

2021 ANNUAL MEETING

NOVEMBER 4-7

NOW MEETING VIRTUALLY!



2021 SBUR Fall Meeting Program Committee

Jindan Yu, MD, PhD (Chair), Northwestern University

Scott Dehm, PhD, University of Minnesota

Larisa Nonn, Ph.D., University of Illinois at Chicago

Shawn Lupold, Ph.D., John Hopkins University

Li Xin, Ph.D., University of Washington

Daniel Frigo, Ph.D., University of Texas MD Anderson Cancer Center

Susan Kasper, Ph.D., University of Cincinnati College of Medicine

Rosalyn Adam, Ph.D., Boston Children's Hospital & Harvard Medical School

Shu-Yuan Yeh, Ph.D., University of Rochester Medical Center, Department

LaMonica Stewart, Ph.D., Meharry Medical College

Guiting Lin, MD, Ph.D., University of California, San Francisco

Karen S. Sfanos, Ph.D., Johns Hopkins School of Medicine

Adam Murphy, MD

Will Ricke, Ph.D., University of Wisconsin School of Medicine and Public Health

Program Schedule

All times listed are Central Daylight Time

Thursday, November 4th

2:00-4:30pm Trainee Affairs Career Symposium

Chairs:

Daniel Frigo, PhD and Tanya Stoyanova, PhD

5:00-7:00pm Virtual Travel Awards Poster Presentations and Coffey Nominee Poster Presentations

Li Xin, PhD and Jindan Yu, PhD

Friday, November 5th

9:00-9:05am Welcome and Introduction

Susan Kasper, PhD, SBUR President

9:05-9:10am Tribute to Leland Chung

Michael Freeman, PhD

9:10-10:10am **Leland W. K. Chung Lecture**
Immune Response and Immunotherapy in Urological Diseases

Padmanee Sharma, MD, PhD
MD Anderson, TX

10:10-10:30am Leland W. K. Chung Lecture Discussion

Discussion Leaders:

Gail Prins, PhD and Jindan Yu, PhD

Friday, November 5th

Plenary Session I: Emerging Technologies and Models for Urological Research

Session Discussion Leaders:
Natasha Kyprianou, PhD and
Allen Gao, PhD

10:20-10:40am	Genetically Engineered Mouse Models of Urological Cancers	Cory Abate-Shen, PhD (Columbia University, NY)
10:40-11:00am	PDX and PDO Models to Study Bone Metastatic Prostate Cancer	Christina Jamieson, PhD (UCSD, CA)
11:00-11:20am	Programmable Genome Engineering for Chromosome Diseases and Gene Therapy	Stanley Qi, PhD (Stanford University, CA)
11:20-11:30am	Travel Award Presentation #1	TBD
11:30-11:40am	Travel Award Presentation #2	TBD
11:40am-12:00pm	Plenary Session I Discussion	Natasha Kyprianou, PhD and Allen Gao, PhD
12:00-12:30pm	Lunch Break	

Plenary Session II: Endocrine and Genetic Regulations in Urological Biology

Session Discussion Leaders:
Zhou Wang, PhD and Scott Dehm, PhD

12:30-12:50pm	Androgen Signaling, Luminal Epithelial Permeability, and Prostatic Inflammation in Glandular BPH	Zhou Wang, PhD (University of Pittsburgh, PA)
12:50-1:10pm	Tumor Suppressor FLCN Mediated Inhibition of Lactate Dehydrogenase-A and Regulation of the Warburg Effect in Kidney Cancer	Mehdi Mollapour, PhD (Upstate Medical Univ, NY)
1:10-1:30pm	Androgen Receptor Splice Variants In Prostate Cancer	Yan Dong, PhD (Tulane University, LA)
1:30-1:50pm	Understanding and Targeting Therapy-Induced Androgen Receptor Pathway Loss in Prostate Cancer	Joshi Alumkal, MD, (University of Michigan, MI)
1:50-2:10pm	Plenary Session II Discussion	Zhou Wang, PhD and Scott Dehm, PhD

Plenary Session III: Epigenetic Regulations of Urological Development and Diseases

Session Discussion Leaders:
Amina Zoubeidi, PhD and
Jelani Zarif, PhD

2:10-2:30pm	Regulation and Function of the Epigenetic Modulator EZH2 in Kidney Cancer	Haojie Huang, PhD (Mayo Clinic, MN)
2:30-2:50pm	Regulation of AR Signaling by NSD2 Histone Methyltransferase in Prostate Cancer	Irfan Asangani, PhD (University of Pennsylvania, PA)
2:50-3:10pm	Epigenetics In Chronic Pelvic Pain	Praveen Thumbikat, PhD (Northwestern, Chicago)
3:10-3:20pm	Travel Award Presentation #3	TBD
3:20-3:40pm	Plenary Session III Discussion	Amina Zoubeidi, PhD and Jelani Zarif, PhD
3:40-3:50pm	Break	

Friday, November 5th

Plenary Session III continued:
Epigenetic Regulations of Urological Development and Diseases

Session Discussion Leaders:
Leigh Ellis, MD and Benyi Li, MD, PhD

3:50-4:10pm Regulation of Genomic Integrity by m6A in Prostate Cancer

Kexin Xu, PhD
(UT Health San Antonio, TX)

4:10-4:30pm Distinct Genomic And Immune Hallmarks Of Renal Medullary Carcinoma

Pavlos Msaouel
(MD Anderson, TX)

4:30-4:40pm Travel Award Presentation #4

TBD

4:40-4:50pm Travel Award Presentation #5

TBD

4:50-5:10pm Plenary Session III Discussion

Leigh Ellis, MD and Benyi Li, MD, PhD

5:10-5:25pm AUA Office of Research:
Update on Urologic Research Support Opportunities

Carolyn Best, PhD
(American Urological Association)

5:25-5:30pm Discussion

Saturday, November 6th

Plenary Session IV:
Infection, Inflammation, and Immune Response in Urological Biology

Session Discussion Leaders:
Shafiq Khan, PhD and
Zongbing You, PhD

9:00-9:20am MYC, Microbes and the Prostate Tumor Immune Microenvironment

Sarki Abdulkadir, MD, PhD
(Northwestern University, IL)

9:20-9:40am Infection and Inflammation in Prostate Cancer Initiation

Karen Sfanos, PhD
(Johns Hopkins University, MD)

9:40-10:00am Prostate Cancer and Penile Cancer: Similarity in Immunosuppression?

Xin Lu, PhD
(University of Notre Dame, IN)

10:00-10:10am Travel Award Presentation #6

TBD

10:10-10:20am Travel Award Presentation #7

TBD

10:20-10:40am Plenary Session IV Discussion

Shafiq Khan, PhD and Zongbing You, PhD

10:40-10:50am Break

Saturday, November 6th

Plenary Session IV continued: Infection, Inflammation, and Immune Response in Urological Biology

Session Discussion Leaders:
Douglas Strand, PhD and
Travis Jerds, PhD

10:50–11:10am Host-Microbe Interactions in Lower Urinary Tract Disorders

A. Lenore Ackerman, MD, PhD
(UCLA, LA)

11:10–11:30am How Bacteria Co-Opt Respiration During UTI

Maria Hadjifrangiskou, PhD
(Vanderbilt University, TN)

11:30–11:50am Tumor Heterogeneity: Implications for Immunotherapy in Bladder Cancer

David DeGraff, PhD
(Penn State University, PA)

11:50am–12:10am Immunotherapy in Urothelial Carcinoma

Petros Grivas, MD, PhD
(University of Washington, WA)

12:10–12:30pm Plenary Session IV Discussion

Douglas Strand, PhD and Travis Jerde, PhD

12:30–1:00pm Lunch Break

1:00–2:00pm **AUA Lecture**
Targeting Adaptive Stress Pathways in Advanced Prostate Cancer

Martin Gleave, MD
(UBC, Canada)

2:00–2:10pm Discussion

Discussion Leaders:
Hari Koul, PhD and Shuk-Mei Ho, PhD

Plenary Session V: Biomarkers, Environmental Factors, and Health Disparities in Urological Diseases

Session Discussion Leaders:
Hari Koul, PhD and Shuk Mei Ho, PhD

2:10–2:30pm Regulation of Prostatic Androgen Import by Vitamin D and MEGALIN

Larisa Nonn, PhD
(University of Illinois at Chicago, IL)

2:30–2:50pm Clinical Implications of Genomic Classifiers for African American Men with Prostate Cancer

Kosj Yamoah, MD
(Moffitt Cancer Center, FL)

2:50–3:00pm Plenary Session V Discussion

Hari Koul, PhD and Shuk-Mei Ho, PhD

3:00–4:00pm **Panel Discussion**
Health Disparity in Urological Diseases

Moderator:
Ganesh Raj, MD, PhD
Patient Advocates:
Mr. Michael Crosby and Mrs. Jan Manarite
Clayton Yates, PhD
(Tuskegee University, AL)
Rosalyn Adam, PhD
(Harvard University, MA)
Adam Murphy, MD
(Northwestern Univ, IL)
Jennifer Anger, MD
(Cedars Sinai, CA)

4:00–4:10pm Break

Saturday, November 6th

SBUR Awards Presentation

- Meritorious Achievement Award
- Minority Scholar Award
- Young Investigators Awards
- Eula and Donald Coffey Innovative Research Award
- Travel Awards

4:10-4:45pm

4:45-5:15pm SBUR Annual Business Meeting

5:15-7:15pm Poster Hall Social

Sunday, November 7th

Plenary Session VI: Urological Stem Cells, Lineage Plasticity, and Treatment Resistance

Session Discussion Leaders:
Jiaoti Huang, PhD and Leah Cook, PhD

9:00-9:20am Investigation of Bladder Regeneration and Tumorigenesis by Application of Single Cell RNA-seq

Weiqliang Gao, PhD
(International Scholar)

9:20-9:40am Defining Cells of Origin and Oncogenic Drivers for Urologic Cancers

Jung Wook Park, PhD
(Duke University, NC)

9:40-10:00am Germ Cells And Male Infertility

Dolores J. Lamb, PhD
(Weill Cornell University, NY)

10:00-10:20am Human Urine-derived Stem Cells for Urological Applications

Yuanyuan Zhang, PhD
(Wake Forest University, NC)

10:20-10:40am Plenary Session VI Discussion

Jiaoti Huang, PhD and Leah Cook, PhD

10:40-10:50am Break

Plenary Session VI continued: Urological Stem Cells, Lineage Plasticity, and Treatment Resistance

Session Discussion Leaders:
Tim Ratliff, PhD and Susan Kasper, PhD

10:50-11:10am The cfDNA Methylome Captures Distinction Between Primary and Metastatic Prostate Tumors

Hansen He, PhD
(University of Toronto, Canada)

11:10-11:30am Targeting the Lineage Plasticity Driven Resistance in Advanced Prostate Cancer

Ping Mu, PhD
(UT Southwestern, TX)

11:30-11:50am Features of Benign Prostate Stem-Like Cells that May Emerge in Metastasis

Isla Garraway, MD, PhD
(UCLA, CA)

11:50am-12:00pm Travel Award Presentation #8

TBD

12:00-12:20pm Plenary Session VI Discussion

Tim Ratliff, PhD and Susan Kasper, PhD

12:20-12:30pm Closing Remarks

Susan Kasper, PhD, SBUR President