



9th Annual Symposium on Polycystic Kidney Disease

May 27th, 2016

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: WHY PKD AND CILIA, HOW ARE CILIA BUILT?

Chairs: *Joseph Bonventre, MD, PhD*, Brigham and Women's Hospital and Harvard Medical School
Jagesh V. Shah, PhD, Brigham and Women's Hospital and Harvard Medical School

8:15 AM – 8:45 AM

Polycystins, Cilia and PKD

Jing Zhou, MD, PhD, Brigham and Women's Hospital and Harvard Medical School

8:50 AM – 9:20 AM

IFT74 and IFT81 constitute the major tubulin binding site on IFT trains

Jason Brown, PhD, Salem State University and University of Massachusetts Medical School

9:25 AM – 9:55 AM

IFT140 and the function of IFT complex A

Tyler Picariello, PhD, University of Massachusetts Medical School

10:00 AM – 10:30 AM

The p97 ATPase-UBXD3 complex regulates ciliogenesis via interaction with IFT-B.

Malavika Roman, PhD, Tufts University

10:30 AM – 11:00 AM (Coffee Break)

SESSION 2: CILIA SIGNALING AND PLANAR CELL POLARITY

Chairs: *Jordan Kreidberg, MD, PhD*, Boston Children's Hospital and Harvard Medical School
Iain Drummond, PhD, Massachusetts General Hospital

11:00 AM – 11:30 AM

Cilia-mediated signaling

Gregory Pazour, PhD, University of Massachusetts

11:35 AM – 12:05 AM

AC3: a key enzyme for cAMP signaling in neuronal cilia

Xuanmao Chen, PhD, University of New Hampshire

12:10 AM – 12:40 AM

FAT1 mutations cause a glomerulotubular nephropathy

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

12:40 PM – 1:40 PM (Lunch Break)

SESSION 3: DISEASE MODELING, INTERVENTIONS, AND POLYCYSTIN FUNCTION

Chairs: *Ronald Perrone, MD*, Tufts University Medical Center

Jing Zhou, MD, PhD, Brigham and Women's Hospital and Harvard Medical School

1:40 PM – 2:10 PM

Reduction of ciliary length through pharmacologic or genetic inhibition of CDK5 attenuates PKD

Herve Husson MD, Sonofi/Genzyme

2:15 PM – 2:45 PM

Tyrosine kinase inhibitors in human ADPKD

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

2:50 PM – 3:20 PM

Modeling kidney development and disease with human pluripotent stem cells

Benjamin Freedman, PhD, Brigham and Women's Hospital and Harvard Medical School and University of Washington

Keynote Lecture

3:20 PM – 4:00 PM

Polycystin-mediated Wnt/Ca²⁺ signaling

Leo Tsiokas, PhD, University of Oklahoma Health Sciences Center

CLOSING REMARKS

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