

The Environment-Gene Interface in Urologic Health and Disease

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THURSDAY, NOVEMBER 12, 2015

Noon - 8:00 p.m.	Registration
2:30 p.m. - 5:00 p.m.	Board of Directors Meeting
5:45 - 6:00 p.m.	Welcome & Introductory Remarks <i>Gail Prins, PhD</i> <i>SBUR President</i>
6:00 - 7:00 p.m.	Leland W.K. Chung Lecture Hypoxia, Metabolism and Tumor Progression M. Celeste Simon, PhD <i>Abramson Family Cancer Research Institute</i> <i>University of Pennsylvania</i> <i>Philadelphia, PA</i>
7:00 - 7:15 p.m.	Travel award winner
7:15 - 9:00 p.m.	Networking Reception

FRIDAY, NOVEMBER 13, 2015

7:00 - 8:00 a.m.

Continental Breakfast

8:00 a.m. – 12:10 p.m.

**Plenary Session I:
Inflammation, Infection and Immunity in Urology**

Moderators:

Andrea Morrione, PhD
*Thomas Jefferson University
Philadelphia, PA*

Susan Kasper, PhD
*Kettering Lab Complex
Cincinnati, OH*

8:05 - 8:30 a.m.

PDL1/PD1 Trials in Bladder Cancer

Joaquim Bellmunt, MD
*Dana-Farber Cancer Institute
Boston, MA*

8:30 - 8:55 a.m.

Inflammation in the Lower Urinary Tract

Dale Bjorling, DVM
*University of Wisconsin-Madison
Madison, WI*

8:55 - 9:20 a.m.

LL37 in Bladder Inflammation and Pain

Siam Oottamasathien, MD
*University of Utah
Salt Lake City, UT*

9:20 - 9:45 a.m.

Exploiting Anti-Tumor Immunity for Renal Cell Carcinoma

Thomas Griffith, PhD
*University of Minnesota
Minneapolis, MN*

9:45 - 10:10 a.m.

Pelvic Inflammation and Bladder Dysfunction

Anna Malykhina, PhD
*University of Colorado - Denver
Aurora, CO*

10:10 - 10:40 a.m.

Break

10:40 - 11:05 a.m.

**Regulations of MicroRNAs and Inflammatory Genes in
Prostatic Stroma and Epithelium by Vitamin D**

Larisa Nonn, PhD
*University of Illinois-Chicago
Chicago, IL*

11:05 - 11:30 a.m.	Uropathogenic E. Coli Biofilms and Metabolite Sensors During Infection Maria Hadjifrangiskou, PhD <i>Vanderbilt University School of Medicine</i> <i>Nashville, TN</i>
11:30 - 11:55 a.m.	Prostatic Inflammatory Hyperplasia Travis Jerde, PhD <i>Indiana University</i> <i>Indianapolis, IN</i>
11:55 a.m. – 12:10 p.m.	Travel Award Winner
12:10 - 1:30 p.m.	Lunch
1:30 - 1:45 p.m.	AUA Office of Research Update Carolyn Best, PhD <i>AUA Director of Research</i> <i>Linthicum, MD</i>
1:45 – 4:30 p.m.	Plenary Session II: Metabolism, Metabolic Syndrome and Urologic Disease Moderators: Douglas Strand, PhD <i>University of Texas-Southwestern</i> <i>Dallas, TX</i> Rosalyn Adam, PhD <i>Boston Children’s Hospital</i> <i>Boston, MA</i>
1:45 - 2:10 p.m.	Diabetes Mellitus and Lower Urinary Tract Dysfunction Matthew Fraser, PhD <i>Duke University</i> <i>Durham, NC</i>
2:10 - 2:35 p.m.	Molecular Mechanisms Driving Obese Adipose Stimulation of Prostate Cancer Cells Jennifer Doll, PhD <i>University of Wisconsin-Milwaukee</i> <i>Milwaukee, WI</i>
2:35 - 3:00 p.m.	Cell-Specific Responses to Comorbidities in BPH Douglas Strand, PhD <i>University of Texas-Southwestern</i> <i>Dallas, TX</i>
3:00 - 3:25 p.m.	Break

- 3:25 - 3:50 p.m.** **The Influence of Intermittent Hypoxia and Diabetes On Lower Urinary Tract Function**
Chad Vezina, PhD
University of Wisconsin-Madison
Madison, WI
- 3:50 - 4:15 p.m.** **Metabolic Syndrome and Urologic Disease**
Steven Kaplan, MD
Icahn School of Medicine & Mount Sinai Health System
New York, NY
- 4.15 - 4.30 p.m.** **Travel Award Winner**
- 4:30 - 6:30 p.m.** **Poster Session I & Travel Awards Reception**

SATURDAY, NOVEMBER 14, 2015

- 7:00 - 8:00 a.m.** **Continental Breakfast**
- 8:00 - 9:45 a.m.** **Plenary Session III:
Endocrine Disruptors and Urologic Disease**
- Moderators:
- X. Sean Li, PhD
Boston Children's Hospital
Boston, MA
- Jennifer Isaacs, PhD
Hollings Cancer Center
Charleston, SC
- 8:00 - 8:30 a.m.** **Endocrine Disrupting Chemicals, Prostate Stem Cells and Carcinogenesis**
Gail S. Prins, PhD
University of Illinois at Chicago
Chicago, IL
- 8:30 - 8:55 a.m.** **Endocrine Disruption and External Genital Malformations**
Martin J. Cohn, PhD
University of Florida
Gainesville, FL
- 8:55 - 9:20 a.m.** **AhR Action and Prostate Cancer**
Joann Powell, PhD
Clark Atlanta University
Atlanta, GA

9:20 - 9:45 a.m.	Phthalate Exposure and Testicular Dysgenesis Vassilli Papadopoulos, DPharm, PhD <i>McGill University</i> <i>Montreal, QC, Canada</i>
9:50 - 10:00 a.m.	Awards announcement
10:00 a.m. - Noon	Poster Session II
Noon - 1:30 p.m.	Lunch on Your Own
1:30 - 2:10 p.m.	AUA Lecture: A Role for Toll Like Receptor Sensitization in Interstitial Cystitis/Painful Bladder Syndrome Michael O'Donnell, MD <i>University of Iowa</i> <i>Iowa City, IA</i>
2:15 - 6:00 p.m.	Plenary Session IV: Sex, Race and Ethnicity: Impact on Urologic Disease Moderators: ShuYuan Yeh, PhD <i>University of Rochester</i> <i>Rochester, NY</i> Leigh Ellis, PhD <i>Roswell Park Cancer Institute</i> <i>Buffalo, NY</i>
2:15 - 2:40 p.m.	Molecular Factors That May Contribute to Racial Disparities in PCa Isaac Powell, MD, PhD <i>Wayne State University/Karmanos Cancer Institute</i> <i>Detroit, MI</i>
2:40 - 3:05 p.m.	Sickle Cell Disease-Associated Priapism and Lower Urinary Tract Dysfunction Trinity Bivalacqua, MD, PhD <i>Johns Hopkins University</i> <i>Baltimore, MD</i>
3:05 - 3:30 p.m.	FOXA1 and Gender Differences in Bladder Cancer David DeGraff, PhD Hershey Medical College <i>Penn State University</i> <i>Hershey, PA</i>
3:30 - 3:55 p.m.	Sexual Dimorphism of the Internal and External Genitalia Linda Baker, MD <i>University of Texas-Southwestern</i> <i>Dallas, TX</i>

3:55 - 4:20 p.m.

Stem Cells and Pelvic Floor Dysfunction

Margot S. Damaser, PhD
The Cleveland Clinic
Cleveland, OH

4:20 - 4:35 p.m.

Travel Award Winner

4:45 - 6:00 p.m.

**Discussion Forum:
Emerging Model Systems for Research**

Moderators:

Cindy Miranti, PhD
Van Andel Institute
Grand Rapids, MI

Chad Vezina, PhD
University of Wisconsin-Madison
Madison, WI

SUNDAY, NOVEMBER 15, 2015

7:00 - 8:00 a.m.

Continental Breakfast

8:00 a.m. - Noon

**Plenary Session V:
Nutritional Aspects of Urologic Disease**

Moderators:

Marc Cox, PhD
University of Texas at El Paso
El Paso, TX

Daniel Frigo, PhD
University of Houston
Houston, TX

8:00 - 8:30 a.m.

**Overview of the Session: Phytochemicals and Hormonally-
Based Supplements Modulate Androgenic Pathways in
Human Prostate Stromal and Epithelial Cells**

Julia T. Arnold, PhD

8:30 - 8:55 a.m.

Retinoids, Bladder Development and Cancer

Cathy Mendelsohn, PhD
Columbia University
New York, NY

8:55 - 9:20 a.m. **Androgen Receptor and Vav3 Interactions Reveal Novel Therapeutic Approaches for CRPC**
Kerry Burnstein, PhD
University of Miami
Miami, FL

9:20 - 9:45 a.m. **Role of Redox Signaling in Prostate Cancer Progression and Castrate Resistance**
Hari Koul, PhD
LSU School of Medicine-Shreveport
Shreveport, LA

9:45 - 10:10 a.m. **Folate Metabolism and PCa**
Dominic Smiraglia, PhD
Roswell Park Cancer Institute
Buffalo, NY

10:10 - 10:25 a.m. **Break**

10:25 - 10:40 a.m. **NIDDK Strategic Plan**
Tracy L. Rankin, PhD
NIDDK/NIH
Bethesda, MD

10:40 - 11:05 a.m. **Dietary Supplement and Combination Therapy in Kidney and Prostate Cancer**
Vinata Lokeshwar, PhD
Georgia Regents University
Augusta, GA

11:05 - 11:30 a.m. **Cholesterol and Prostate Disease**
Michael Freeman, PhD
Cedars-Sinai Medical Center
Los Angeles, CA

11:30 - 11:55 am **Vitamin D and PCa**
Nancy Weigel, PhD
Baylor College of Medicine
Houston, TX

11:55 a.m. – 12:10 p.m. **Travel Award Winner**

12:10 - 12:15 p.m. **Farewell**
Gail Prins, PhD
SBUR President