

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

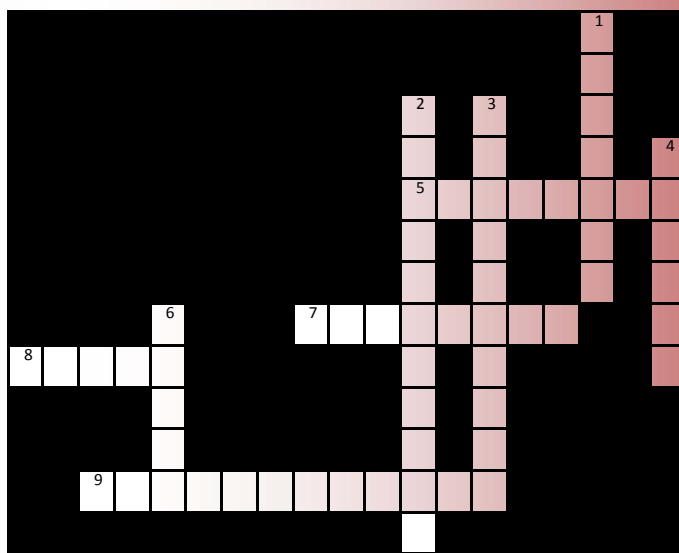
1 "_____ bladder"

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

The University of Wisconsin School of Pharmacy

National Institute of Diabetes and Digestive and Kidney Diseases

**FOR INFORMATION AND POSTER REGISTRATION:
WWW.UROLOGY.WISC.EDU/RESEARCH/P20-LUTS**

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