

# Solving the Puzzle of Complex Disorders with Patient Specimens, Animal Models and Biomarker Discovery

## Monday June 30, 2014

### Genitourinary Disorders

9:00 a.m. Dr. Ralph Buttyan, Vancouver Prostate Centre  
*Developmental Plasticity in the Prostate Tumor Microenvironment*

9:40 a.m. Dr. Tim Ratliff, Purdue University  
*Modulation of Prostate Biology by Autoimmune Inflammation*

10:40 a.m. Dr. Michelle Southard-Smith, Vanderbilt University  
*Analysis of Lower Urinary Tract Development Implicates Serotonin Receptor Signaling in Bladder Dysfunction*

11:20 a.m. Dr. Praveen Thumbikat, Northwestern University  
*Microbial Control of Immune Homeostasis in the Prostate*

12:00 p.m. Dr. Dale Bjorling, University of Wisconsin  
*Benign Prostatic Disease Models and Lower Urinary Tract Function Testing in Rodents*

12:20 p.m. Lunch provided

1:15 p.m. Poster Session *Pharmacy Commons*

## Tuesday July 1, 2014

### Biomarker Discovery

9:00 a.m. Dr. Bob Weiss, UC Davis  
*Metabolomics in Kidney Cancer: From Biofluids to Therapeutic Targets*

9:40 a.m. Dr. Thomas Conrads, University of Pittsburgh  
*Proteomic Applications in the Study of Ovarian Carcinogenesis*

10:40 a.m. Dr. David Lubman, University of Michigan  
*Immuno-Laser Capture Microdissection/Liquid Chromatography Mass Spectrometry for the Study of Pancreatic Cancer Stem Cells*

11:20 a.m. Dr. Michael Freeman, Cedars-Sinai  
*New Concepts in Tumor Cell Plasticity*

12:00 p.m. Tyler Greer, University of Wisconsin  
*Identification and Comparison of Candidate Biomarkers from Lower Urinary Tract Symptoms (LUTS) in Mouse Models and Human Patients*

12:20 p.m. Lunch provided

1:15 p.m. Poster Session *Pharmacy Commons*

**Topic focus: complex symptomatic disorders, chronic pain, neoplasia, biomarker discovery, systems biology, and mass spectrometry based proteomics and metabolomics**

## School of Pharmacy, 2002 Rennebohm Hall

### ACROSS

5 From Greek προστάτης , literally "one who stands before", "protector", "guardian"

7 "Signs and \_\_\_\_\_"

8 Less high

9 The study of chemical processes involving metabolites

### DOWN

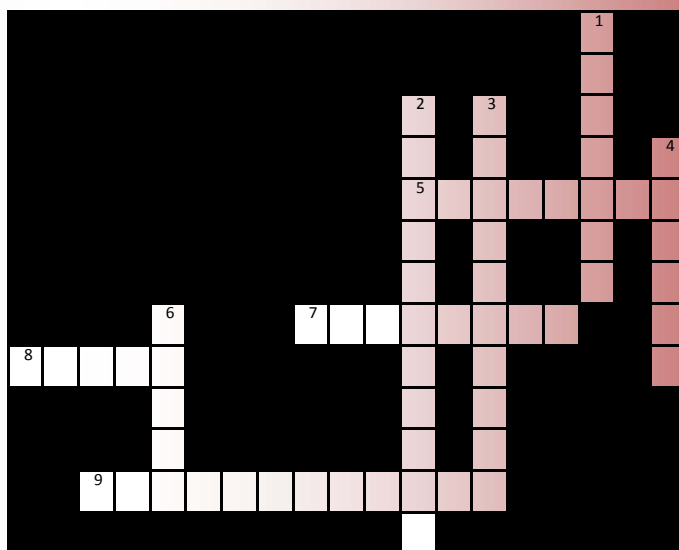
1 "\_\_\_\_\_ bladder"

2 Increase in the number of cells

3 Large scale study of proteins, particularly their structures and functions

4 Condition, tumor, or growth that is not cancerous

6 A major passage in the body



Answers to crossword found on website

Sponsored By:

The University of Wisconsin Department of Urology

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**FOR INFORMATION AND POSTER REGISTRATION:  
[WWW.UROLOGY.WISC.EDU/RESEARCH/P20-LUTS](http://WWW.UROLOGY.WISC.EDU/RESEARCH/P20-LUTS)**

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