



# Polycystic Kidney Disease Symposium 2008

May 9<sup>th</sup>, 2008 (8:00 AM - 5:00 PM)

The Joseph Martin Conference Center at Harvard Medical School (Bray Room)  
77 Avenue Louis Pasteur, Boston, MA 02115

8:00 AM – 8:25 AM (Breakfast and Networking)

8:25 AM – 8:30 AM

## WELCOME AND OPENING REMARKS

Jing Zhou, M.D., Ph.D., Brigham and Women's Hospital and Harvard Medical School  
Director, Center for Polycystic Kidney Disease Research

SESSION 1 FROM THE HUMAN DISEASE TO PROTEINS AND CILIA  
CHAIR: BRADLEY DENKER, M.D.

8:30 AM – 9:00 AM

## PKD: Presentation, Prognosis, Projects

Ted Steinman, M.D., Beth Israel Deaconess Medical Center

9:00 AM – 9:30 AM

## Functional Studies of PKD Proteins in Cells and Mice

Jing Zhou, M.D., Ph.D., Brigham and Women's Hospital and Harvard Medical School

9:30 – 10:00 AM

## Cilia, Intraflagellar Transport, and Sonic Hedgehog Signaling

David Beier, M.D., Ph.D., Brigham and Women's Hospital and Harvard Medical School

10:00 AM - 10:30 AM (Coffee and Networking Break)

SESSION 2 CENTROSOMES AND CILIA

CHAIRS: BENJAMIN HUMPHREYS, M.D., PH.D AND JOSEPH BONVENTRE, M.D., PH.D

10:30 AM – 11:00 AM

## A role for Centrosomes in Ciliopathies

Stephen Doxsey, Ph.D., University of Massachusetts

11:00 – 11:30 AM

## Signaling Pathways Controlling Primary Cilium Length

Jagesh Shah, Ph.D., Brigham and Women's Hospital and Harvard Medical School

11:30 – 12:00 PM

**Zebrafish Kidney Cystic Models**

Iain Drummond, Ph.D., Massachusetts General Hospital and Harvard Medical School

12:00 PM - 1:00 PM (Lunch)

SESSION 3 SIGNALING PATHWAYS IN POLYCYSTIC KIDNEY DISEASE

CHAIRS: TED STEINMAN, M.D. AND JING ZHOU, M.D., PH.D.

1:15 PM - 1:30 PM

**Special Guest**

1:30 PM - 2:00 PM

**Receptor Tyrosine Kinase Signaling in PKD**

Jordan Kreidberg, M.D., Ph.D., Children's Hospital Boston and Harvard Medical School

2:00 PM – 2:30 PM

**Polycystin-1 and Gα12 Signaling**

Bradley Denker, M.D., Brigham and Women's Hospital and Harvard Medical School

2:30 PM – 3:00 PM

**Hormonal Regulation of Polycystin Channels**

Peter Vassilev, M.D., Ph.D., Brigham and Women's Hospital and Harvard Medical School

3:00 PM - 3:15 PM (Coffee and Networking Break)

SESSION 4 KIDNEY CANCER AND KIDNEY DEVELOPMENT

CHAIR: JORDAN KREIDBERG, M.D., PH.D.

3:15 PM - 4:15 PM

**Jade-1 in Renal Cancer and Renal Cystic Disease**

Herbert T. Cohen, M.D., Boston University

4:15 PM – 5 PM Keynote Lecture

**From Precursor to Product: Development and Repair of the Mammalian Kidney**

Andy McMahon, PhD., Harvard University

5:05 PM

**CLOSING REMARKS**

Jing Zhou, M.D., Ph.D., Brigham and Women's Hospital and Harvard Medical School

Director, Center for Polycystic Kidney Disease Research