



Polycystic Kidney Disease Symposium 2012

May 14th, 2012

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: CILIA AND CENTROSOMES

Chairs: *Jagesh Shah, PhD*, Brigham and Women's Hospital and Harvard Medical School, *Julie Jonassen, PhD*, University of Massachusetts Medical School

8:15 AM – 8:45 AM

IFT25 Links the Signal-Dependent Movement of Hedgehog Components to Intraflagellar Transport

Gregory Pazour, PhD, University of Massachusetts Medical School

8:45 AM – 9:15 AM

A Role for Centrosome Amplification in Cell Invasion

Susana Godinho PhD (Pellman Lab), Dana-Farber Cancer Institute and Harvard Medical School

9:15 AM – 9:45 AM

ADPKD Protein Trafficking to the Primary Cilia is regulated by the Proteins Mutated in Bardet Biedl Syndrome

Xuefeng Su, PhD (Zhou Lab), Brigham and Women's Hospital and Harvard Medical School

9:45 AM – 10:15 AM

Nek8 Kinase in Development and Cystic Kidney Disease

David Beier, MD, PhD, Brigham and Women's Hospital and Harvard Medical School

10:15 AM – 10:45 AM (Coffee Break)

SESSION 2: OTHER MECHANISMS FOR CYST FORMATION

Chairs: *Jordan Kreidberg, MD, PhD*, Children's Hospital, Boston and Harvard Medical School and *Seth Alper, MD, PhD*, Beth Israel Deaconess Medical Center and Harvard Medical School

10:45 AM – 11:15 AM

Polycystin Signaling in Zebrafish

Iain Drummond, PhD, Massachusetts General Hospital, Harvard Medical School

11:15 AM – 11:45 AM

Gα12 is Required for Renal Cyst Formation in ADPKD

Tianqing Kong, MD, Brigham and Women's Hospital and Harvard Medical School and *Brad Denker, MD*, Beth Israel Deaconess Medical Center and Harvard Medical School

11:45 AM – 12:15 AM

Birt-Hogg-Dube Syndrome: Novel Functions of Plakophilin-4/p0071 and Implications for Renal Cyst Pathogenesis

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

12:15 PM – 1:15 PM (Lunch Break)

SESSION 3: PRECLINIC AND CLINICAL TRIALS

Chairs: *Brad Denker, MD*, Beth Israel Deaconess Medical Center and Harvard Medical School and *Jing Zhou, M.D., PhD.*, Brigham and Women's Hospital and Harvard Medical School

1:15 PM – 1:30 PM

Meet our Special Guest Bill

1:30 PM – 2:00 PM

Novel Targets For PKD within the Glycosphingolipid Pathway

Thomas Natoli, PhD, and *Oxana Ibraghimov-Beskrovnaya, Ph.D.* Genzyme

2:00 PM – 2:30 PM

Efforts to Establish TKV as a Regulatory Endpoint for Intervention Trials in ADPKD

Ronald Perrone, MD, Tufts University School of Medicine

2:30 PM – 3:00 PM

The Newest Clinical Trials in PKD

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

3:00 PM – 3:20 PM (Coffee Break)

SESSION 4: LOOK INTO THE FUTURE

Chairs: *Akio Kobayashi, Ph.D.*, Brigham and Women's Hospital and Harvard Medical School and *Benjamin Humphreys, MD, PhD*, Brigham and Women's Hospital and Harvard Medical School

3:20 PM – 3:50 PM

Epigenetic Regulation of Kidney Regeneration in Fish

Bob Handin, MD, Brigham and Women's Hospital and Harvard Medical School

3:50 PM – 4:20 PM

Stem Cells and PKD

Joseph V. Bonventre, MD, PhD, Brigham and Women's Hospital and Harvard Medical School

Keynote: 4:20 PM – 5:00 PM

Programs of progenitor specification, maintenance and commitment in the mammalian kidney

Andy McMahon, PhD, Biolabs, Harvard University

CLOSING REMARKS

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