

Curriculum Vitae
Terry J. Watnick, M.D.
Associate Professor, Department of Medicine
University of Maryland School of Medicine

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Contact Information

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Foreign Languages: Spanish (native speaker)
French (working knowledge)
Portuguese (working knowledge)

Education

1977-1978 Barnard College, New York, New York
1981 Sc. B., Brown University (Magna Cum Laude), Providence, RI
1987 M.D., Yale University School of Medicine, New Haven, CT

Post Graduate Education and Training

1987-1988 Internship, Internal Medicine, Yale-New Haven Hospital
1988-1990 Residency, Internal Medicine, Yale-New Haven Hospital
1992-1995 Fellowship, Nephrology, Johns Hopkins Hospital

Certifications

1990 Diplomate, American Board of Internal Medicine
2000 Re-certified, Diplomate, American Board of Internal Medicine
2011 Re-certified, Diplomate, American Board of Internal Medicine

Medical Licensures

1987-1992 Connecticut (Inactive)
1992-Present Maryland (Active)

Employment History

Academic Appointments

1995-1997 Instructor in Medicine
Division of Nephrology, Department of Medicine
The Johns Hopkins University School of Medicine, Baltimore, Maryland

1997-2009 Assistant Professor of Medicine
Division of Nephrology, Department of Medicine
The Johns Hopkins University School of Medicine, Baltimore, Maryland

03/09-09/12 Associate Professor of Medicine
Division of Nephrology, Department of Medicine
The Johns Hopkins University School of Medicine, Baltimore, Maryland

09/12-Present Adjunct Associate Professor of Medicine
The Johns Hopkins University School of Medicine, Baltimore, Maryland

2009-2012 Faculty, Cellular and Molecular Medicine Graduate Program
The Johns Hopkins University School of Medicine, Baltimore, Maryland

9/12-Present Adjunct, Associate Professor of Medicine, The Johns Hopkins School of
Medicine, Baltimore, Maryland

9/12-Present Associate Professor of Medicine with Tenure, Department of Medicine
University of Maryland School of Medicine, Baltimore, Maryland

2/14- Present Faculty, University of Maryland Graduate School

Other Employment

1990-1992 Attending, Johns Hopkins Bayview Medical Center, Baltimore, Maryland
1990-1992 Attending, Northpoint Health Center, Baltimore, Maryland

Professional Society Memberships

1996-Present American Society of Nephrology
2000-Present National Kidney Foundation
2012-2013 American Society of Human Genetics

Honors and Awards

1977 National Merit Special Scholarship
1978 Dean's List Barnard College
1981 Susan Colver Rosenberger Prize in Portuguese and Brazilian Studies, Brown
University Providence, RI
1981 Honors in Biology, Magna Cum Laude, Brown University
1981 Elected Sigma Xi, Scientific Research Society, Brown University
1994-1996 NIH National Research Service Award, DK09055
1997 Solo Cup Institutional Career Development Award, The Johns Hopkins
University School of Medicine
1998-2004 NIH Physician-Scientist Award,
1999 ISN Travel Fellowship, Buenos Aires, Argentina
2004 Norman S. Coplon Award (Satellite Research Foundation)

Clinical Activities

Clinical Expertise

Board Certified in Internal Medicine
Board Eligible in Nephrology
Clinical and Research Focus in the area of Inherited Renal Diseases with special emphasis on
Cystic Kidney Diseases

Scope of Clinical Practice:

- 1996-2012 Founder and Director of the Johns Hopkins Hereditary Renal Disease Clinic, Over 200 active patients with Autosomal Dominant Polycystic Kidney Disease (ADPKD)
Platform for multiple Clinical Trials and Genetic Studies of ADPKD
Provide Nephrology Care for Patients with Fabry Disease
Duties: 0.5 day clinic; .25 Day administrative
- 1997-2012 Attending Consultant General Nephrology Service, Johns Hopkins Hospital,
Duties four to six weeks per year
- 2012-Present Director University of Maryland Inherited Renal Disease Clinic. Continuing to follow over 200 patients with Autosomal Dominant Polycystic Kidney Disease and other inherited disorders.
Duties: 0.5 day clinic; .5 Day administrative
- 2012-Present Attending Consultant General Nephrology Service and General Medicine Service, University of Maryland Medical Center. Duties ~2 weeks per year and week ends in rotation.

Administrative Service

Institutional Service

- 1997-Present Faculty Interviews, Nephrology Fellowship, 1-4/year previously at Johns Hopkins and now at the **University of Maryland**.
- 2009-2012 Admissions Interviews Cellular and Molecular Medicine Graduate Program, the Johns Hopkins School of Medicine
- 2011-Present Organizer of the NIDDK funded Johns Hopkins PKD Core Center Summer Research Program, 5-6 summer students recruited per year to work on projects involving various aspects of kidney disease.
- 2012-Present Director, University of Maryland ABIM Research Pathway.
Assist in selecting residency candidates for the research track and serve as a mentor to these residents throughout their training.
- 2015-Present Member, University of Maryland MSTP Advisory and Admissions Committee
- 2015-Present Scientific Advisory Committee, Nutrition and Obesity Research Center, University of Maryland
- 2016-Present Faculty Mentoring Advisory Committee for Departments of Medicine and Pediatrics

Local, National and International Service

- 2000 Moderator, American Society of Nephrology Annual Meeting, Free Communication Session, Toronto, Ontario, Canada
- 2001 Ad Hoc reviewer Kidney International
- 2002 Session Chair, FASEB Summer Research Conference, "Molecular Mechanisms and Therapeutic Insights in Polycystic Kidney Disease", Tuscon, AZ
- 2002-Present National Kidney Foundation of Maryland Medical Advisory Board
- 2002-Present Grant reviewer, Maryland National Kidney Foundation
- 2003 American Society of Nephrology National Meeting, Abstract Reviewer
- 2006 NIH Scientific Review Group
Ad Hoc Member, Cellular and Molecular Biology of the Kidney (10/06)

2006 Ad Hoc Reviewer, Nephrology, Dialysis and Transplantation
2006-07 NIH External Advisory Committee CRISPII (Consortium of Radiologic Imaging Studies of Polycystic Kidney Disease Cohort)
2006-2010 Member, Scientific Advisory Board Polycystic Kidney Disease Foundation
2006-2010 Polycystic Kidney Disease Foundation, Grant in Aid/Fellowship Grant Review Committee
2007 Moderator, American Society of Nephrology Annual Meeting, Free Communication Session, Moderator, San Francisco, California
2008 Faculty Judge, National Kidney Foundation, Mid-Atlantic Young Investigator Forum
2008-2010 Chair, Grant Committee, National Kidney Foundation of Maryland
2010-2013 Vice-Chair, Scientific Advisory Board, Polycystic Kidney Disease Foundation
2010 Moderator, Kidney Research National Dialogue (NIDDK)
2010 National Kidney Foundation Career Development/Fellowship Grant Review Committee
2010 Volunteer Service Certificate, National Kidney Foundation of Maryland
2010-2012 Editorial Board, Advances in Chronic Kidney Disease
2011 Faculty Judge (Basic Science), National Kidney Foundation, National Young Investigator Forum
2011-Present Member NIH CRISPIII (Consortium of Radiologic Imaging Studies of Polycystic Kidney Disease Cohort) External Expert Group
2011-2015 NIH Scientific Review Group
Standing Member Kidney Molecular Biology and Genitourinary Organ Development Study Section
2011 Session Chair, FASEB Summer Research Conference, "Polycystic Kidney Disease: From Bench to Bedside". Session title: "Diagnostics, Genotype/Phenotype and Disease Outcomes" Saxton, River VT
2011 Moderator, American Society of Nephrology Annual Meeting, Free Communication Session, Philadelphia, PA
2011-Present Ad Hoc reviewer, New England Journal of Medicine
2012 Program Committee, American Society of Nephrology 2012 Annual Meeting.
2012-Present Member, Johns Hopkins Digestive Disease Basic and Translational Research Core Center External Advisory Board
2013 Abstract Reviewer, American Society of Nephrology Annual Meeting
2013 Moderator, American Society of Nephrology Annual Meeting "Novel insights into pathogenesis and therapeutics: Implications for PKD. Atlanta, Georgia.
2013-Present Editorial Board, Journal of the American Society of Nephrology
2013-2015 Steering Committee for the KDIGO Controversies Conference on Autosomal Dominant Polycystic Kidney Disease, Co-Leader Management of Extrarenal complications in ADPKD
2013-Present Chair Scientific Advisory Committee, Polycystic Kidney Disease Foundation
2013-Present Member, Board of Trustees Polycystic Kidney Disease Foundation
2014 Abstract Reviewer, American Society of Nephrology Annual Meeting
2014 Moderator, American Society of Nephrology Annual Meeting, Free Communication Session "diagnostic and Therapeutic Advances in Cystic Kidney Diseases". Philadelphia, PA November, 2014
2014 Session Chair, FASEB Summer Research Conference, "Polycystic Kidney Disease: From Molecular Mechanism to Therapy". Session title: Cilia, Centrosomes and Cystic Disease" Lucca, Italy
2015-Present Member, University of Alabama Birmingham Hepato/Renal Fibrocystic Diseases Center External Advisory Board
2016 Member, American Society of Nephrology Young Investigator Award Selection Committee
2016 Abstract reviewer International Society of Nephrology Meeting

Teaching Service

Undergraduate Student Teaching

- 2002-2005 Mentor, summer research, research elective and Johns Hopkins Honors Thesis Yamini Krishnan. Daily contact for the summer and 3-4X per week during the school year. MSTP student at Albert- Einstein School of Medicine.
- 2007-2008 Mentor, summer research and research elective, Kristy Chu Johns Hopkins. Daily contact (summer) and 2X per week during the school year (see publication)
- 2009-2010 Mentor Research Elective Ran Ma (Johns Hopkins) daily contact for the summer, 2X per week during the school year
- 2010, 2011 Mentor, summer research, Marie Clancey-Rivera NIDDK-STEP-UP Undergraduate Research Program, Daily contact for the summer
- 2012 Mentor, summer research, Sravanthi Koduri, Leadership Alliance Summer Research Program. Daily contact for the summer.

Medical Student Teaching

- 1996-Present Second year Renal Pathophysiology Course, One lecture, contact time 1-1 1/2 contact hours per year
- 1996-2008 Small Group Discussion Leader, Renal Pathophysiology, 10-12 2nd year medical students, 3-4 contact hours/year
- 2005-2010 First Year Medical Student Journal Club, 10-14 1st year medical students, met 1-2X per week for one semester, 10-14 contact hours/year
- 2012-Present First Year Medical Student Journal Club at the Johns Hopkins School of Medicine 2 sessions for one semester, 4 contact hours/year
- 2013-Present Small Group Discussion Leader, Renal Pathophysiology, 15-20 2nd year medical students, 6-8 contact hours/year.
- 2014-Present Clinical Correlation for 1st year medical students: 2-3 contact hours/year
- 2014 Mentor, summer research, Steven Chan, Kathleen McAvoy and Anna Pham. Daily contact for the summer.
- 2015 Mentor, summer research, Katelyn Kalutkiewicz and Kahryl Bennett. Daily contact for the summer.
- 2016 Mentor, summer research Gregory Loeb. Daily contact for the summer

Graduate Student Teaching

- 2006 Graduate Thesis Committee, Erica Allen, Cellular and Molecular Medicine, Johns Hopkins School of Medicine
- 2011 Graduate Thesis Committee, Matt Marcelo, Bloomberg School of Public Health
- 2014-10/2015 Mentor, Eryn Dixon. Daily contact. Member of Thesis Committee

Junior Faculty Mentorship

- 2015-Present Valeriu Cebotaru, MD, Assistant Professor University of Maryland, Mentor K08 award (K08DK103078),
- 2015-Present Alison Grazioli, MD Assistant Professor, University of Maryland, Member Mentorship Committee
- 2014-Present Ami Patel, MD Assistant Professor, University of Maryland, Member Mentorship Committee
- 2014-Present Preeti Chandra, MD Assistant Professor, University of Maryland, Member Mentorship Committee
- 2014-Present Leon McClean, MD, PhD Assistant Professor, University of Maryland, Member Mentorship Committee

Resident and Fellow Teaching

- 1996-2012 Attending, Nephrology Consult Service Johns Hopkins Hospital 4-8 weeks per year, 1 renal fellow, 1 resident, 0-2 medical students. Conducted daily teaching rounds.
- 1997-2012 Lecturer Clinical Topics in Nephrology Conference, Johns Hopkins, 1 presentation/year
- 2005-2010 Nephrology Journal Club, 1 presentation/year
- 2011-2012 Organized and led a Basic Science Journal Club for renal fellows 6-8 contact hours/year.
- 2013-2014 Attending, Nephrology Fellows Continuity Clinic 1-2 sessions/month 6-8 contact hours/week

Post-Graduate Teaching

- 2008-2012 Cellular and Molecular Basis of Disease, Johns Hopkins, One lecture/year 2-3 contact hours/year
- 2009-2012 Faculty, Cellular and Molecular Medicine Graduate Program, Johns Hopkins, Oral exam committees 1-3/year
- 2002-2004 Research Mentor, Qin Zhou MD, PhD, 100 hours direct mentoring (see publications).
- 2003-2006 Research Mentor, Connie Wang, MD. Co-mentor with Dr. Greg Germino. Funded by a PKD Foundation Fellowship and then an NRSA (F32 DK070435). 100 hours of direct mentoring. Faculty in the Division of Nephrology at the University of Kansas.
- 2004-2009 Research Mentor, Michael Kottgen MD, Co mentor with Dr. Craig Montell. Funded by PKD Foundation Young Investigator Award. 100 hours of direct mentoring. Now Professor of Medicine, Department of Nephrology, University of Freiburg, Germany.
- 2005-2006 Research Mentor Jie Ni, MD, Ph.D 60 hours direct mentoring. (see publications)
- 2002-2007 Research Mentor, Miguel Garcia-Gonzalez, 100 hours direct mentoring. Now holds a Faculty position at the University of Santiago de Compostela, Spain. (see publications)
- 2008-2010 Research Mentor, Kristy Chu during her MPH studies (Johns Hopkins) 60 hours direct mentoring. (see publications).
- 2008-2012 Research Mentor, Erum Hartung, MD. Co mentored with Gregory Germino. Pediatric Nephrology Fellow, funded by T32. Present position, Assistant Professor Pediatric Nephrology Children's Hospital of Philadelphia.
- 2007-2012 Research Mentor, Dongyan Liu, 200 hours direct mentoring. Winner second place Mid-Atlantic Young Investigator's Forum, 2011. (see publications). Presently Intern, Internal Medicine
- 2007-2016 Research Mentor, Patricia Outeda-Garcia, NKF Fellowship recipient, 400 hours direct mentoring (see publications). Now Instructor, University of Maryland
- 2008-2014 Research Mentor, Weizhe Li, Ph.D. 200 hours direct mentoring (see publications). Winner 4th place Mid-Atlantic Young Investigator's Forum, 2013.
- 2013 Mentor, summer research, Lisbet Carbaná Carcasi, MD. Daily contact for the summer.

Grant Support

Active Grants:

- 09/30/2010-6/30/20 (PI, 20%)
Baltimore PKD Research and Clinical Core Center
NIH, 2P30 DK090868
Annual Direct Costs: \$750,000
Total Direct Costs: \$4,263,690
- 10/1/2012-9/30/17 (PI: 25%)
Comprehensive Analysis of Polycystin Related Endothelial Cell Signaling
NIH, 1R01 DK095036 (Scored in the 3rd percentile)
Annual Direct Costs Requested: \$250,000
Total Direct Costs Requested: \$2,050,000
- 07/01/2013-6/30/16 Erik Schwiebert, PI (Watnick, Sub I: 5%)
DBM Anti-Proliferative Lead Small Molecules for Polycystic Kidney
disease
NIH, 4R44 DK098023
Annual Total Costs Year 2: \$503,386
- 10/01/2014-9/30/18 (PI, Watnick)
Efficacy and Safety of Tolvaptan in Subjects With Chronic Kidney
Disease Between Late Stage 2 to Early Stage 4 Due to Autosomal
Dominant Polycystic Kidney Disease
Otsuka Maryland Research Institute, Inc
Study 156-13-210, **\$15,430 per participant enrolled**
- 09/30/2015-8/31/20 Kyongtae Bae, PI (Watnick, Sub I: 10%)
Metformin as a Novel Therapy for Autosomal Dominant Polycystic
Kidney Disease
Department of Defense W81XWH-14-PRMRP-CTA
Total Direct Costs Year: 939, 937
- 06/01/15-05/30/16 (PI: 0.5%, Zahgloul Co-I)
UBAC1 is a Novel Regulator of PC2 Ciliary Trafficking
NKF/Maryland Minigrant
Total Direct Costs: \$10,000

Completed Grants:

- 01/01/11-12/31/14 (Co-Investigator: 5% effort, no salary support)
A Multi-Center, Open-Label, Extension Study to Evaluate the Long-
Term Efficacy and Safety of Oral Tolvaptan Tablets Regimens in Subjects
with Autosomal Dominant Polycystic Kidney Disease.
Otsuka Maryland Research Institute, Inc., Johns Hopkins Site
Total Direct Costs: \$764,533
- 07/01/06-04/30/12 (PI: NCE)
PKD1-Fibrillin Interactions and TGF- β Signaling Pathways
NIH, 1R01DK076017-01
Annual Direct Costs: \$187,500 annual

Total Direct Costs: \$1,250,000

- 12/01/06-4/30/12 (PI: NCE)
An Interdisciplinary Approach to PKD2 Function
NIH, 1RO1GM073704-01A2
Annual Direct Costs: N/A
Total Direct Costs: N/A
- 09/15/06-02/28/12 (PI: 8%)
A Phase III, Multi-center, Double-blind, Placebo controlled, Parallel-arm Trial to Determine the Long-term Safety and Efficacy of oral Tolvaptan Tablet Treatment Regimens in Adult Subjects with Autosomal Dominant Polycystic Kidney Disease.
Otsuka Maryland Research Institute, Inc., Johns Hopkins Site 26 participants enrolled
Total Direct Costs: \$574,225
- 09/01/05-08/31/08 (PI: 1%)
A Phase II, Multi-center, Open label Study to determine the Long-term Safety, Tolerability and Efficacy of split-dose Tolvaptan Tablets in a Range of 30 to 120 mg/d in Patients with Autosomal Dominant Polycystic Kidney Disease.
Otsuka Maryland Research Institute, Inc., Johns Hopkins Site
Total Direct Costs: \$43,164
- 07/01/06-6/30/07 (PI: 0%)
Polycystin-2 (PC2, TRPP2) and TRPV4 form a functional heteromultimeric channel complex.
National Kidney Foundation of Maryland
Total Direct Costs: \$6,472
- 07/01/04-06/30/07 (PI: 5%)
The Role of Endothelial Cell Polycystin-1 in Vascular Function and Integrity.
Satellite Research Foundation
Annual Direct Costs: \$43,478
Total Direct Costs: \$130,434
- 07/01/04-06/30/05 (PI: 10%)
Characterization of PKD2 Conditional Knock-Out Mice.
NKF/Maryland Professional Development Award
Total Direct Costs: \$40,000
- 05/01/98-03/31/04 (PI: 75%)
Role of PKD1 Splicing Patterns in Disease Pathogenesis
NIH, K08DK002562
Annual Direct Costs: \$116,563
Total Direct Costs: \$566,022
- 09/01/01- 08/31/03 (PI: 40%)
Role of Polycystins in Maintaining Vascular Integrity

NIH Program Grant, Pilot and Feasibility Project, PKD Center for Excellence
Total Direct Costs: \$50,000

01/01/01-02/31/02 (PI: 5%)
Development of Drosophila Melanogaster As a Model System for the Study of Polycystins.
PKRF Research Grant-in-Aid
Total Direct Costs: \$50,000

04/01/94-06/30/96 (PI: 100%)
Molecular and Biochemical Analysis of PKD1 Candidate Gene.
(relinquished due to promotion to Assistant Professor)
National Research Service Award (NRSA) DK09055

07/01/96-06/30/97 (PI: 5%, no salary support)
Mutation Detection of PKD1.
National Kidney Foundation, Maryland

12/01/96-11/30/97 (PI: No salary support)
Analysis of Somatic Mutation in ADPKD Tissues.
PKRF Research Award

12/01/97-11/30/99 (PI: 75%)
Splicing Patterns in the PKD1 Gene (relinquished upon award of NIH K08)
JHU Institutional Grant sponsored by Solo Cup

Sponsored:

07/01/05-06/30/07 The Mechanisms of Fibrillin-Polycystin-1 Interaction.
PKD Foundation
Connie Wang, M.D., Sponsor, Gregory Germino, Co-sponsor

7/1/2009-6/30/2011 Role of Polycystins in the Vascular Endothelium.
National Kidney Foundation
Patricia Outeda-Garcia, Ph.D. Sponsor, Terry Watnick

Pending:

12/01/16-09/30/21 (PI: 25%) Co-I Somlo, Yale
Determinants of Aneurysm Formation in Autosomal Dominant Polycystic Kidney Disease
NIH, R01
Annual Direct Costs: Approximately \$400, 000 annual
Total Direct Costs: \$2, 949, 571

Patents, Inventions and Copyrights

1. "Detection and Treatment of Polycystic Kidney Disease", application filed 07/13/01, JHU Ref: DM-3708, patent number 09/904, 968; by Germino, GG, Watnick T, and Phakdeekitcharoen, B.

Publications

Peer-reviewed journal articles

1. **Watnick TJ**, Jenkins RR, Rackoff P, Baumgarten A, Bia MJ. Microalbuminuria and hypertension in long-term renal donors. *Transplantation*, **45**:59-65, 1988.
2. American PKD Consortium: Burn TC, Connors TD, Dackowski WR, Petry LR, Van Raay TJ, Millholland JM, Venet M, Miller G, Hakim RM, Landes GM, Klinger KW, Qian F, Onuchic LF, **Watnick T**, Germino GG, Doggett NA. Analysis of the genomic sequence for the autosomal dominant polycystic kidney disease (PKD1) gene predicts the presence of a leucine-rich repeat. *Hum Molec Genet*, **4**:575-582, 1995.
3. Qian F*, **Watnick TJ***, Onuchic LF, Germino GG. The molecular basis of focal cyst formation in human autosomal dominant polycystic kidney disease type I. *Cell*, **87**:979-987, 1996. (*Co-authors, listed alphabetically, on title page).
4. Ibraghimov-Beskrovnaya O, Dackowski WR, Foggensteiner L, Coleman N, Thiru S, Petrey LR, Burn TC, Connors TD, Van Raay T, Bradley J, Qian F, Onuchic LF, **Watnick TJ**, Piontek K, Hakim RM, Germino GG, Landes GM, Sandford R, Klinger KW. Polycystin: *in vitro* synthesis, *in vivo* tissue expression and subcellular localization identifies a large membrane-associated protein. *Proc Natl Acad Sci, USA*, **94**:6397-6402, 1997
5. **Watnick TJ**, Piontek KB, Cordal TM, Weber H, Gandolph MA, Qian F, Lens XM, Neumann HPH, Germino GG. An unusual pattern of mutation in the replicated portion of PKD1 is revealed by use of a novel strategy for mutation detection. *Hum Molec Genet*, **6**:1473-1481, 1997.
6. **Watnick TJ**, Torres VE, Gandolph MA, Qian F, Onuchic LF, Klinger KW, Landes G, Germino GG. Somatic mutation in individual liver cysts supports a two hit model of cystogenesis in autosomal dominant polycystic kidney disease, type I. *Molec Cell*, **2**:247-251, 1998.
7. **Watnick TJ**, Torres VE, Gandolph MA, Weber H, Neumann HPH, Germino GG. Gene conversion may be an important cause of mutation in PKD1. *Hum Molec Genet*, **7**:1239-1243, 1998.
8. Reynolds DM, Hayashi T, Cai Y, Veldhuisen B, **Watnick TJ**, Lens XM, Mochizuki T, Qian F, Fossdal R, Coto E, Wu G, Breuning MH, Germino GG, Peters DJM, Somlo S. Abberant splicing in the *PKD2* gene as a cause of polycystic kidney disease. *J Am Soc Nephrol*, **10**:2342-2351, 1999.
9. Pei Y, **Watnick T**, He N, Wang K, Liang Y, Parfrey P, Germino G, St. George-Hyslop P. Somatic *PKD2* mutations in individual kidney and liver cysts support a "two-hit" model of cystogenesis in type 2 autosomal dominant polycystic kidney disease. *J Am Soc Nephrol*, **10**:1524-1529, 1999.
10. **Watnick T**, Phakdeekitcharoen B, Johnson A, Gandolph M, Wang M, Briefel G, Klinger KW, Kimberling W, Gabow P, Germino GG. Mutation detection of *PKD1* identifies a novel mutation common to three families with severe disease. *Am J Hum Genet*, **65**:1561-1571, 1999.

11. **Watnick T**, He N, Wang K, Liang Y, Parfrey P, Hefferton D, St. George-Hyslop P, Germino G, Pei Y. Cyst formation in autosomal dominant polycystic kidney disease is a "Two-Hit" process that may result from trans-heterozygous mutations of interacting PKD proteins. *Nat Genet*, **25**:143-144, 2000.
12. Phakdeekitcharoen B, **Watnick TJ**, Ahn C, Whang D-Y, Burkhard B, Germino GG. Thirteen novel mutations of the replicated region of *PKDI* in an Asian population. *Kid Inter*, **58**:1400-1412, 2000.
13. Pei Y, Paterson AD, Wang KR, Ne N, Hefferton D, **Watnick T**, Germino G, Parfrey P, Somlo S, St. George-Hyslop P. Bilineal disease and trans-heterozygotes in autosomal dominant polycystic kidney disease. *Am J Human Genet*, **68**:355-363, 2001.
14. Phakdeekitcharoen B, **Watnick TJ**, Germino GG. Mutation detection of entire duplicated part of *PKDI* in genomic DNA sample. *J Am Soc Nephrol*, **12**:955-963, 2001.
15. Qian F, Boletta A, Bhunia AK, Xu H, Liu L, Ahrabi AM, **Watnick TJ**, Zhou F & Germino GG. Cleavage of Polycystin-1 Requires the REJ Domain and Is Disrupted by Human ADPKD1-associated Mutations. *Proc Natl Acad Sci, USA*, **99**:16981-16986, 2002.
16. **Watnick TJ**, Jin Y, Matunis E, Kernan MJ, Montell C. A flagellar polycystin-2 homolog required for male fertility in *Drosophila*. *Cur Biol*, **13**:2179-2184, 2003
17. Garcia-Gonzalez MA, Jones JG, Allen SK, Palatucci CM, Batish SD, Seltzer WK, Lan Z, Allen E, Qian F, Lens XM, Pei Y, Germino GG, **Watnick TJ**. Evaluating the clinical utility of a molecular genetic test for polycystic kidney disease. *Mol Genet and Metab*, **92** 160-7, 2007.
18. Garcia-Gonzalez MA, Menezes LF, Piontek KB, Kaimori J, Huso DL, **Watnick T**, Onuchic LF, Guay-Woodford LM, Germino GG. Genetic interaction studies link autosomal dominant and recessive polycystic kidney disease in a common pathway. *Hum Molecular Genetics*, **16**: 1940-50, 2007.
19. Tan PL, Barr T, Inglis PN, Mitsuma N, Huang SM, Garcia-Gonzalez MA, Bradley BA, Coforio S, Albrecht PJ, **Watnick T**, Germino GG, Beales PL, Caterina MJ, Leroux MR, Rice FL, Katsanis N. Loss of Bardet Biedl syndrome proteins causes defects in peripheral sensory innervation and function. *Proc Natl Acad Sci, USA*, **104**:17524-17529, 2007.
20. Köttgen M, Buchholz B, Garcia-Gonzalez MA, Kotsis F, Fu X, Doerken M, Boehlke C, Steffl D, Tauber R, Wegierski T, Nitschke R, Suzuki M, Kramer-Zucker A, Germino GG, **Watnick T**, Prenen J, Nilius B, Kuehn EW, Walz G. TRPP2 and TRPV4 form a polymodal sensory channel complex. *J Cell Biol* **182**: 437-47, 2008.
21. Huang E, Samaniego M, McCune T, Melancon J, Montgomery R, Ugarte R, Kraus E, Womer K, Rabb H, **Watnick T**. DNA Testing for Live Kidney Donors at Risk for Autosomal Dominant Polycystic Kidney Disease. *Transplantation*, **87**: 133-37, 2009.
22. Hartman TR, Liu D, Zilfou JT, Robb V, Morrison T, **Watnick T**, Henske EP. The tuberous sclerosis proteins regulate the formation of the primary cilium via a rapamycin-insensitive and polycystin-1 independent pathway. *Hum Mol Genet* **18**: 151-63, 2009.
23. Kashtan CE, Segal Y, Flinter F, Makanjuola D, Gan J-S, **Watnick T**. Aortic Abnormalities in Males with Alport Syndrome. *Nephrol Dial and Transplant* **11**:3554-60, 2010.
24. Shah S, **Watnick T**, Atta MG. Not All Renal Cysts Are Created Equal. *Lancet* **376**:1024, 2010.
25. Garcia-Gonzalez MA, Outeda P, Zhou Q, Zhou F, Menezes LF, Huso DL, Germino GG, Piontek KB, **Watnick T**. *Pkd1* and *Pkd2* are required in trophoblasts and endothelial cells for normal placental development. *PLoS One* **5(9)**: pii: e12821, 2010.

26. Pei Y and **Watnick T**. Diagnosis and Screening of autosomal dominant polycystic kidney disease. *Adv Chronic Kidney Dis*. **17**: 140-52, 2010.
27. Talbot JJ, Shillingford JM, Vasanth S, Doerr N, Mukherjee S, Kinter MT, **Watnick T**, Weimbs T. Polycystin-1 regulates STAT activity by a dual mechanism. *Proc Natl Acad Sci, USA*, **108**:7985-90, 2011.
28. Kottgen M, Hofherr A, Li W, Chu K, Cook S, Montell C, **Watnick T**. Drosophila Sperm Swim Backwards in the Female Reproductive Tract and Are Activated via TRPP2 Ion Channels. **PLoS One**. 6(5):e20031, 2011.
29. Higashihara E, Torres VE, Chapman AB, Grantham JJ, Bae K, **Watnick TJ**, Horie S, Nutahara K, Ouyang J, Krasa HB, Czerwiec FS; TEMPO Formula and 156-05-002 Study Investigators. Tolvaptan in autosomal dominant polycystic kidney disease: three years experience. *Clin J Am Soc Nephrol*. **6**: 2499-507, 2011.
30. Pei Y, Lan Z, Wang K, Garcia-Gonzalez M, He N, Dicks E, Parfrey P, Germino G, **Watnick T**. A Missense Mutation in PKD1attenuates the severity of Renal Disease. *Kidney Int* **81**: 412-417, 2012.
31. Torres VE, Chapman AB, Devuyst O, Gansevoort RT, Grantham JJ, Higashihara E, Perrone RD, Krasa HB, Ouyang J, Czerwiec FS; **TEMPO 3:4 Trial Investigators**. Tolvaptan in patients with autosomal dominant polycystic kidney disease. *N Engl J Med* **367**: 2407-18, 2012.
32. Liu D, Wang CJ, Judge DP, Halushka MK, Ni J, Habashi JP, Moslehi J, Bedja D, Gabrielson KL, Xu H, Qian F, Huso D, Dietz HC, Germino GG, **Watnick T**. A Pkd1-Fbn1 genetic interaction implicates TGF- β -Signaling in the pathogenesis of vascular complications in ADPKD. *J Am Soc Nephrol* **25**: 81-91, 2014.
33. Fonseca J, Bastos A, Amaral A, Sousa M, Souza L, Malheiros D, Piontek K, Irigoyen M, **Watnick T**, Onuchic L. Renal cyst growth is the main determinant for hypertension and concentrating deficit in *Pkd1*-deficient mice. *Kidney Int* 85: 1137-50, 2014.
34. Outeda P, Huso DL, Fisher SA, Halushka MK, Kim H, Qian F, Germino GG and **Watnick T**. Polycystin signaling is required for directed endothelial cell migration and lymphatic development. *Cell Reports* 7: 634-44, 2014.
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38. Perrone RD, Malek AM **Watnick T**. Vascular Complications in Autosomal Dominant Polycystic Kidney Disease. *Nat Rev Nephrol*. 11: 589-98, 2015.
39. Hofherr A, Wagner CJ, **Watnick T**, Kottgen, M. Targeted rescue of a polycystic kidney disease mutation by lysosomal inhibition. *Kidney Int*. 89:949-55, 2016

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Chapters and Invited Reviews

1. **Watnick TJ**, Germino GG. The molecular basis of autosomal dominant polycystic kidney disease. *Semin Nephrol*, **19**:327-343, 1999.
2. Qian F, **Watnick T**. Somatic mutation as mechanism for cyst formation in autosomal dominant polycystic kidney disease. *Molec Genet Metabol*, **68**:237-242, 1999.
3. **Watnick TJ**, Germino GG. Introduction to Genetic Renal Disease, in *Diseases of the Kidney* (7th edition), by Schrier RW and Gottschalk CW, eds; Lippincott, Williams and Wilkins, 2005.
4. Pei Y and **Watnick T**. Genetics of autosomal dominant polycystic kidney disease and mechanisms of cyst growth. Uptodate review, 2016.

Editorials

1. **Watnick T**, Germino G. From cilia to cyst. *Nat Genet*, **34**:355-356, 2003.
2. Pei Y, **Watnick T**. Autosomal dominant Polycystic kidney disease. *Adv Chronic Kidney Dis*. **17**: 115-17, 2010
3. Pei, Y, **Watnick T**. Autosomal Dominant Polycystic Kidney Disease. *Adv Chronic Kidney Dis*. **17**: 140-52, 2010.
4. **Watnick T** and Germino G. The role of mTOR inhibitors in autosomal dominant polycystic kidney disease. *New Engl. J of Med*. **363**: 879-81, 2010.
5. **Watnick,T** and Germino G. Polycystic Kidney Disease: Polycystin-1 and polycystin-2—it's complicated. *Nat Rev Nephrol* **5**: 249-50, 2013

Selected Abstracts

1. Qian F., Onuchic LF., Baldini A., **Watnick T.**, Reeders S., Germino GG., “PKD1 gene is a unique member of a novel gene family”, American Society of Nephrology Annual Meeting, Orlando, FL, Poster presentation, 1994

2. Onuchic LF., Qian F., Weinstat-Saslow D., Barton N., Schneider M., Somlo S., **Watnick T.**, Reeders S., Germino G., "Does the PKD1 gene map to a renal cluster?" American Society of Nephrology Annual Meeting, Orlando, FL, Oral presentation, 1994
3. Qian F., Onuchic L., **Watnick T.**, Tan SS. Germino GG. "Analysis of the clonal nature of ADPKD cysts". American Society of Nephrology Annual Meeting, San Diego, CA, Oral presentation, 1995
4. **Watnick T.**, Qian F., Onuchic LF., Germino GG., "The molecular basis of focal cyst formation in PKD1", American Society of Nephrology Annual Meeting, New Orleans, LA. Mini-symposium, Oral presentation, 1996
5. Hayashi T., Mochizuki T., **Watnick, TJ.**, Reynolds DM., Wu GQ., Cai Y., Coto E., Germino G., Lens X., Somlo S. "Genomic organization and mutations in the second gene for polycystic kidney disease (PKD2)", American Society of Nephrology Annual Meeting, New Orleans, LA. Mini-symposium, Poster Discussion, 1996
6. Ibraghimov-Beshrovnaya O., Dackowski W., Petry L., Burn T., Connors T., Van Raay T., Qian F., Onuchic L., **Watnick T.**, Piontek K., Hakim R., Landes G., Germino G., Klinger K., "Expression of recombinant polycystin", American Society of Nephrology Annual Meeting, New Orleans, LA. Poster presentation, 1996
7. **Watnick T.**, Qian F., Somlo S., Neumann HPH., Weber H., Germino G., "Use of a functional assay for evaluating sequence variants in exons 45-46 of PKD1", American Society of Nephrology Annual Meeting, New Orleans, LA. Poster discussion, 1996
8. **Watnick T.**, Landes G., Neumann HPH., Piontek K., Van Raay T., Weber H., Germino G., "Mutation detection within the duplicated region of the PKD1 gene" American Society of Nephrology Annual Meeting, New Orleans, LA. Poster discussion, 1996
9. **Watnick TJ.**, Qian F., Onuchic LF., Torres VE., Germino GG., "Loss of heterozygosity for a PKD1 intragenic polymorphism in hepatic cysts in ADPKD suggests "Two hit" mechanism", American Society of Nephrology Annual Meeting, San Antonio, TX, Poster discussion, 1997
10. Phakdeekitcharoen B., **Watnick TJ.**, Gandolph M., Germino GG. "Germ-line mutation in the duplicated part of PKD1 gene in Thai population", American Society of Nephrology Annual Meeting, Philadelphia, PA, Poster discussion, 1998
11. **Watnick T.**, Phakdeekitcharoen B., Gandolph M., Johnson A., Gabow P., Kimberling W., Overbeck L., Landes G., Klinger K., Germino GG. "Mutation detection of PKD1 exons 15-21 using locus specific reagents", American Society of Nephrology Annual Meeting, Philadelphia, PA, Poster discussion, 1998
12. Pei Y., **Watnick T.**, He N, Wang K., Liang Y., Parfrey P., St George-Hyslop P., Germino G. "Somatic PKD2 mutation in individual cysts support a "two-hit" model of cystogenesis in ADPKD type 2", American Society of Nephrology Annual Meeting, Miami Beach, Florida, Poster presentation, 1999
13. Pei Y, Paterson AD., Wang KR., He N, Hefferton D., **Watnick T.**, Germino GG., Somlo S., Parfrey P., St George-Hyslop P. "Bilineal inheritance and trans-heterozygotes for autosomal dominant polycystic kidney disease (ADPKD)" American Society of Nephrology Annual Meeting, Miami Beach, Florida, Oral presentation, 1999
14. Phakdeekitcharoen B., **Watnick TJ.**, Germino GG. "Modified long-range PCR approach for mutation detection of exons 2-34 of PKD1 in archived DNA samples", American Society of Nephrology Annual Meeting, Miami Beach, Florida, Poster presentation, 1999

15. **Watnick T.**, Piontek K., Landes G., Benz E., Germino G. “ An unusual splicing pattern detected in the PKD1 gene”, American Society of Nephrology Annual Meeting, Miami Beach, Florida, Poster presentation, 1999
16. **Watnick T.**, Friese M., Germino G., Montell C. *Drosophila melanogaster* as a model to study Polycystic Kidney Disease Genes. American Society of Nephrology Annual Meeting, Toronto Canada, Oral Presentation, 2000
17. **Watnick T.**, Jin Y., Xu X-Z, Montell C. Polycystin Homlogis in *Drosophila melanogaster*. American Society of Nephrology Annual Meeting, San Francisco, California, Poster presentation, 2001.
18. **Watnick T.**, Jin Y., Hu B., Montell C. Polycystin homologs in *Drosophila melanogaster*-the next phase, American Society of Nephrology Annual Meeting, Philadelphia, Pennsylvania, Poster presentation, 2002
19. Zhou Q, Zhou F, Piontek K Allen E, Germino G, **Watnick T.** A human PKD1 transgene with placental expression partially rescues the Pk1 null phenotype. American Society of Nephrology Annual Meeting. St. Louis, Missouri, Poster presentation, 2004.
20. Wang C., Judge D., Moslehi J., Piontek K., Deng J., Germino G., Dietz H., **Watnick T.** An Epistatic Interaction between Pkd1 and Fbn1 may depend on upregulation of TGF- β signaling. American Society of Nephrology Annual Meeting, Philadelphia, Pennsylvania, Poster presentation, 2005
21. Garcia-Gonzalez M., Zhou Q., Germino G., **Watnick T.** Conditional Inactivation of Murine Pkd2 using a tri-allelic system. American Society of Nephrology Annual Meeting, Philadelphia, Pennsylvania, Poster presentation, 2005
22. Zhou F., Piontek K., Germino G., **Watnick T.** Does loss of endothelial cell polycystin-1 result in lethality? American Society of Nephrology Annual Meeting, San Diego, California, Poster presentation, 2006
23. Wang C., Judge D., Loeys B., Bhunia A., Halushka M., Yu S., Qian F., Piontek K., Germino G., Dietz H., **Watnick T.** Loss of Pkd1 results in increased responsiveness to TGF- β . American Society of Nephrology Annual Meeting, San Diego, California, Poster presentation, 2006
24. Kashtan C., Mangini J., Kren S., Segal Y., **Watnick T.** Aortic Disease in Patients with Alport Syndrome. American Society of Nephrology Annual Meeting, San Diego, California, Poster presentation, 2006
25. **Watnick T.**, Ugarte R., Kraus E., Tan M., Melancon K., Montgomery R., Rabb H. DNA testing allows safer use of liver kidney donors at risk for autosomal dominant polycystic kidney disease. World Congress of Nephrology, Boston Massachusetts, 2006, Poster Award.
26. **Watnick T.**, Lan Z., Wang K., Garcia-Gonzalez M., Mallees A., Dick E., Parfrey P., Germino G., Pei Y. Mild renal cystic disease associated with a PKD1 missense mutation. American Society of Nephrology Annual Meeting, San Francisco, California, Poster presentation, 2007
27. Kottgen M., Krishnan Y., Chu K., Bridges S., Montell C., **Watnick T.** An unbiased forward genetic screen in *Drosophila* to identify new components in the polycystin signaling pathway. American Society of Nephrology Annual Meeting, Philadelphia, Pennsylvania, Poster presentation, 2008
28. Liu D., Kottgen.M., Xu Y., Habashi J., Huso D., Germino G., **Watnick T.** The role of polycystin-1 in Vascular Smooth Muscle Cells. American Society of Nephrology Annual Meeting, San Diego, California, Poster presentation, 2009

29. Torres V., Winklhofer F., Chapman A., **Watnick T.**, Kedzierski K., Ouyang J., Czerwiec F. Tempo 2/4 Investigators. Phase 2 open-label study to determine long-term safety, tolerability and efficacy of split-dose tolvaptan in ADPKD. American Society of Nephrology Annual Meeting, San Diego, California, Poster presentation, 2009
30. Outeda P., Xu Y., Garcia-Gonzalez M., Germino G., **Watnick T.** Defining the cellular phenotype of polycystin null endothelial cells. American Society of Nephrology Annual Meeting, San Diego, California, Oral presentation, 2009
31. Kottgen M., Hofherr A., Li W., Chu K. **Watnick T.** In vivo analysis of the Drosophila *Pkd2* (TRPP2) Homolog. American Society of Nephrology Annual Meeting, Denver, Colorado, Poster presentation, 2010
32. Torres V., Chapman A., Grantham J., **Watnick T.**, Ouyang J., Krasa H., Czerwiec F. Tempo 2/4 Investigators. TEMPO 2/4 Update: Changes in ADPKD Total Kidney Volume and eGFR with 3 Years of Tolvaptan and after Withdrawal. American Society of Nephrology Annual Meeting, Denver, Colorado, Poster presentation, 2010
33. Outeda P, Zhu X, Menezes L, Hartung E, **Watnick T**, Germino G. Characterization of a new ARPKD mouse model: an “in vivo” model to study the function of the C-terminal region of Polyductin, American Society of Nephrology Annual Meeting, San Diego, California, Oral Presentation, 2012.
34. Rosetti S, **Watnick TJ**, Avner ED, Harris PC. Characterization of the genomic origin of PKD1 gene conversions in autosomal dominant polycystic kidney disease. American Society of Nephrology Annual Meeting, San Diego, California, Poster Presentation, 2012.
35. Li W, Cook S and **Watnick T.** Polarized trafficking of polycystin-2 in drosophila sperm. Drosophila Research Conference, Washington, DC, Poster Presentation, 2013.
36. Outeda P, Germino G, **Watnick T.** Polycystin Signaling is required for Lymphatic Development. American Society of Nephrology Annual Meeting, Atlanta, Georgia, Poster Presentation, 2013.
37. Li W, Cook S, **Watnick T.** Trafficking of Polycystin 2 homolog (Amo) in Drosophila Sperm. Drosophila Research Conference, San Diego CA, Poster Presentation, 2014.

Major Invited Speeches

Local

1. “Treatment Prospects for Autosomal Dominant Polycystic Kidney Disease”. Welch Center, Johns Hopkins University School of Medicine, Baltimore, Maryland, 2001.
2. “Treatment Prospects for Autosomal Dominant Polycystic Kidney Disease” Annual Philip A. Tumulty Topics in Clinical Medicine, Baltimore, Maryland. 2002
3. “The Role of DNA Diagnostics in ADPKD”. Nephrology Grand Rounds, University of Maryland, Baltimore, Maryland, 2004.
4. “A 53 year old woman with renal failure and Intracranial Aneurysms”. Medical Grand Rounds, Johns Hopkins Hospital, Baltimore, Maryland May 2005
5. “Clinical Trials in ADPKD: Update”. Annual Philip A. Tumulty Topics in Clinical Medicine, Baltimore, Maryland. 2007
6. “Clinical Trials in ADPKD: An Update”. Nephrology Grand Rounds, University of Maryland, Baltimore, Maryland, 2007.

7. Clinical Trials in ADPKD: An Update. Nephrology Grand Rounds, Johns Hopkins-Bayview, 2007
8. "The Role of Polycystins in Endothelial Cell Integrity". Mid-Atlantic Young Investigator Forum, Baltimore, Maryland 2008.
9. "New Treatment Trials in Adult Polycystic Kidney Disease". Medical Grand Rounds, Franklin Square Hospital Center, Baltimore, Maryland 2008
10. "Lost in Translation: Lessons Learned From an Unsuccessful Clinical Trial in ADPKD". Medical Grand Rounds, Johns Hopkins Hospital, Baltimore, Maryland, 2011.
11. "Cases from Inherited Renal Disease Clinic" Nephrology Grand Rounds, Johns Hopkins Hospital, 2011.
12. "Lost in Translation: Lessons Learned From an Unsuccessful Clinical Trial in ADPKD". Medical Grand Rounds, University of Maryland Medical Center, Baltimore, Maryland, 2013.
13. "Investigating the Association Between ADPKd and Vascular Phenotypes". Transplant Medicine Weekly Conference, University of Maryland Medical Center, Baltimore, Maryland, 2013.
14. "Lost in Translation: Lessons Learned From an Unsuccessful Clinical Trial in ADPKD". Medical Grand Rounds, St. Joseph's Medical Center, Towson, Maryland, 2013.
15. "Update: Tolvaptan Therapy in ADPKD". Nephrology Grand Rounds, Johns Hopkins Hospital, Baltimore, Maryland, 2014.
16. "ADPKD Overview: The patient with Autosomal Dominant Polycystic Kidney Disease". Genetics weekly conference Johns Hopkins Hospital, Baltimore, Maryland, 2014.
17. "The Vasculopathy of ADPKD", Center for Vascular and Inflammatory Diseases, weekly conference, University of Maryland, Baltimore, MD May 2014.

National

18. PKD Genes, Worms and Flies (The use of Model Organisms to study Human Disease)". Nephrology Rounds, Columbia University College of Physicians and Surgeons, New York, New York, 2002.
19. "Update: Treatment Prospects for ADPKD". Friends of PKD Symposium, Roanoke Virginia, 2002.
20. "Polycystin Homologs in *Drosophila melanogaster*". FASEB Meeting, New Insights in Polycystic Kidney Disease, Tuscon, Arizona, July 2002.
21. "Research in Progress, PKD: X-Rated". Laboratory of Kidney and Electrolyte Metabolism, National Institutes of Health, Bethesda, Maryland. 2003.
22. "DNA Diagnostics in ADPKD". Nephrology Grand Rounds, University of Virginia, Charlottesville, Virginia, 2004.
23. "TRPPs Make Sense". American Society of Nephrology, Session title: The TRP Superfamily of Cation Channels: Emerging Roles in Epithelial Physiology, 2004.
24. "TRPPs, Flies and Fertility". FASEB Meeting, "Calcium and Cell Function", Snow Mass, Colorado. 2005.
25. "Promises for Future discoveries in ADPKD". The Gladys Hirschman Symposium, National Institutes of Health, Bethesda Maryland 2005.
26. "Drosophila Polycystins" FASEB Meeting, New Insights in Polycystic Kidney Disease: Molecular Pathways, Pathogenic Mechanisms and Translational Applications. Saxton's River VT 2005.

27. "The Role of Endothelial Cell Polycystin-1 in Vascular Function and Integrity". Norman S. Coplon Extramural Grant Symposium. Denver, Colorado 2006.
28. "Pain Management in PKD" PKD Foundation Annual Meeting, Washington, DC, 2006.
29. "The Role of Endothelial Cell Polycystin-1 in Vascular Function and Integrity". Norman S. Coplon Extramural Grant Symposium. Chicago, Ill 2007.
30. "Important Issues to Discuss with your Doctor/Questions to Ask". PKD Foundation Annual Meeting, Orlando, Florida, 2007.
31. "Clinical Trials in ADPKD: An Update". Friends of PKD Yearly Meeting, Newark, Delaware, 2007.
32. "TRPPs, Flies and Fertility". FASEB Meeting, The Biology of Cilia and Flagella. Saxton River, Vermont, 2007.
33. "Polycystic Kidney Disease: Emerging Therapies" Renal Advantage Medical Directors Meeting, Las Vegas, Nevada, 2007.
34. Congressional Briefing: Research in Polycystic Kidney Disease". Washington, DC, 2009.
35. "Clinical Trials in ADPKD: An Update". PKD Foundation Meeting, San Deigo California, 2009.
36. "Basic Mechanisms of PKD: How Does a Cyst Become a Cyst". Preliminary Program, American Society of Nephrology, Annual Meeting Polycystic Kidney Disease: Translating Mechanisms into Therapy, Denver, Colorado, 2010.
37. "Basic Mechanisms of PKD" New York Society of Nephrology, New York, New York, 2010.
38. "Basic Mechanisms of PKD: How Does a Cyst Become a Cyst". Preliminary Program, American Society of Nephrology, Annual Meeting Polycystic Kidney Disease: Translating Mechanisms into Therapy, Philadelphia, Pennsylvania 2011.
39. "Mechanisms of Cystogenesis" Medical Grand Rounds Henry Ford Hospital, Detroit Michigan, 2011.
40. "Pathogenesis of ADPKD" Nephrology Rounds Henry Ford Hospital, Detroit Michigan, 2011.
41. "Investigating the Association between ADPKD and Vascular Phenotypes", O'Brien Center Symposium, Yale School of Medicine, New Haven Connecticut, June 15, 2012.
42. Understanding Your Labs. Webinar for the PKD Foundation, April 10, 2013.
43. "Basic Mechanisms of PKD: How Does a Cyst Become a Cyst". Preliminary Program, American Society of Nephrology, Annual Meeting Polycystic Kidney Disease: Translating Mechanisms into Therapy, Atlanta, Georgia 2013.
44. "Update: Tolvaptan Therapy in ADPKD", Renal Grand Rounds, Johns Hopkins School of Medicine, Baltimore, MD, April 2014.
45. "The Patient with ADPKD: a Review". Topics in Clinical Genetics Monthly Lecture Series, Johns Hopkins School of Medicine, Baltimore, Maryland, May 2014.
46. "The Vasculopathy of ADPKD", Renal Grand Rounds, University of Pittsburgh, Visiting Professor, Pittsburgh PA, April 2014.
47. "Get the Most out of Your Doctor's Time" PKD Foundation National Convention, Kansas City, Kansas. June 2014.
48. "PKD Science Update". PKD Foundation National Convention, Kansas City, Kansas. June 2014.

49. "Polycystins are required for normal Lymphangiogenesis". American Society of Nephrology, Annual Meeting, Invited Lecture, Session title: Advances in Understanding PKD Pathogenesis. Philadelphia, PA November, 2014
50. Autosomal Dominant Polycystic Kidney Disease, Congressional Briefing, Washington, DC March, 2015.
51. "Polycystins and Lymphatic Development", Cellular and Molecular Physiology Seminar Series, Yale School of Medicine, New Haven CT April, 2015.
52. A novel module regulating Amo (Drosophila Pkd2) Trafficking. UAB HRFDCC and UAB-UCSD O'Brien Core Centers Symposium, University of Alabama, Birmingham Al, March 2016.
53. "Learn the Facts: The Basics of ADPKD", PKD Foundation National Convention, Orlando, Florida. June 2016.
54. "Extra-Renal Manifestations of ADPKD: Aneurysms", PKD Foundation National Convention, Orlando, Florida. June 2016.
55. "Aneurysms in Autosomal Dominant Polycystic Kidney Disease", University of Iowa, Department of Medicine lecture, Iowa City Iowa, July 2016

International

56. "Genetics of Autosomal Dominant Polycystic Kidney Disease". Buenos Aires, Argentina, April 1999.
57. "TRPPs Make Sense" Fesbe (Federacao de Sociedades de Biologia Experimental) Aguas de Lindoia, Brazil, July 2005.
58. "The Role of DNA Diagnostics in ADPKD". Renal Rounds, University of Sao Paulo, Brazil
59. "What we Learn from Animal Models: Drosophila" ISN Forefronts Symposium on Polycystic Kidney Disease Montreal, Canada, 2008.
60. "Extrarenal manifestations of ADPKD" Satellite meeting of the 40th course in Advances in Nephrology, Dialysis and Transplantation, First joint meeting on clinical genetics of renal disease, Milan Italy, 2008.
61. "Extrarenal Manifestations of ADPKD". ISN COMGAN Nephrology Forum of Shanghai Medical Association, Shanghai China, 2009.
62. "Clinical Care of the Patient with ADPKD" ISN COMGAN Nephrology Forum of Shanghai Medical Association, Shanghai China, 2009.
63. Polycystic Kidney Disease/Polycystic Liver Disease Overview. International Consensus Conference on Polycystic Liver Disease sponsored by Novartis. Zurich Switzerland, December, 2012.
64. "The Role of Polycystins in Lymphatic Development". FASEB Meeting entitled Polycystic Kidney Disease: From Molecular Mechanism to Therapy. Lucca, Italy 2014.

Preferred Communications

1. Wu X., Nicksch P., **Watnick T.**, Corey D. PKD2 is targeted to hair cell kinocilia and is required for normal hair bundle morphology 7th Molecular Biology of Hearing and Deafness, Boston, Massachusetts, Poster Presentation, 2009.

2. Li W., Chu K., Cook S., Kottgen M., **Watnick T.** The Dynamic Localization of Polycystin-2 homolog (Amo) during spermatogenesis in Drosophila Testis. Drosophila Research Conference, San Diego, California, Poster Presentation, 2010.
3. Kottgen M., Hofherr A., Li W., Chu K., Cook S., Montell C., **Watnick, T.** Drosophila sperm swim backwards in the female reproductive tract and are activated via TRPP2 ion channels. FASEB summer research conference, Saxtons River, Vermont, Oral Presentation, 2011