



Polycystic Kidney Disease:
Basic, Translational and Clinical Science
July 27-August 1, 2008
Snowmass Village, Colorado

Co-Organizers:

Robert Bacallao

Indiana Univ. School of Medicine
Indianapolis, IN

Peter Harris

Mayo Clinic
Rochester, MN

Sunday, July 27, 2008

4:00PM – 9:00PM	Conference Registration
6:00PM – 7:00 PM	FASEB Opening Reception
7:00PM – 8:30 PM	Dinner
8:45PM – 10:00PM	Helen McNeil, Organization Mutations in FAT4, a Planar Polarity Gene in Drosophila, Causes Polycystic Kidney Disease

Monday, July 28, 2008

7:30AM – 9:00AM Breakfast

Session 1: 9:00AM – 12:30PM

Title of Session: Cellular changes associated with PKD

James Calvet, (Univ. of Kansas Medical Center)
Michael Caplan (Yale Univ. School of Medicine)

9:00AM - 9:45AM	Darren Wallace (Univ. of Kansas, Kansas City, KA) Ca ²⁺ and cAMP changes in PKD
9:45PM –10:30AM	Mike Caplan (Yale, New Haven, CT) Intracellular assembly of polycystins in the Golgi
10:30am – 11:00AM	Group photo & FASEB Sponsored Coffee Break

11:00AM – 11:45PM Gary Thomas (Oregon Health Science, Portland, OR)
Role of PACS proteins in sorting polycystins (NEW)

11:45PM – 12:30PM Michael Sutters (John Hopkins, Baltimore, MD)
Study of fluid secretion in ADPKD

12:30PM – 1:30PM Lunch

Free Afternoon

4:00PM – 6:00PM Poster Session 1 – Optional

6:00PM – 7:00PM Dinner

Session 2: 7:00PM – 10:15PM

Functional analysis of PKD proteins

Jing Zhou (Brigham and W's, Boston, MA) (W)
Albert Ong (Univ. of Sheffield, Sheffield, UK)

7:00PM - 7:45PM Seth Alper (Harvard, Boston, MA)
Regulation of polycystin-2 (NEW)

7:45PM – 8:30PM Greg Germino (John Hopkins, Baltimore, MD)
Processing and function of the ARPKD protein

8:30PM – 8:45PM Break

9:00PM – 9:45PM Patrick Delmas (Marseille, France)
Channel activity of the polycystins

9:45PM – 10:15PM Tatyana Masyuk (Mayo Clinic, Rochester, MN)
Analysis of fibrocystin in cholangiocytes

Speaker 4, TBA
"Title of talk"

Tuesday, July 29, 2008

7:30AM – 9:00AM Breakfast

Session 3: 9:00AM – 12:15PM

**Centrosome and cilia organization and dysfunction
in polycystic kidney disease**

Lisa Guay-Woodford (Univ. of Alabama, Birmingham, Al)
Greg Pazour (Univ. of Massachusetts, Worcester)

9:00AM - 9:45AM Michael Leroux (Simon Frasier Univ., British Columbia, Canada)
Defects in IFT and cystic disease

9:45PM – 10:30AM Wallace Marshall (Univ. of California, San Francisco, San Francisco, CA)
Role of the centrosome in cell cycle/mitosis

10:30am – 10:45AM	FASEB Sponsored Coffee Break
10:45AM – 11:30PM	Jeremy Reiter (Univ. of California, San Francisco, San Francisco, CA) jHedgehog signaling and cilia
11:30PM – 12:15PM	Marco Pontoglio (Institute Pasteur, Paris, France) Defective planar cell polarity in PKD
12:15PM – 1:30PM	Lunch
	Free Afternoon
4:00PM – 6:00PM	Poster Session 2 – Optional
6:00PM – 7:00PM	Dinner

Session 4: 7:00PM – 10:15PM

Basic functions of PKD proteins: study of model systems

Iain Drummond (Harvard, Boston, MA)
Brad Yoder (Univ. of Alabama, Birmingham, Birmingham, AL)

7:00PM - 7:45PM	Zhaoxia Sun (Yale Univ., New Haven, CT) Zebrafish models of PKD
7:45PM – 8:30PM	Joel Rosenbaum (Yale Univ., New Haven, CT) Analysis of ciliary function in model systems
8:30PM – 8:45PM	Break
9:00PM – 9:45PM	Maureen Barr (Univ. of Wisconsin, Madison, WI) Analysis of PKD related proteins in C.elegans
9:45PM – 10:15PM	Susan Quamby (Simon Frasier Univ., British Columbia, Canada) Role of PKD proteins in Chlamydomonas

Wednesday, July 30, 2008

7:30AM – 9:00AM	Breakfast
-----------------	-----------

Session 5: 9:00AM – 12:15PM

Syndromic forms of PKD

Friedhelm Hildebrandt (Univ. of Michigan, Ann Arbor, MI)
Peter Harris (Mayo Clinic, Rochester, MN)

9:00AM - 9:45AM	Nick Katsanis (Johns Hopkins, Baltimore) Bardet-Biedl syndrome
9:45PM – 10:30AM	Leena Peltonen (Helsinki, Finland) Meckel-Gruber syndrome

10:30am – 10:45AM	FASEB Sponsored Coffee Break
10:45AM – 11:30PM	Edgar Otto (Univ. of Michigan, Ann Arbor, MI) Nephronophthisis and related disorders
11:30PM – 12:15PM	Brunella Franco (Naples, Italy) Oral-facial-digital syndrome
12:15PM – 1:30PM	Lunch
	Free Afternoon
4:00PM – 6:00PM	Poster Session 2 – Optional
6:00PM – 7:00PM	Dinner

Session 6: 7:00PM – 10:15PM

Insights from rodent models of PKD

Guanqing Wu (Vanderbilt, Nashville)
Richard Sandford (Cambridge Univ., Cambridge, UK)

7:00PM - 7:45PM	Marie Trudel (IRCM, Montreal, Canada) Transgenics to elucidate polycystin function
7:45PM – 8:30PM	Stefan Somlo (Yale Univ., New Haven, CT) Conditional knockouts of Pkd1
8:30PM – 8:45PM	Break
9:00PM – 9:45PM	Dorien Peters (LUMC, Leiden, The Netherlands) Haploinsufficient and conditional models of ADPKD”
9:45PM – 10:15PM	Vincent Gattone (Univ. of Indiana, Indianapolis, IN) A viable model of Meckel syndrome

Thursday, July 31, 2008

7:30AM – 9:00AM	Breakfast
-----------------	-----------

Session 7: 9:00AM – 12:15PM

PKD related proteins provide clues to function

Angela Wandinger-Ness (Univ. of New Mexico, Albuquerque, NM)
Chris Ward (Mayo Clinic, Rochester, MN)

9:00AM - 9:45AM	Harvey Florman (Univ. of Massachusetts, Worcester, MA) Role of the polycystins in sperm
9:45PM –10:30AM	Noria Basura (Univ. of Sherbrooke, Sherbrooke, CA) Polycystin Assembly in Centrosomes
10:30am – 10:45AM	FASEB Sponsored Coffee Break

10:45AM – 11:30PM Charles Zucker (UCSD, San Diego, CA)
Polycystins as taste receptors

11:30PM – 12:15PM Xiangyi Lu (Univ. of Alabama, Birmingham, AL)
Polycystin-2 like proteins in Drosophila

12:15PM – 1:30PM Lunch

Free Afternoon/Organized Activities
Times and Activities TBD

4:00PM – 6:00PM Poster Session 2 – Optional

6:00PM – 7:30PM Dinner

Session 8: 7:30PM – 10:45PM **Clinical, diagnostic and modifier studies in PKD**
York Pei (Univ. of Toronto, Canada)
Robert Schrier (Univ. of Colorado, Denver)

7:30PM - 8:15PM Arlene Chapman (Emory, Atlanta, GA)
Insights into disease progression from CRISP

8:15PM – 9:00PM Meral Gunay-Aygun (NHGRI, Bethesda, MD)
Assessing the ARPKD phenotype

9:00PM – 9:15PM Break

9:15PM – 10:00PM David Woo (Los Angeles, CA)
Mapping modifiers in animal models of PKD

10:00PM – 10:45PM Klaus Zerres (Aachen, Germany)
Molecular diagnostics in ARPKD

Friday, August 1, 2008

7:30AM – 9:00AM Breakfast

Session 9: 9:00AM – 12:15PM **Therapeutics and clinical trials**
Kathy Klinger (Genzyme, Framingham, MA)
Janet Van Adelsberg (Merck, NY, NY)

9:00AM - 9:45AM Ron Perrone (Tufts Univ., Boston, MA)
Progress to HALT PKD

9:45AM – 10:30AM Vicente Torres (Mayo Clinic, Rochester, MN)
Tolvaptan trial update

10:30AM – 10:45AM FASEB Sponsored Coffee Break

10:45AM – 11:30AM Giuseppe Remuzzi (Bergamo, Italy)
Somatostatin treatment in ADPKD

11:30AM – 12:15PM Oxana Ibraghimov-Beskrovnaya (Genzyme, Framingham, MA)
Screening for novel therapies in PKD

12:15PM – 1:30PM Boxed Lunches Available

END OF CONFERENCE

For additional information contact:

FASEB Summer Research Conferences
9650 Rockville Pike
Bethesda, MD 20814

<http://src.faseb.org>