



# Polycystic Kidney Disease Symposium 2011

May 20<sup>th</sup>, 2011

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

7:30 AM – 8:00 AM (Breakfast and Networking)

8:00 AM - 8:15 AM

## WELCOME AND OPENING REMARKS

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

## SESSION 1

Chairs: *Bradley Denker, M.D.*, Brigham and Women's Hospital and Harvard Medical School and *Jing Zhou, M.D. Ph.D.*, Brigham and Women's Hospital and Harvard Medical School

8:15 AM – 8:40 AM

### Endothelial Function in PKD

*Dana Miskulin, Ph.D.*, Tufts Medical Center, Tufts University

8:40 AM – 9:05 AM

### Autosomal recessive polycystic kidney disease protein FPC modulates mTOR signaling

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

9:05 AM – 9:30 AM

### Arf4 is Required for Embryonic Development and Efficient Trafficking of Fibrocystin to the Cilium

*John Follit, GSBS Student (Pazour Lab)*, University of Massachusetts Medical School

9:30 AM – 9:55 AM

### Microcephaly Related Proteins Complexes in Centrosome Biogenesis

*Tomer Avidor-Reiss, Ph.D.*, Harvard Medical School

9:55 AM – 10:25 AM (Coffee Break)

## SESSION 2

Chairs: *Jagesh Shah, Ph.D.*, Brigham and Women's Hospital and Harvard Medical School  
and *George Witman, Ph.D.*, University of Massachusetts Medical School

10:25 AM – 10:50 AM

### The Intraflagellar Transport Protein IFT88 Plays a Novel Role in Spindle Orientation During Mitosis

*Benedicte Delaval, Ph.D. (Doxsey Lab)*, University of Massachusetts Medical Center

10:50 AM – 11:15 AM

**Loss of the Ciliary Kinase Nek8 Causes Randomization of Left-Right Asymmetry, Cardiac Defects, and Impaired Kidney Development**

*Danielle Manning, Ph.D., (Beier Lab), Brigham and Women's Hospital and Harvard Medical School*

11:15 AM – 11:40 AM

**IFT Complex A Disruption Causes Cystic Renal Disease**

*Julie Jonassen, Ph.D., University of Massachusetts Medical School*

11:40 AM – 12:00 PM

**C-MET and NF-kappaB Signaling Regulates Expression of Wnt7a, Wnt7b and Pax2 Expression in ADPKD**

*Shan Qin, Ph.D. and Jordan Kreidberg, M.D., Ph.D., Children's Hospital and Harvard Medical School*

12:00 PM – 1:00 PM (Lunch Break)

SESSION 3

Chairs: *Jordan Kreidberg, M.D., Ph.D., Children's Hospital and Harvard Medical School* and *Akio Kobayashi, Ph.D., Brigham and Women's Hospital and Harvard Medical School*

1:00 PM – 1:15 PM

**Reprogramming of Gene Expression During PKD: A Systems Biology Approach**

*Priyanka Pandey, Ph.D., (Kreidberg Lab), Children's Hospital and Harvard Medical School*

1:15 PM – 1:40 PM

**PC1 Regulates Gα12 Signaling and Epithelial Cell Adhesion**

*Tianqing Kong, Ph.D. and Bradley Denker, M.D., Brigham and Women's Hospital and Harvard Medical School*

1:40 PM – 2:05 PM

**Jade-1 in Kidney Cancer and Polycystic Kidney Disease**

*Herbert Cohen, M.D., Boston University School of Medicine*

2:05 PM – 2:30 PM

**Hedgehog Signaling in a Thm1-null Mouse Model of Ciliopathy**

*Pamela Tran, Ph.D., Brigham and Women's Hospital and Harvard Medical School*

2:30 PM – 2:55 PM

**A Potential Novel Therapy for ADPKD - Insights from a PKD Mouse Model**

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

2:55 PM – 3:10 PM

**Autophagy and Tuberosus Sclerosis Complex and Lymphangiomyomatosis**

*Andrey Parkhitko, Ph.D. (Henske Lab), Brigham and Women's Hospital and Harvard Medical School*

**CLOSING REMARKS**

*Jing Zhou, M.D., Ph.D., Director, Harvard Center for Polycystic Kidney Disease Research*