



**PRECISION MEDICINE IN UROLOGY:  
MOLECULAR MECHANISMS, DIAGNOSTICS  
AND THERAPEUTIC TARGETS**

*November 8-11, 2018*

**WESTIN MISSION HILLS GOLF RESORT & SPA  
RANCHO MIRAGE, CA**

**2018 Program Committee:**

**Marc Cox, PhD (SBUR Chair)  
Zongbing You, MD, PhD (2019 SBUR Chair)  
Scott Dehm, PhD (2020 Chair)  
Cindy Miranti, PhD (Advisor)  
Larisa Nonn, PhD  
Douglas Strand, PhD  
Allen Gao, MD, PhD  
X. Sean Li, PhD**

**Ganesh Raj, President, *ex officio*  
Hari Koul, Past President, *ex officio***

**THURSDAY, NOVEMBER 8, 2018**

- |                         |   |
|-------------------------|---|
| <b>1:00 - 8:00 p.m.</b> | <b>Registration</b>   |
| <b>3:00 - 3:15 p.m.</b> | <b>Welcome &amp; Introductory Remarks</b><br>Ganesh Raj, MD, PhD<br><i>SBUR President</i><br><i>University of Texas Southwestern</i><br><i>Dallas, TX</i>   |
| <b>3:15 - 5:00 p.m.</b> | <b>Plenary Session I: Basic Mechanisms in Urologic Disease I</b><br><br>Discussion Leaders:<br><br>Douglas Strand, PhD<br><i>UT Southwestern Medical Center</i><br><i>Dallas, TX</i><br><br>X. Sean Li, PhD<br><i>Boston Children's Hospital</i><br><i>Boston, MA</i> |
| <b>3:15 - 3:40 p.m.</b> | <b>Molecular Events Associated with Prostate Cancer Progression</b><br>Eva Corey, PhD   |

*\*topics, speakers and events subject to change*

*University of Washington  
Seattle, WA*

**3:40 - 3:50 p.m.**

**Discussion**

**3:50 - 4:15 p.m.**

**Estrogenic Actions in Prostate Stem and Progenitor Cells**

Gail Prins, PhD  
*University of Illinois Chicago  
Chicago, IL*

**4:15 - 4:25 p.m.**

**Discussion**

**4:25 - 4:50 p.m.**

**The Pathogenesis of Prostate Cancer Bone Metastases**

Nora Navone, MD, PhD  
*University of Texas MD Anderson Cancer Center Houston, TX*

**4:50 - 5:00 p.m.**

**Discussion**

**5:00 - 5:15 p.m.**

**Break**

**5:15 - 6:30 p.m.**

**Keynote Session: Perspectives on Transcriptional Regulation**

Discussion Leaders:

Marc B. Cox, PhD  
*University of Texas at El Paso  
El Paso, TX*

Zongbing You, MD  
*Tulane University  
New Orleans, LA*

**5:15 - 6:15 p.m.**

**Leland W.K. Chung Lecture  
Mechanisms of Estrogen Receptor-Mediated Transcription**

Jason Carroll, PhD  
*Cancer Research UK Cambridge Institute  
University of Cambridge*

**6:15 - 6:30 p.m.**

**Discussion**

**6:30 - 8:00 p.m.**

**Trainee Affairs Career Symposium**

Shawn Lupold, PhD  
*Trainee Affairs Committee Chair*

**Formulating a career development plan to maximize training productivity**

Chad Vezina, PhD  
**Career Paths: Medical Science Liaison**

*\*topics, speakers and events subject to change*

Bryan Husbeck, PhD  
**Nuts and bolts of setting up and running a research lab** -  
Jim Mohler, MD

8:00 - 10:00 p.m.      **Welcome Reception and Networking**

## **FRIDAY, NOVEMBER 9, 2018**

8:00 a.m. - noon      **Plenary Session II: Androgen Receptor-Targeted Therapies  
and Mechanisms of Treatment Resistance**

Discussion Leaders:

Scott Dehm, PhD  
*University of Minnesota*  
*Minneapolis, MN*

Allen Gao, MD, PhD  
*University of California Davis Health*  
*Sacramento, CA*

8:00 - 8:25 a.m.      **Mechanisms of Resistance to Anti-Androgens**  
Steven Balk, MD, PhD  
*Harvard Medical School*  
*Beth Israel Deaconess Medical Center*  
*Boston, MA*

8:25 - 8:35 a.m.      **Discussion**

8:35 - 9:00 a.m.      **Targeting the Androgen Receptor BF3 Surface**  
Artem Cherkasov, PhD  
*The Prostate Centre*  
*Vancouver General Hospital*  
*Vancouver, British Columbia, Canada*

9:00 - 9:10 a.m.      **Discussion**

9:10 - 9:35 a.m.      **Does the Post-Receptor Level Provide Novel  
Opportunities?**  
Hannelore Heemers, PhD  
*Cleveland Clinic*  
*Lerner Research Institute*  
*Cleveland, OH*

9:35 - 9:45 a.m.      **Discussion**

9:45 - 10:00 a.m.      **Break**

*\*topics, speakers and events subject to change*

- 10:00 - 10:25 a.m.**      **Factors Driving Castration Resistance**  
 Natasha Kyprianou, PhD  
*University of Kentucky*  
*Lexington, KY*
- 10:25 - 10:35 a.m.**      **Discussion**
- 10:35 - 10:50 a.m.**      **Travel Award Presentation #1: TBD**
- 10:50 - 10:55 a.m.**      **Discussion**
- 10:55 - 11:20 a.m.**      **Targeting Androgen Receptor-Chromatin Interactions**  
 Paul Rennie, PhD  
*The Prostate Centre*  
*Vancouver General Hospital*  
*Vancouver, British Columbia, Canada*
- 11:20 - 11:30 a.m.**      **Discussion**
- 11:30 - 11:45 a.m.**      **Travel Award Presentation #2: TBD**
- 11:45 - 11:55 a.m.**      **Discussion**
- 12:00 - 1:30 p.m.**      **Lunch**
- 1:30 - 5:00 p.m.**      **Plenary Session III: Emerging Targeted Therapies and  
 Diagnostics in Urologic Disease**  
 Discussion Leaders:  
 Mehdi Mollapour, PhD  
*SUNY Upstate Medical University*  
*Syracuse, NY*  
 Rosalyn Adam, PhD  
*Harvard Medical School*  
*Cambridge, MA*
- 1:30 - 2:30 p.m.**      **AUA Lecture**  
**Targeting Phenotypic Heterogeneity in Benign Prostatic  
 Hyperplasia**  
 Claus Roehrborn, MD  
*University of Texas Southwestern*  
*Dallas, TX*
- 2:30 - 2:40 p.m.**      **Discussion**
- 2:40 - 3:05 p.m.**      **Novel Strategies to Reduce the Accumulation of Colon-  
 Derived Uremic Solutes**  
 Timothy Meyer, MD

*\*topics, speakers and events subject to change*

*Stanford University  
Stanford, CA*

- 3:05 – 3:15 p.m.**                    **Discussion**
- 3:15 – 3:30 p.m.**                    **Break**
- 3:30 - 3:55 p.m.**                    **CCR2 Antagonists for the Treatment of Bladder Cancer**  
Shu-Yuan Yeh, PhD  
*University of Rochester  
Rochester, NY*
- 3:55 - 4:05 p.m.**                    **Discussion**
- 4:05 - 4:30 p.m.**                    **Prognostic Indicators in Benign Prostatic Hyperplasia**  
James Brooks, MD  
*Stanford University  
Stanford, CA*
- 4:30 - 4:40 p.m.**                    **Discussion**
- 4:40 – 5:05 p.m.**                    **PSMA-Targeted Therapies and CTC enumeration as a prognostic indicator**  
Kenneth Pienta, MD  
*Johns Hopkins School of Medicine  
Baltimore, MD*
- 5:05 – 5:15 p.m.**                    **Discussion**
- 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 10, 2018**

- 8:00 – 9:45 a.m.**                    **Plenary Session IV: Health Disparities in Urologic Disease**
- Discussion Leaders:
- Larisa Nonn, PhD  
*University of Illinois Chicago  
Chicago, IL*
- Xiuping Yu, PhD  
*LSU Health Shreveport  
Shreveport, LA*

*\*topics, speakers and events subject to change*

- 8:00 - 8:25 a.m.**                    **Ancestry-Informative Genetic Markers to Assess Disease Risk and Outcomes**  
Rick Kittles, PhD  
*City of Hope National Medical Center*  
*Duarte, CA*
- 8:25 - 8:35 a.m.**                    **Discussion**
- 8:35 - 9:00 a.m.**                    **Prostate Tumor Alterations in African Men**  
Anna Woloszynak-Read, PhD  
*Roswell Park Cancer Institute*  
*Buffalo, NY*
- 9:00 - 9:10 a.m.**                    **Discussion**
- 9:10 - 9:35 a.m.**                    **Ethnic Differences in the Biology/Genetics of Prostate Cancer**  
Isaac Powell, MD  
*Wayne State University*  
*Detroit, MI*
- 9:35 - 9:45 a.m.**                    **Discussion**
- 9:45 - 10:00 a.m.**                    **Break**
- 10:00 - 11:30 a.m.**                    **Panel Discussion**  
**Personalized and Precision Medicine in Urologic Disease: Are We There Yet?**
- Discussion Leaders:
- Ganesh Raj, MD, PhD  
*SBUR President*  
*University of Texas Southwestern Medical Center*  
*Dallas, TX*
- Hari Koul, PhD  
*Past SBUR President*  
*LSU Health Shreveport*  
*Shreveport, LA*
- Panelists:
- William Ricke, PhD**  
*Director, O'Brien Center for Benign Urologic Research*  
*University of Wisconsin School of Medicine and Public Health*  
*Madison, WI*
- Cathy Mendelsohn, PhD**  
*Director, Columbia University O'Brien Center*

*\*topics, speakers and events subject to change*

*New York, NY*

**Zhou Wang, PhD**

*Director, O'Brien Urology Research Center  
University of Pittsburgh  
Pittsburgh, PA*

**John Lieske, MD**

*Director, O'Brien Urology Research Center  
Mayo Clinic  
Rochester, MN*

- 11:30 – 11:45 a.m.**      **Awards Presentations**
- Distinguished Service Award**
- Meritorious Achievement Award**
- Young Investigator Awards**
- 11:45 a.m. – 12:15 p.m.**      **SBUR Annual Business Meeting – MEMBERS ONLY**
- 12:15 - 1:30 p.m.**      **Lunch**
- 1:30 - 5:10 p.m.**      **Plenary Session V: Emerging Technologies and Models in Urologic Disease**
- Discussion Leaders:
- Daniel Frigo, PhD  
*University of Texas MD Anderson Cancer Center  
Houston, TX*
- Christina Jamieson, PhD  
*University of California San Diego  
San Diego, CA*
- 1:30 - 1:55 p.m.**      **Single Cell Genomics**  
                                 Gary Hon, PhD  
*University of Texas Southwestern  
Dallas, TX*
- 1:55 - 2:05 p.m.**      **Discussion**
- 2:05 - 2:30 p.m.**      **Metabolomics Profiling of Hormone-Dependent Cancers**  
                                 Arun Sreekumar, PhD  
*Baylor College of Medicine  
Houston, TX*
- 2:30 - 2:40 p.m.**      **Discussion**

*\*topics, speakers and events subject to change*

- 2:40 - 3:05 p.m.**                    **Inflammation in Prostatic Carcinogenesis and Tumor Progression**  
Stephen Hammes, MD, PhD  
*University of Rochester Medical Center*  
*Rochester, NY*
- 3:05 - 3:15 p.m.**                    **Discussion**
- 3:15 - 3:30 p.m.**                    **AUA Office of Research Update**  
Carolyn Best, PhD
- 3:30 - 3:45 p.m.**                    **Break**
- 3:45 - 4:10 p.m.**                    **Digital Image Analysis and Machine Learning to Analyze  
the Tumor Microenvironment in Renal Cancer**  
Beatrice Knudsen, MD, PhD  
*Cedars-Sinai Medical Center*  
*Los Angeles, CA*
- 4:10 - 4:20 p.m.**                    **Discussion**
- 4:20 - 4:35 p.m.**                    **Travel Award Presentation #3: TBD**
- 4:35 - 4:40 p.m.**                    **Discussion**
- 4:40 - 5:05 p.m.**                    **Obesity Models for Prostate Cancer**  
Jennifer Doll, PhD  
*University of Wisconsin Milwaukee*  
*Milwaukee, WI*
- 5:05 - 5:15 p.m.**                    **Discussion**
- 5:15 - 7:15 p.m.**                    **Poster Session #2: # P\_ - P\_**
- 7:00 - 7:15 p.m.**                    **Presentation of 2018 Travel Awards**  
Scott Dehm, PhD  
*Abstract and Travels Awards Committee Chair*
- 7:15 p.m.**                                **Evening on Own**

## **SUNDAY, NOVEMBER 11, 2018**

- 8:00 - 10:20 a.m.**                    **Plenary Session VI: Basic Mechanisms in Urologic Disease II**
- Discussion Leaders:  
Magdalena Grabowska, PhD

*\*topics, speakers and events subject to change*



*Case Western Reserve University School of Medicine  
Cleveland, OH*

*Cynthia Miranti, PhD  
University of Arizona College of Medicine  
Tucson, AZ*

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| <b>8:00 - 8:25 a.m.</b>   | <b>International Speaker</b><br><b>Role of LAT1 in Urologic Cancers</b><br>Shinichi Sakamoto, MD, PhD<br><i>Chiba University<br/>Chiba, Japan</i> |
| <b>8:25 - 8:35 a.m.</b>   | <b>Discussion</b>   |
| <b>8:35 - 9:00 a.m.</b>   | <b>Detrusor Interstitial Cells in the Urinary Bladder</b><br>Kenton Sanders, PhD<br><i>University of Nevada Reno<br/>Reno, NV</i>                 |
| <b>9:00 - 9:10 a.m.</b>   | <b>Discussion</b>   |
| <b>9:10 - 9:35 a.m.</b>   | <b>Cellular Pathogenesis of Benign Prostatic Hyperplasia</b><br>Douglas Strand, PhD<br><i>University of Texas Southwestern<br/>Dallas, TX</i>     |
| <b>9:35 - 9:45 a.m.</b>   | <b>Discussion</b>   |
| <b>9:45 - 10:00 a.m.</b>  | <b>Travel Award Presentation #3: TBD</b>  |
| <b>10:00 - 10:05 a.m.</b> | <b>Discussion</b>   |
| <b>10:05 - 10:20 a.m.</b> | <b>Farewell</b>   |