



8th Annual Symposium on Polycystic Kidney Disease

May 18th, 2015

The Joseph B. 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, MD, PhD, Brigham and Women's Hospital and Harvard Medical School
Director, Harvard Center for Polycystic Kidney Disease Research

SESSION 1:

Chairs: *Jagesh V. Shah, PhD*, Brigham and Women's Hospital and Harvard Medical School
Benjamin Freedman, PhD, Brigham and Women's Hospital and Harvard Medical School

8:15 AM – 8:40 AM

Understand the trafficking pathway to the cilium

Pazour Lab - William Monis, PhD, University of Massachusetts Medical School

8:45 AM – 9:10 AM

Ciliary signaling through the TSC complex in the brain

Sahin Lab - Alessia Di Nardo, PhD, Boston Children's Hospital and Harvard Medical School

9:15 AM – 9:40 AM²

Live imaging sensory cilia-dependent neuronal activity in zebrafish

Drummond lab - Judith Bergboer, PhD, Massachusetts General Hospital and Harvard Medical School

9:45 AM – 10:10 AM

Regulation of polycystin trafficking to cilia

Zhou Lab - Chong Luo, MD - Brigham and Women's Hospital and Harvard Medical School

10:15 AM – 10:45 AM (Coffee Break)

SESSION 2:

Chair: *Jing Zhou, MD, PhD*, Brigham and Women's Hospital and Harvard Medical School
Joseph Bonventre, MD, PhD., Brigham and Women's Hospital and Harvard Medical School

10:45 AM – 11:10 AM

Bioengineering strategies for kidney tissue engineering

David Kaplan, PhD, Tufts University

11:15 AM – 11:40 AM

Loss of Zeb2 causes glomerulocystic kidney disease in mice

Lu Lab - Hila Milo Rasouly, PhD Candidate, Boston University

11:45 AM – 12:15 AM

DCDC2 mutations cause a renal-hepatic ciliopathy by disrupting Wnt signaling

Friedhelm Hildebrandt, MD, Boston Children's Hospital and Harvard Medical School

12:15 PM – 1:15 PM (Lunch Break)

SESSION 3:

Chair: *Jordan Kreidberg, MD, PhD, Boston Children's Hospital and Harvard Medical School*
Ron Peronne, MD, Tufts Medical Center

1:30 PM – 1:55 PM

Quantitative proteomics of PKD

Shah lab – Kelly George, MD, Brigham and Women's Hospital and Harvard Medical School

2:00 PM – 2:25 PM

Rapamycin-dependent MicroRNA in the Pathogenesis and Therapy of TSC

Lisa Henske, MD, Brigham and Women's Hospital and Harvard Medical School

2:30 PM – 2:55 PM

HDACs and their role in proliferation and cilia dismantling

Matthew Jarpe, PhD – Acetylon Pharmaceutical Inc.

3:00 PM – 3:30 PM (Coffee Break)

SESSION 4:

Chairs: *Peter Czarnecki, MD, PhD., Brigham and Women's Hospital and Harvard Medical School*
Friedhelm Hildebrandt, MD, Boston Children's Hospital and Harvard Medical School

3:30 PM – 3:55 PM

Low osmolar diet and Adjusted water intake for vasopressin suppression in ADPKD-a randomized controlled trial

Osama Amro, MD, Tufts University Medical Center

4:00 PM – 4:25 PM

HALT PKD Study: Implications for Care

Theodore Steinman, MD, Beth Israel Deaconess Medical Center and Harvard Medical School

4:30 PM – 4:55 PM

What is the relevant third-hit mechanism that determines progression in ADPKD?

Thomas Weimbs, PhD, University of California at Santa Barbara

CLOSING REMARKS

Jing Zhou, MD, PhD, Director, Harvard Center for Polycystic Kidney Disease Research