MD, PhD (ex officio)

THURSDAY, NOVEMBER 7, 2019

2:00 - 8:30 p.m.

Registration

3:00 - 5:00 p.m.

Trainee Affairs Career Symposium

*Larisa Nonn, PhD
Trainee Affairs Committee Chair
University of Illinois at Chicago
Chicago, IL*

*Arun Sreekumar, PhD
Trainee Affairs Committee Co-Chair
Baylor College of Medicine
Houston, TX*

6:00 - 6:10 p.m.

Welcome & Introductory Remarks

*Allen Gao, MD, PhD
SBUR President
University of California at Davis
Davis, CA*

6:10 - 8:00 p.m.

Keynote Session

Discussion Leaders:

Zongbing You, MD, PhD

*Tulane University
New Orleans, LA*

*Travis J. Jerde, PhD
Indiana University
Indianapolis, IN*

6:10 - 7:10 p.m.

Leland W.K. Chung Lecture

**Functional Genomic, Proteomic and Bioinformatics
Approaches to Understand Cancer Biology and Discover
Clinical Biomarkers** *(temporary title)*

*Arul M. Chinnaiyan, M.D., Ph.D.
Director, Michigan Center for Translational Pathology
S.P. Hicks Endowed Professor of Pathology and Urology
American Cancer Society Research Professor
Investigator, Howard Hughes Medical Institute
Comprehensive Cancer Center
University of Michigan
Ann Arbor, MI*

7:10 – 7:25 p.m.

Discussion

7:25 – 7:50 p.m.

Prostate Cancer Update 2019: from Genetics to Clinical Trials

*Oliver Sartor, MD
Tulane University
New Orleans, LA*

7:50 – 8:00 p.m.

Discussion

8:00 - 9:00 p.m.

Welcome Reception and Networking

FRIDAY, NOVEMBER 8, 2019

8:00 - 12:00 p.m.

Plenary Session I: Big Data as Engines for Discovery

Discussion Leaders:

*Natasha Kyprianou, PhD
University of Kentucky
Lexington, KY*

*Jindan Yu, PhD
Northwestern University
Chicago, IL*

8:00 - 8:20 a.m.

**UALCAN: an Integrated Data Mining Platform for
Comprehensive Analysis of Cancer Transcriptome and Novel
Target Discovery**

Sooryanarayana Varambally, PhD

*University of Alabama-Birmingham
Birmingham, AL*

- 8:20 – 8:30 a.m.** **Discussion**
- 8:30 – 8:50 a.m.** **Does Tumor Heterogeneity in Molecular Subtypes of Bladder Cancer Affect Clinical Outcome?**
Vinata B. Lokeshwar, PhD
*Augusta University
Augusta, GA*
- 8:50 - 9:00 a.m.** **Discussion**
- 9:00 - 9:20 a.m.** **The Role of miR-21 in Prostate Cancer Development and Progression**
Shawn E. Lupold, PhD
*Johns Hopkins Hospital
Baltimore, MD*
- 9:20 - 9:30 a.m.** **Discussion**
- 9:30 – 9:40 a.m.** **Travel Award Presentation #1: TBD**
- 9:40 – 9:45 a.m.** **Discussion**
- 9:45 - 10:00 a.m.** **Break**
- 10:00 - 10:20 a.m.** **Epigenetic Landscape Reveals Druggable Driver Genes for Tumorigenesis**
Kaifu Chen, PhD
*Houston Methodist
Houston, TX*
- 10:20 - 10:30 a.m.** **Discussion**
- 10:30 - 10:40 a.m.** **Travel Award Presentation #2: TBD**
- 10:40 - 10:45 a.m.** **Discussion**
- 10:45 - 11:05 a.m.** **Probing the Transcriptional Landscape of the Bladder Following Spinal Cord Injury**
Rosalyn Adam, PhD
*SBUR Vice President
Boston Children’s Hospital and Harvard Medical School
Boston, MA*
- 11:05 - 11:15 a.m.** **Discussion**

- 11:15 - 11:35 a.m.** **Epigenomic Approaches to Discover Transcriptional Vulnerabilities of Prostate Cancer**
 Qianben Wang, PhD
Duke University
Durham, NC
- 11:35 - 11:45 a.m.** **Discussion**
- 11:45 – 11:55 a.m.** **Travel Award Presentation #3: TBD**
- 11:55 – 12:00 p.m.** **Discussion**
- 12:00 - 1:30 p.m.** **Lunch**
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- 1:30 - 5:15 p.m.** **Plenary Session II: Targeting Endocrine and Metabolic Dysfunctions**
 Discussion Leaders:

 Gail S. Prins, PhD
University of Illinois at Chicago
Chicago, IL

 Benyi Li, MD, PhD
University of Kansas Medical Center
Kansas, KS
- 1:30 – 1:50 p.m.** **Targeting Metabolic Addiction of Prostate Cancer**
 Hsing-Jien Kung, PhD
Taipei Medical University
Taiwan, ROC
- 1:50 – 2:00 p.m.** **Discussion**
- 2:00 - 2:20 p.m.** **Hormonal Therapy for Prostate Cancer: Metabolic Changes as the Molecular Basis of Treatment Response and Failure**
 Jiaoti Huang, MD, PhD
Duke University
Durham, NC
- 2:20 - 2:30 p.m.** **Discussion**
- 2:30 - 2:50 p.m.** **PDEF Alters the Enhancer Landscape to Promote Prostate Luminal Differentiation**
 Hari K. Koul, MSC, PhD, FASN
Louisiana State University Health Science Center-Shreveport
Shreveport, LA

2:50 - 3:00 p.m.	Discussion
3:00 – 3:10 p.m.	Travel Award Presentation #4: TBD
3:10 – 3:15 p.m.	Discussion
3:15 – 3:30 p.m.	Break
3:30 – 3:50 p.m.	The Role of Crosstalk between AR and E2F in Prostate Cancer Therapeutic Resistance Yun Qiu, PhD <i>University of Maryland Baltimore, MD</i>
3:50 – 4:00 p.m.	Discussion
4:00 – 4:20 p.m.	Navigating Immunotherapy Responses in Bladder Cancer: From Mice to Men Joshua J. Meeks, MD, PhD <i>Northwestern University Chicago, IL</i>
4:20 – 4:30 p.m.	Discussion
4:30– 4:40 p.m.	Travel Award Presentation #5: TBD
4:40 – 4:45 p.m.	Discussion
4:45– 4:55 p.m.	Travel Award Presentation #6: TBD
4:55 – 5:00 p.m.	Discussion
5:00 - 5:15 p.m.	AUA Office of Research: Update on Urologic Research Support Opportunities Carolyn Best, PhD <i>American Urological Association Linthicum, MD</i>
5:15 - 7:15 p.m.	Poster Session #1: # P_ - P_
7:15 p.m.	Evening on Own
7:15 p.m.	Trainee Affairs Group Dinner

SATURDAY, NOVEMBER 9, 2019

8:00 - 10:00 a.m.	Plenary Session III: Immunology and Immunotherapy Discussion Leaders:
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Ganesh V. Raj, MD, PhD
Immediate Past SBUR President
UT Southwestern Medical Center
Dallas, TX

Amina Zoubeidi, PhD
University of Vancouver
Vancouver, British Columbia, Canada

8:00 – 8:50 a.m.

AUA Lecture
Prostate Cancer Revisited

Joel B. Nelson, MD
University of Pittsburgh
Pittsburgh, PA

8:50 – 9:00 a.m.

Discussion

9:00 - 9:20 a.m.

Defining Inflammation in BPH

Timothy L. Ratliff, PhD
Purdue University Center for Cancer Research
West Lafayette, IN

9:20 - 9:30 a.m.

Discussion

9:30 - 9:50 a.m.

Bladder Cancer, Inflammation and PD-L1: Where Are We Now?

Michelle Downes, MB BCh BAO, MRCSI, MD, FRCPC
Sunnybrook Health Sciences Centre
Toronto, ON, Canada

9:50 – 10:00 a.m.

Discussion

10:00 – 10:15 a.m.

Break

10:15 – 12:45 p.m.

Plenary Session IV: Targeting Benign Urologic Disease

Discussion Leaders:

Rosalyn Adam, PhD
SBUR Vice President
Boston Children's Hospital and Harvard Medical School
Boston, MA

Yan Dong, PhD
Tulane University
New Orleans, LA

Panelists:

10:15 – 10:30 a.m.

NIDDK Support of Basic Research for Benign Urologic Conditions.

Tamara Bavendam, MD

*NIDDK/NIH
Bethesda, MD*

- 10:30 – 10:45 a.m.** **William Ricke, PhD**
*Director, O'Brien Center for Benign Urologic Research
University of Wisconsin School of Medicine and Public Health
Madison, WI*
- 10:45 – 11:00 a.m.** **Cathy Mendelsohn, PhD**
*Director, Columbia University O'Brien Center
New York, NY*
- 11:00 – 11:15 a.m.** **Zhou Wang, PhD**
*Director, O'Brien Urology Research Center
University of Pittsburgh
Pittsburgh, PA*
- 11:15 – 11:30 a.m.** **Discussion**
- 11:30 -11:45 a.m.** **Mechanisms of Age-associated Immune Dysfunction in the Post-menopausal Bladder**
*Indira U. Mysorekar, PhD
Washington University
St. Louis, MO*
- 11:45 – 12:00 p.m.** **ReSKU: an Automated Nephrolithiasis Registry as a Community Research Tool**
*Thomas Chi, MD (PI: P20 Program)
University of California at San Francisco
San Francisco, CA*
- 12:00 – 12:15 p.m.** **Leukocytic Phenotypes Associated with BPH Progression**
*Simon W. Hayward, PhD
NorthShore University HealthSystem
Evanston, IL*
- 12:15 – 12:30 p.m.** **Discussion**
- 12:30 - 2:00 p.m.** **Lunch**
- 2:00 – 3:45 p.m.** **Plenary Session V: Innovative Technologies in Urology**
- Discussion Leaders:
- Marc B. Cox, MSPH, PhD
University of Texas at El Paso
El Paso, TX*
- Paramita Mitra Ghosh, PhD*

*University of California at Davis
Davis, CA*

- 2:00 - 2:20 p.m.** **Combining Tissue Histomorphometry and Biomarkers for Precise Prediction of Prostate Cancer Recurrence**
Sanjay Gupta, Ph.D.
*Case Western Reserve University
Cleveland, OH*
- 2:20 – 2:30 p.m.** **Discussion**
- 2:30 – 3:50 p.m.** **Novel Models for Targeting Advanced Prostate Cancer**
Yuzhuo Wang, Ph.D, FCAHS
*University of British Columbia
Vancouver, BC, Canada*
- 2:50 – 3:00 p.m.** **Discussion**
- 3:00 – 3:20 p.m.** **Repurposed Drugs Targeting Exosomes as Adjuvant Therapies for Prostate Cancer**
Asim B. Abdel-Mageed, DVM, PhD
*Tulane University
New Orleans, LA*
- 3:20 – 3:30 p.m.** **Discussion**
- 3:30 – 3:40 p.m.** **Travel Award Presentation #7: TBD**
- 3:40 - 3:45 p.m.** **Discussion**
- 3:45 – 4:00 p.m.** **Break**
- 4:00 - 4:30 p.m.** **Awards Presentations**

Distinguished Service Award

Meritorious Achievement Award

Young Investigator Awards

Coffey Research Award

Travel Awards
- 4:30 - 5:00 p.m.** **SBUR Annual Business Meeting – MEMBERS ONLY**
- 5:00 - 7:00 p.m.** **Poster Session #2: # P_ - P_**
- 7:00 p.m.** **Evening on Own**

SUNDAY, NOVEMBER 10, 2019

8:00 - 12:00 p.m.

Plenary Session VI: Microbiome and Inflammation

Discussion Leaders:

Karen S. Sfanos, Ph.D.
*Johns Hopkins Hospital
Baltimore, MD*

Praveen Thumbikat, PhD
*Northwestern University
Chicago, IL*

8:00 - 8:20 a.m.

International Speaker

Penile Elongation by Tunica Albuginea Remodeling

Jiu-Hong Yuan, MD, PhD
*Department of Urology
West China Hospital, Sichuan University
Chengdu, Sichuan Province, China*

8:20 – 8:30 a.m.

Discussion

8:30 – 8:50 a.m.

The Inflammatory Microenvironment and Microbiome in Prostate Cancer

Angelo M. De Marzo, MD, PhD
*Johns Hopkins Hospital
Baltimore, MD*

8:50 - 9:00 a.m.

Discussion

9:00 - 9:20 a.m.

Microbiome Interactions with Localized Prostate Cancer

Michael A. Liss, MD
*University of Texas Health Science Center
San Antonio, TX*

9:20 - 9:30 a.m.

Discussion

9:30 – 9:50 a.m.

Prostate inflammation, Microbiome and Koch's Postulates

Wade Bushman, M.D., Ph.D.
*University of Wisconsin Medical School
Madison, WI*

9:50 – 10:00 a.m.

Discussion

10:00 – 10:10 a.m.

Break

10:10 – 10:30 a.m.

Inflammation and Lower Urinary Tract Function: a Volatile Relationship

Jill A. Macoska, PhD
The University of Massachusetts Boston

Boston, MA

10:30 – 10:40 a.m.

Discussion

10:40 – 11:00 a.m.

**Strategies to Inhibit Androgen Receptor and STAT3 Signaling
in Prostate Cancer**

Zoran Culig, MD
*Innsbruck Medical University
Innsbruck, Austria*

11:00 – 11:10 a.m.

Discussion

11:10 – 11:30 a.m.

The Role of Emerging Pathogens in Male Urethritis

David E. Nelson, PhD
*Indiana University
Indianapolis, IN*

11:30 – 11:40 a.m.

Discussion

11:40 – 11:50 a.m.

Travel Award Presentation #8: TBD

11:50 – 11:55 a.m.

Discussion

11:55 – 12:00 p.m.

Farewell