

The University of Wisconsin O'Brien Center is pleased to announce the first annual symposium on

Role of Fibrosis in Signaling and Lower Urinary Tract Disease

April 8-9, 2015

University of Wisconsin Fluno Center

Keynote Speaker

Ben Humphreys, MD, PhD, is associate professor at Harvard Medical School and associate physician at Brigham and Women's Hospital in Boston, Massachusetts.

Event Speakers

Paul Campagnola, PhD, is professor in the Departments of Biomedical Engineering and Medical Physics at the University of Wisconsin.

Kevin Eliceiri is senior scientist in the Department of Molecular Biology and director of Medical Imaging at the Morgridge Institute for Research at the University of Wisconsin.

Wei Huang, MD, is associate professor is the Department of Pathology and Laboratory Medicine at the University of Wisconsin.

Patti Keely, PhD, is professor and chair in the Department of Cell and Regenerative Biology at the University of Wisconsin.

Jill Macoska, PhD, is the Alton J. Brann Distinguished Professor of Science and Mathematics, professor of Biological Sciences, and director for the Center for Personalized Cancer Therapy at the University of Massachusetts, Boston.

Will Ricke, PhD, is associate professor and director of research in the Department of Urology at the University of Wisconsin.

Linda Schuler, PhD, is professor in the Department of Comparative Biosciences at the University of Wisconsin.

Tom Wynn, PhD, is senior investigator at the National Institute of Allergy and Infectious Diseases (NIAID)/National Institutes of Health (NIH) in Bethesda, Maryland.



About the O'Brien Center

The George M. O'Brien Center for Benign Urology Research is funded by a U54 cooperative agreement administered by the National Institute of Diabetes and Digestive and Kidney Diseases of the National Institutes of Health (U54DK104310). The Center is led by William Ricke, PhD, of the Department of Urology, and Dale Bjorling, DVM, of the School of Veterinary Medicine. The center is only one of three in the nation to focus on benign urologic disease research, including conditions such as lower urinary tract dysfunction and benign prostatic hyperplasia. Dr. Jill Macoska of the University of Massachusetts Boston is a Project Leader in the Center, and the Center is funded by the NIH NIDDK.



**George M. O'Brien
Urology Research Center**
UNIVERSITY OF WISCONSIN-MADISON



Wednesday, April 8



AGENDA

AM

7:30 Continental Breakfast

8:00 Welcome & Overview

8:15 **Jill Macoska, PhD, University of Massachusetts, Boston**
CXCL12-Mediated Non-canonical Signaling Promotes Myofibroblast Phenocoverison in the Prostate

9:15 **Will Ricke, PhD, University of Wisconsin**
Fibrosis of the Lower Urinary Tract: An Alternative to Prostate Hyperplasia in LUTD

10:15 Break

10:45 **Tom Wynn, PhD, NIAID/NIH**
Targeting Immunological Mechanisms of Fibrosis

PM

12:00 Lunch

1:00 **Patti Keely, PhD, University of Wisconsin**
Molecular Changes of Fibrosis During Mammary Gland Pathogenesis

2:00 **Linda Schuler, PhD, University of Wisconsin**
Matric Stiffness: Recruitment of Hormones to the Dark Side of Breast Cancer

3:00 Break

3:30 **Paul Campagnola, PhD, University of Wisconsin**
High Resolution Imaging and Modeling Approaches to Study ECM Changes in Cancer, Fibrosis, and Connective Tissue Disorders

4:30 Posters & Social Hour

All lectures will be held in the Howard Auditorium on the first floor of the Fluno Center. The Poster Session and all breaks will be held just outside the Howard Auditorium.

Thursday, April 9

AM

7:30 Continental Breakfast

8:00 Overview & Introduction

8:15 **Keynote Address: Ben Humphreys, MD, PhD, Harvard Medical School**
Resident Perivascular Cells and Organ Fibrosis

9:30 **Wei Huang, MD, University of Wisconsin**
Characterization of Fibrillar Collagens and Extracellular Matrix of Glandular Benign Prostatic Hyperplasia Nodules

10:30 Break

11:00 **Kevin Eliceiri, University of Wisconsin**
Multiscale Imaging Approaches for Investigating ECM Changes in Disease

PM

12:00 Closing Remarks