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)
Ca2+ 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 Colombia, 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
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<th>Time</th>
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<tr>
<td>10:30am – 10:45AM</td>
<td>FASEB Sponsored Coffee Break</td>
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| 10:45AM – 11:30PM | Jeremy Reiter (Univ. of California, San Francisco, San Francisco, CA)  
Hedgehog 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 Quarmby (Simon Frasier Univ., British Columbia, Canada)  
Role of PKD proteins in Chlamydomonas |

**Wednesday, July 30, 2008**

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<td>7:30AM – 9:00AM</td>
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| **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 |
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<td>Edgar Otto (Univ. of Michigan, Ann Arbor, MI) Nephronophthisis and related disorders</td>
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<td>11:30PM – 12:15PM</td>
<td>Brunella Franco (Naples, Italy) Oral-facial-digital syndrome</td>
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<td>12:15PM – 1:30PM</td>
<td>Lunch</td>
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<td>7:00PM – 10:15PM</td>
<td>Session 6: Insights from rodent models of PKD</td>
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<td>Guanqing Wu (Vanderbilt, Nashville)</td>
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<td>Richard Sandford (Cambridge Univ., Cambridge, UK)</td>
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<td>7:00PM - 7:45PM</td>
<td>Marie Trudel (IRCM, Montreal, Canada) Transgenics to elucidate polycystin function</td>
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<td>7:45PM – 8:30PM</td>
<td>Stefan Somlo (Yale Univ., New Haven, CT) Conditional knockouts of Pkd1</td>
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<td>8:30PM – 8:45PM</td>
<td>Break</td>
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<td>9:00PM – 9:45PM</td>
<td>Dorien Peters (LUMC, Leiden, The Netherlands) Haploinsufficient and conditional models of ADPKD”</td>
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<td>9:45PM – 10:15PM</td>
<td>Vincent Gattone (Univ. of Indiana, Indianapolis, IN) A viable model of Meckel syndrome</td>
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**Thursday, July 31, 2008**

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<tr>
<td>7:30AM – 9:00AM</td>
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<td>9:00AM – 12:15PM</td>
<td>Session 7: PKD related proteins provide clues to function</td>
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<td>Angela Wandinger-Ness (Univ. of New Mexico, Alburquerque, NM)</td>
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<td>Chris Ward (Mayo Clinic, Rochester, MN)</td>
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<td>9:00AM - 9:45AM</td>
<td>Harvey Florman (Univ. of Massachusetts, Worcester, MA) Role of the polycystins in sperm</td>
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<td>9:45PM –10:30AM</td>
<td>Noria Basura (Univ. of Sherbrooke, Sherbrooke, CA) Polycystin Assembly in Centrosomes</td>
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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 (Tuffs 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