



**University of Pittsburgh
O'Brien Benign Urology Research Center
Mini-Symposium on BPH/LUTS
Monday, June 19, 2017
Herberman Conference Center
Auditorium and Classrooms ABC
UPMC Cancer Pavilion / Pittsburgh, PA**

*Supported by the University of Pittsburgh O'Brien Urology [Cooperative] Research Center NIH/NIDDK 1U54DK112079

MORNING SESSION

- *8:30 a.m.-9:00 a.m. **Breakfast** (will be provided)
- 9:00 a.m. – 9:05 a.m. **Introduction & Welcome**
Joel B. Nelson, M.D.
University of Pittsburgh
- 9:05 a.m.-9:45 a.m. **Keynote Lecture:** *Prostate stem cells as hormone targets in the regulation of homeostasis and disease susceptibility.*
Gail S. Prins, Ph.D.
University of Illinois at Chicago
- 9:45 a.m.- 9:50 a.m. Questions & Discussion
- 9:50 a.m.-10:10 a.m. *Variation in the treatment of BPH*
Bruce L. Jacobs, M.D.
University of Pittsburgh
- 10:10 a.m.-10:15 a.m. Questions & Discussion
- *10:15 a.m.-10:25 a.m. **Break**
- 10:25 a.m.-10:45 a.m. *Potential Role of the Bladder mucosa in BPH/LUTS*
Lori Birder, Ph.D.
University of Pittsburgh
- 10:45 a.m. -10:50 a.m. Questions & Discussion
- 10:50 a.m.-11:10 a.m. *Potential Mechanisms underlying bladder and afferent sensitization in prostatic inflammation*
Naoki Yoshimura, M.D., Ph.D.
University of Pittsburgh
- 11:10 a.m.-11:15: a.m. Questions & Discussion
- 11:15 a.m.-11:35 a.m. *Opposing Roles for Cox-2 in Regulating Estrogen Receptor-beta Function in the Prostate*
Donald B. DeFranco, Ph.D.
University of Pittsburgh
- 11:35 p.m.-11:40 a.m. Questions & Discussion

- 11:40 a.m.-12:00 p.m. *Molecular Signatures of Prostatic Inflammation in Rodent and Human BPH Specimens*
Pradeep Tyagi, Ph.D.
University of Pittsburgh
- 12:00 p.m.-12:05 p.m. Questions & Discussion
- *12:05 p.m.-1:05 p.m. **Lunch** (will be provided)

AFTERNOON SESSION

- 1:05 p.m.-1:45 p.m. **Keynote Lecture:** *Identifying molecular mechanisms of BPH/LUTS and prostate cancer using mouse models*
Paul C. Marker, Ph.D.
University of Wisconsin-Madison
- 1:45 p.m.-1:50 p.m. Questions & Discussion
- 1:50 p.m.-2:10 p.m. *Modulation of umbrella cell tight junctions during bladder filling and voiding*
Gerard Apodaca, Ph.D.
University of Pittsburgh
- 2:10 p.m.-2:15 p.m. Questions & Discussion
- 2:15 p.m.-2:35 p.m. *TGF- β 1 increases prostatic luminal epithelial layer permeability*
Feng Li, M.D.
University of Pittsburgh
- 2:35 p.m.-2:40 p.m. Questions & Discussion
- 2:40 p.m. **Closing Remarks**
Zhou Wang, Ph.D.
University of Pittsburgh