

CURRICULUM VITAE

THOMAS WEIMBS, PH.D.

Department of Molecular, Cellular, and Developmental Biology
University of California Santa Barbara
Santa Barbara, CA 93106-9610
URL: labs.mcdb.ucsb.edu/weimbs/thomas

Office: 805-893-4144
e-mail: weimbs@ucsb.edu
Zoom: <https://ucsb.zoom.us/my/weimbs>

POSITIONS

1999-2005	Assistant Staff, Department of Cell Biology, Lerner Research Institute, The Cleveland Clinic
2004-2005	Assistant Professor, Department of Molecular Medicine, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University
2005-2007	Assistant Professor, Department of Molecular, Cellular, and Developmental Biology, University of California Santa Barbara
2007-2014	Associate Professor with Tenure, Department of Molecular, Cellular, and Developmental Biology, University of California Santa Barbara
2014-present	Professor, Department of Molecular, Cellular, and Developmental Biology, University of California Santa Barbara
2020-present	Founder and President of Santa Barbara Nutrients, Inc, a Delaware-incorporated benefit corporation, headquartered in Santa Barbara, CA

SECONDARY APPOINTMENTS IN UNIVERSITIES AND PROGRAMS

2001-2005	Member, Graduate Program in Cell Biology, Case Western Reserve University
2001-2005	Adjunct Assistant Professor, Department of Biological, Geological, and Environmental Sciences, Cleveland State University
2002-2005	Member, Molecular Medicine Joint Graduate Program of The Cleveland Clinic and Cleveland State University
2002-2005	Adjunct Assistant Professor, Department of Chemistry, Cleveland State University
2002-2005	Adjunct Assistant Professor, Cellular and Molecular Biology Program, School of Biomedical Sciences, Kent State University
2003-2005	Member, Case Comprehensive Cancer Center, Case Western Reserve University
2005-present	Neuroscience Research Institute, University of California Santa Barbara

EDUCATION

1984-1990	Undergraduate studies and research in chemistry and biochemistry, University of Cologne, Germany, final degree "Diplom Chemiker" (MS)
1989-1992	Teaching Assistant, Department of Biochemistry, School of Medicine, University of Cologne, Germany
1992-1994	Research Assistant, Department of Biochemistry, School of Medicine, University of Cologne, Germany
1990-1993	Graduate student, University of Cologne, Germany, Dr. Wilhelm Stoffel, Advisor, final degree Dr. rer. nat. (Ph.D.)
1994-1999	Postdoctoral Researcher at the Department of Anatomy, School of Medicine, University of California at San Francisco, Dr. Keith E. Mostov, Principal Investigator

AWARDS, FELLOWSHIPS, HONORS

Permanent Member for 6-year term, Kidney Molecular Biology and Genitourinary Organ Development Study Section, National Institutes of Health, 2013-19
Innovator Award, The Cleveland Clinic, 2006
Irvington Institute for Immunological Research, Postdoctoral Fellowship, 1996
Alexander von Humboldt-Foundation, Feodor Lynen Fellow, 1994-1996
Summa cum laude for Doctoral Degree, 1993
Fritz ter Meer Foundation, Undergraduate Scholarship, 1988

MEMBERSHIP IN PROFESSIONAL SOCIETIES

Alexander von Humboldt Association of America
American Heart Association
American Physiological Society
American Society for Cell Biology
American Society of Nephrology
American Society for Biochemistry and Molecular Biology
National Kidney Foundation

BOARDS

Advisory Board, European Keto Live Centre - Information and Training Centre for Ketogenic Metabolic Therapies, 2022-present
Advisory Board, RenAlign (a 503c non-profit organization focused on providing comprehensive renal nutrition to address the global epidemic of kidney disease), 2021-present
Scientific Advisory Board, Chinook Therapeutics Inc, 2019-present
Member, Editorial Board, *Scientifica*, 2012-2021
Member, Editorial Board, *American Journal of Physiology - Renal Physiology*, 2007-2009

GRANT SUPPORT

Current:

Title: Ketosis as a therapy for polycystic kidney disease
Principal Investigator: Thomas Weimbs
Funding agency and type: Department of Defense, Peer Reviewed Medical Research Program Investigator-Initiated Research Award (W81XWH2010827)
Award Period: 09/01/2020 – 08/31/2022
Direct Costs/Year: ~\$135,000

Title: Ketosis as a therapy for polycystic kidney disease
Principal Investigator: Thomas Weimbs
Funding agency and type: NIH (R01-DK124895)
Award Period: 04/01/2020 – 01/31/2025
Direct Costs/Year: \$253,052 - \$327,097

Title: The Jarrett Postdoctoral Fellowship for dietary interventions as a novel therapy for Polycystic Kidney Disease
Principal Investigator: Thomas Weimbs
Funding agency and type: Jarrett Family Fund, Cleveland Foundation, Gift
Award Period: 02/1/19-1/31/21
Total Costs/Year: \$60,000

Title: Role of renal crystal deposition in the progression of polycystic kidney disease
Principal Investigator: Thomas Weimbs
Funding agency and type: NIH (R01-DK109563)

Award Period: 01/16/2017 – 12/31/2022 (NCE)
Direct Costs/Year: \$225,000

Title: Polycystic Kidney Disease
Principal Investigator: Thomas Weimbs
Funding agency and type: Amy P. Goldman Foundation, Gift
Award Period: 08/01/17-7/31/23
Total Costs/Year: \$200,000

Title: KETO-ADPKD - A pilot trial of ketogenic dietary interventions in ADPKD
Principal Investigator: Roman-Ulrich Müller, University Hospital Cologne, Germany (T. Weimbs, co-PI)
Funding agency and type: PKD Foundation, Grant
Award Period: 7/1/2020 to 6/30/2022
Total Costs: \$80,000/Year

Past:

Title: Use of dimeric IgA formatted monoclonal antibodies as therapeutics for polycystic kidney disease
Principal Investigator: Thomas Weimbs
Funding agency and type: Chinook Therapeutics, Sponsored Research Agreement
Award Period: 02/14/2020 - 10/1/2021
Total Costs: \$388,746

Title: Preclinical investigation of MNK 1 and 2 inhibitors as a potential therapeutic in polycystic kidney disease
Principal Investigator: Thomas Weimbs
Funding agency and type: Effector Therapeutics, Inc, Sponsored Research Agreement
Award Period: 07/01/2018 - 06/30/2019
Total Costs: \$11,359

Title: Polycystic Kidney Disease
Principal Investigator: Thomas Weimbs
Funding agency and type: Lillian Goldman Charitable Trust, Gift
Award Period: 08/01/14-7/31/17
Total Costs: \$600,000

Title: Development of a tissue-targeted therapeutic antibody for treatment of polycystic kidney disease
Principal Investigator: Thomas Weimbs
Funding agency and type: Faculty Research Grant, UCSB Academic Senate
Award Period: 07/01/16-6/31/17
Total Costs: \$15,000

Title: Cancer Therapy Using Bacteria
Principal Investigator: Thomas Weimbs
Funding agency and type: Faculty Research Grant, UCSB Academic Senate
Award Period: 06/01/14-8/31/16
Total Costs: \$9,790

Title: Pre-clinical efficacy of Folate-Conjugated mTOR Inhibitors and related compounds in Polycystic Kidney Disease
Principal Investigator: Thomas Weimbs
Funding agency and type: Endocyte Inc., Sponsored Research Agreement

Award Period: 05/01/2013 – 3/31/2015
Total Costs: \$191,563

Title: A Novel Role of Syntaxin 3 as a Transcription Regulator
Principal Investigator: Thomas Weimbs
Funding agency and type: NIH (1R21DK095248-01A1)
Award Period: 09/21/2012 – 07/31/2015
Total Costs: \$410,827

Title: Targeting the STAT6 Pathway for Treatment of Autosomal Dominant Polycystic Kidney Disease
Principal Investigator: Thomas Weimbs
Funding agency and type: Genentech, Sponsored Research Agreement
Award Period: 11/13/2013 to 11/12/2014
Total costs: \$28,028

Title: A Novel Role of Syntaxin 3 as a Transcription Regulator Implicated in Epithelial Morphogenesis and Carcinogenesis
Principal Investigator: Thomas Weimbs
Funding agency and type: California Cancer Research Coordinating Committee, Cancer Research Award
Award Period: 07/01/12-06/30/14 (NCE)
Total Costs: \$55,000

Title: An unexpected mechanism underlying genomic stability defects in polycystic kidney disease
Principal Investigator: Thomas Weimbs
Funding agency and type: Santa Barbara Cottage Hospital – UCSB, Special Research Award for Biomedical Science
Award Period: 11/01/12-10/31/13
Total Costs: \$25,000

Title: Regulation of the mTOR pathway in polycystic kidney disease
Principal Investigator: Thomas Weimbs
Funding agency and type: NIH (R01 DK078043)
Award Period: 7/15/2007 to 6/30/2013
Total costs (all years): \$1,300,000

Title: Histological, Immunocytochemical, and Genomic Evaluation of the nm3342 Mouse as a Potential Model for Serous Retinal Detachment
Principal Investigator: Steven Fisher (Thomas Weimbs, Co-Investigator)
Funding agency and type: Santa Barbara Cottage Hospital, Research Grant
Award Period: 7/1/12-6/30/13
Total Costs: \$15,000

Title: STAT Regulation by Polycystin-1 (previous title: Epithelial Cell Polarity in Polycystic Kidney Disease)
Principal Investigator: Thomas Weimbs
Funding agency and type: NIH (R01 DK62338)
Award Period: 7-1-2002 to 3-31-2012
Total costs: \$321,937/year

Title: Investigation of the regulation of the mTOR pathway in polycystic kidney disease
Principal Investigator: Thomas Weimbs

Funding agency and type: Department of Defense (Peer Reviewed Medical Research Program, PRMRP, W81XWH-07-1-0509)
Award Period: 7/1/2007 to 7/31/2011
Total costs (all years): \$884,647

Title: Administrative Supplement (ARRA) to "STAT Regulation by Polycystin-1"
Principal Investigator: Thomas Weimbs
Funding agency and type: NIH/NIDDK (3 R01 DK062338-08S1)
Award Period: 12/18/2009 - 11/30/2010
Total costs: \$106,927

Title: Syntaxin function in cell polarization
Principal Investigator: Thomas Weimbs
Funding agency and type: NIH (R01 GM66785)
Award Period: 2/1/2003 to 1/31/09
Total costs (all years): \$1,326,100

Title: Two-Photon Microscopy for Biomedical Research
Role on project: Major User
Principal Investigator: Benjamin Reese
Funding agency and type: NIH Shared Instrumentation Grant (S10RR022585)
Award Period: 4/1/07 to 3/31/08
Total costs: \$500,000

Title: Pilot Project on the suitability of urinary matrix metalloproteinase activity for the detection of renal cell carcinoma
Principal Investigator: Thomas Weimbs
Funding agency and type: NIH (R21 CA100078)
Award Period: 6/1/04 to 5/31/06 (one-year no cost extension until 5/31/07)
Total costs: \$268,200

Title: Polycystic kidney disease
Principal Investigator: Thomas Weimbs
Funding agency and type: Private funding, Jerry and Martha Jarrett Grant for Research on Polycystic Kidney Disease
Award Period: 4-2000 to 6-2005
Costs: \$25,000/year

Title: Development of a molecular screening assay for the early detection of renal cell carcinoma
Principal Investigator: Thomas Weimbs
Funding agency and type: Elsa U. Pardee Foundation
Award Period: 5-2003 to 5-2004
Total costs: \$102,250

Title: Investigation of SNARE-mediated Membrane Trafficking in Prostate Cancer Cells
Principal Investigator: Xin Li
Mentor: Thomas Weimbs
Funding agency and type: Department of Defense Prostate Cancer Research Program, Research Grant Grant Number DAMD17-02-1-0039
Award Period: 2/1/2002 – 10/1/2003
Total costs: \$97,989

Title: The role of Syntaxins 3 and 4 in the Determination of Cell Polarity

Principal Investigator: Thomas Weimbs

Funding agency and type: American Heart Association – Ohio Valley Affiliate, Beginning Grant-in-Aid

Award Period: 07/01/2002 - 06-30-2004 (declined effective 01-31-2003 due to overlap with 1R01 GM66785-01)

Total costs: \$88,000

CONFERENCE TALKS

- 7/2022 FASEB Science Research Conference, The Polycystic Kidney Disease Conference: Hurdles and Advances in Molecular Mechanisms and Therapies, Lisbon, Portugal
- 12/2021 IMIN Instituto Mexicano de Investigaciones Nefrológicas, LXVIII CONGRESO INTERNACIONAL DE NEFROLOGÍA (hybrid conference, virtual participation)
- 11/2021 American Society of Nephrology, Annual Conference (Kidney Week), Session title: "Role of the Cyst Microenvironment in the Origins and Progression of ADPKD", (virtual)
- 9/2021 PKD Summit 2021, "Nutritional Management of ADPKD", PKD Foundation of Canada, (virtual)
- 6/2021 PKD Connect Conference 2021 (PKDCON), Speaker "Latest Research on Nutrition, Metabolism and Diet in ADPKD, PKD Foundation, (virtual)
- 5/2021 European Renal Association – European Dialysis and Transplant Association (ERA-EDTA) congress, Speaker, Symposium "New Nutritional Targets in CKD", Berlin, Germany (virtual)
- 5/2021 European Renal Association – European Dialysis and Transplant Association (ERA-EDTA) congress, Speaker, Industry-Sponsored Symposium "Advances in Autosomal Dominant Polycystic Kidney Disease: Improving Patient Care to Slow Disease Progression", Berlin, Germany (virtual)
- 4/2021 National Kidney Foundation, Spring Clinical Meetings SCM21, "New Insights for Nutritional Interventions for Polycystic Kidney Disease", virtual conference
- 3/2021 Panelist, FASEB Catalyst Conference "In vivo Models of Relevance to PKD Research", virtual conference
- 12/2020 5th Annual Southern California Kidney Symposium, University of Southern California
- 6/2020 2020 FASEB Science Research Conference, "Polycystic Kidney Disease: Hurdles and advances in Molecular mechanisms"; Lisbon, Portugal
(cancelled due to COVID)
- 6/2020 PKD Connect Conference (PKDCON), PKD Foundation; San Diego, CA
(cancelled due to COVID)
- 4/2020 "State-of-the-Art lecture"; Retreat, Mayo Translational Polycystic Kidney Disease Center (MTPC), Mayo Clinic, Rochester, MN
(cancelled due to COVID)
- 11/2019 Annual Meeting, American Society of Nephrology, Washington, DC, Symposium "Cellular Metabolism in Kidney and Urologic Diseases"
- 6/2018 PKD Connect Research Conference, Grantham Symposium, Kansas City, MO
- 4/2018 Experimental Biology Meeting, Symposium "Structure and Function of Renal Epithelial Cilia", San Diego, CA
- 3/2018 Western Epithelial Biology Society Meeting, Avila Beach, CA
- 3/2017 Western Epithelial Biology Society Meeting, Avila Beach, CA
- 12/2016 Southern California Kidney Symposium, University of Southern California, CA
- 11/2016 Annual Meeting, American Society of Nephrology, Chicago, IL, Symposium "Interventions in Ciliopathies: The Long and Short of It"

- 3/2016 Renal Symposium, University of Alabama, Birmingham
- 5/2015 8th Annual Symposium on Polycystic Kidney Disease, Harvard Medical School
- 8/2014 FASEB Summer Research Conference, "Polycystic Kidney Disease: from Molecular Mechanisms to Therapy", Lucca, Italy
- 6/2013 2013 International Tuberous Sclerosis Research Conference, Washington, D.C.; Special NIDDK Session: "TSC, mTOR and the Kidney: New Perspectives"
- 11/2010 Annual Meeting, American Society of Nephrology, Denver, CO, Symposium "Is polycystic Kidney Disease a case of futile repair?"
- 9/2008 Kongress für Nephrologie 2008, Annual Conference of the German Society for Nephrology, Tübingen, Germany
- 4/2008 International Society for Nephrology (ISN) Forefronts Symposium on Polycystic Kidney Disease, Montreal, Canada
- 11/2007 American Society of Nephrology, Annual Conference, Symposium "The Role of mTOR in Kidney Growth and Disease", San Francisco, CA
- 9/2007 Tuberous Sclerosis Alliance Conference: Tuberous Sclerosis Complex: From Genes to New Therapeutics, Annapolis, MD
- 8/2007 ARVO Summer Eye Research Conference (SERC) on New Frontiers in Retinal Diseases, Monterey, CA
- 7/2007 International Scientific Symposium for the 50th Birthday of Prof. Ruedi Wüthrich, University Hospital Zurich, Switzerland
- 2/2007 National Institute of Diabetes, Digestive, and Kidney Diseases Conference: "Kidney Development and Repair Conference", Alexandria, VA
- 11/2006 American Society of Nephrology, Annual Conference, Symposium "Genetic Pathways in Cystic Kidney Disease Pathogenesis", San Diego, CA
- 3/2006 Tuberous Sclerosis Complex / Polycystic Kidney Disease Workshop: Polycystic Kidney Disease and Tuberous Sclerosis Complex: Building Bridges to the Future, Chicago, IL
- 12/2005 45th Annual Meeting, The American Society for Cell Biology, Minisymposium "Epithelial Morphogenesis & Polarity", San Francisco, CA
- 8/2005 FASEB Summer Research Conference, "New Insights in Polycystic Kidney Diseases: Molecular Pathways, Pathogenic Mechanisms, and Translational Applications", Vermont Academy, Saxtons River, VT
- 2/2005 Gordon Research Conference, "Salivary Glands and Exocrine Secretion", Ventura, CA
- 4/2004 Kent State University, 2004 Biomedical Science Research Conference, Kent, OH
- 8/2002 Summer Research Conference on "New Directions in Renal Cell Carcinoma" of the American Urological Association and the Society for Basic Urologic Research, Houston, TX
- 7/1996 24th Meeting of the Federation of European Biochemical Societies (FEBS), Barcelona, Spain

SEMINARS AT UNIVERSITIES, RESEARCH INSTITUTES AND INDUSTRY

- 3/2022 University of Southern California, Keck School of Medicine, Nephrology Grand Rounds
- 10/2019 Chinook Therapeutics, Vancouver, Canada
- 3/2019 Biochemistry and Molecular Biology Seminar, Augusta University, School of Medicine, Augusta, GA
- 6/2017 Seminar of the Sonderforschungsbereich TRR 57, University of Bonn, and RWTH Aachen University, Germany

6/2017 Seminar of the Sonderforschungsbereich SFB 1140, The Collaborative Research Centre (SFB) KIDGEM 1140, University of Freiburg, Germany

8/2016 Center for Molecular Medicine of the University of Cologne (CMMC) and Cologne Cluster of Excellence in Cellular Stress Responses in Aging- associated Diseases (CECAD), University of Cologne, Germany

4/2016 Augusta University, Dept. of Cellular Biology & Anatomy, Augusta, GA

10/2015 Amgen, Thousand Oaks, CA

4/2015 Renal Grand Rounds, Division of Nephrology-Hypertension, University of California San Diego, CA

4/2014 University of Alabama at Birmingham, Hepato/Renal Fibrocystic Diseases Core Center

5/2012 Genentech, Inc, South San Francisco

4/2010 Renal Grand Rounds, University of California, San Francisco, Department of Medicine, Division of Nephrology, San Francisco, CA

12/2009 Center for Molecular Medicine of the University of Cologne (CMMC), Cologne, Germany

4/2009 USC Kidney Research Group, University of Southern California, Keck School of Medicine, Los Angeles, CA

4/2008 Sullivan Conference, The Kidney Institute, University of Kansas Medical Center, Kansas City, KS

9/2007 Yale University, Department of Genetics, New Haven, CT

5/2007 Case Western Reserve University, Graduate Program in Cell Biology, Cleveland, OH

2/2007 New York Society of Nephrology, New York

10/2005 Department of Medicine, University Hospital Freiburg, Germany

5/2005 Case Western Reserve University, Department of Pathology, Cleveland, OH

3/2005 Case Western Reserve University, Basic Renal Research Seminar Series, Cleveland, OH

8/2004 Virginia Commonwealth University, Department of Biochemistry, Richmond, VA

7/2004 University of California Santa Barbara, Department of Molecular, Cellular and Developmental Biology, Santa Barbara, CA

4/2004 University of Texas Health Science Center, Department of Biochemistry, San Antonio, TX

4/2004 University of Michigan, Department of Cell and Developmental Biology, Ann Arbor, MI

4/2004 University of Florida, Department of Anatomy and Cell Biology, Gainesville, FL

12/2003 University of Michigan, Division of Nephrology, Ann Arbor, MI

12/2003 Case Comprehensive Cancer Center, Retreat, Cleveland, OH

9/2003 Northwestern University, Division of Nephrology, Chicago, IL

3/2003 Eisai Research Institute, Andover, MA

2/2003 Metro Health Medical Center, Rammelkamp Research Center, Cleveland

9/2002 Case Western Reserve University, Department of Physiology and Biophysics

3/2002 Northeastern Ohio Universities College of Medicine (NEOUCOM), Dept. of Physiology

2/2002 Institute for Molecular and Cell Biology (IMCB), Singapore

11/2001 Case Western Reserve University, Graduate Program in Cell Biology

11/2001 Department of Nephrology, Cleveland Clinic

3/2001 Cleveland State University, Department of Biological, Geological, and Environmental Sciences

2/2000 Case Western Reserve University, Institute of Pathology

9/1999 Annual Retreat of Lerner Research Institute, Cleveland Clinic

1999 Baylor College of Medicine, Dept. of Medicine
 1999 University of Illinois at Urbana-Champaign, Dept. of Cell and Developmental Biology
 1998 Ben May Institute, University of Chicago
 1998 Northwestern University, Dept. of Biochemistry, Molecular Biology and Cell Biology
 1998 State University of New York at Stony Brook, Dept. of Biochemistry and Cell Biology
 1998 Tufts University, Dept. of Biochemistry
 1998 Mount Sinai School of Medicine, Dept. of Medicine
 1998 University of Pittsburgh, Dept. of Cell Biology and Physiology
 1997 “New York Membrane Club” of Cornell/Rockefeller Universities and Sloan-Kettering Institute
 1996 University of California Berkeley, Dept. of Molecular and Cell Biology
 1996 ISREC, Lausanne, Switzerland
 1996 University of Mainz, Department of Biochemistry, Germany
 1996 University of Frankfurt, Biozentrum, Germany
 1996 EMBL, Department of Cell Biology , Heidelberg, Germany

OTHER TALKS

6/2021 PKD Educational Series “Healthy Diet, Intermittent Fasting and PKD”, PKD Foundation of Canada, (virtual) <https://youtu.be/cjBPnIXK60U>
 1/2020 Research Webinar for PKD patients, UK-PKD Charity, “Ketosis and Crystals: Could diet be the key to treating polycystic kidney disease?” <https://youtu.be/qfbcdv-ksxw>
 12/2019 Research Webinar for PKD patients, PKD Foundation, “Ketosis and Crystals: Could diet be the key to treating polycystic kidney disease?” <https://youtu.be/JtEr-52jEsU>
 6/2019 Research Seminar for PKD patients, PKD Foundation, Los Angeles Chapter, “Dietary Interventions in Polycystic Kidney Disease: Taking Advantage of Metabolic Defects for Therapy”
 7/2018 Research Seminar for PKD patients, PKD Foundation, Los Angeles Chapter, “Dietary Interventions in Polycystic Kidney Disease: Taking Advantage of Metabolic Defects for Therapy”
 9/2017 Research Seminar for PKD patients, PKD Foundation, Los Angeles Chapter, “New Strategies for the Treatment of Polycystic Kidney Disease”
 4/2016 Research Seminar for PKD patients, PKD Foundation, Los Angeles Chapter, “New Strategies for the Treatment of Polycystic Kidney Disease”
 11/2010 Educational Seminar, UCSB Society of Undergraduate Biologists, “Developing a Successful Research Training Plan”
 10/2004 Career Development Seminar, The Cleveland Clinic, Lerner Research Institute, “Developing a Successful Research Training Plan”

AD HOC MANUSCRIPT REVIEWS

Advances in Nutrition ● American Journal of Pathology ● American Journal of Physiology ● Biochemical Journal ● Biochemistry ● Biochimie ● Cellular and Molecular Life Sciences ● Current Biology ● Developmental Biology ● Developmental Cell ● EMBO Journal ● EMBO Reports ● Genome Biology ● Experimental Cell Research ● Human Molecular Genetics ● Journal of the American Society of Nephrology ● Journal of Biological Chemistry ● Journal of Cell Biology ● Journal of Cell Science ● Journal of Clinical Investigation ● Journal of Controlled Release ● Journal of Experimental Medicine ● Journal of Molecular Biology ● Journal of Molecular Histology ● Journal of Molecular Medicine ● Journal of Nephrology ● Journal of Neurochemistry ● Kidney and Dialysis ● Molecular and Cellular Biology ● Molecular Biology of the Cell ● Molecular Carcinogenesis ● Nature Communications ● Nature Genetics ● Nature Medicine ● Pflügers Archiv - European Journal of Physiology ● PNAS ● Science Translational Medicine ● Traffic ● Trends in Molecular Medicine

GRANT REVIEWS

Study Sections

- 2013-19 Permanent Member, Kidney Molecular Biology and Genitourinary Organ Development Study Section, NIH
- 2012 Member, Grant Review Panel, Digestive, Kidney and Urological Systems, DKUS-(A) 11 Small Business and Member Conflicts: Kidney Disease, NIH
- 2012 Ad Hoc Member, "Kidney Molecular Biology and Genitourinary Organ Development" Study Section, National Institutes of Health
- 2012 Member, Special Emphasis Panel, Kidney Pathobiology and Molecular Biology and Genitourinary Organ Development, NIH
- 2008 Member, Special Emphasis Panel, Pathobiology of Kidney Disease (PBKD) Study Section, NIH
- 2007 Member, Special Emphasis Panel, Pathobiology of Kidney Disease (PBKD) Study Section, NIH
- 2006 Member, Review Panel, Program Project Grant, National Institute of Diabetes and Digestive and Kidney Diseases, NIH
- 2005 Member, Ad Hoc Special Emphasis Grant Review Panel, National Institute of Diabetes and Digestive and Kidney Diseases, NIH
- 2005 Ad Hoc Member, "Cellular and Molecular Biology of the Kidney" Study Section, National Institutes of Health
- 2004 Peer Review Committee 4B, American Heart Association, Southern and Ohio Valley Affiliates

Ad Hoc, external

- 2021 Grant reviewer, NIDDK-supported Polycystic Kidney Disease Research Resource Consortium (PKD-RRC), Pilot and Feasibility Grants
- 2020 External Reviewer, FIN-RER- Health Research Programme of the Emilia-Romagna Region-University, Italy
- 2020 Deutsche Forschungsgemeinschaft (DFG), Research Grants Programme - Individual Proposal, Germany
- 2020 External Grant Reviewer, Medical Research Council (United Kingdom)
- 2018 External Reviewer, Pilot grant proposal for University of Kansas, Kidney Institute's NIH-P30 grant pilot and feasibility core
- 2010 External Reviewer, Telethon Fondazione ONLUS, Italy
- 2006 The Royal Society of New Zealand, Marsden Fund
- 2006 National University of Singapore Academic Research Fund
- 2005 NIH, Intramural Research Award
- 2005 National Science Foundation, Cellular Organization Program
- 2005 The Wellcome Trust, UK (Wellcome Senior Research Fellowships in Clinical Science and in Basic Biomedical Science)
- 2004 NIH, Pathobiochemistry Study Section, external reviewer
- 2003 NSERC (Natural Sciences and Engineering Research Council of Canada), Research Grant

TRAINEES/PERSONNEL SUPERVISED

Postdoctoral Fellows, Medical Fellows or higher rank

- 1999-2012 Seng Hui Low, PhD (Project Scientist, Adjunct Associate Professor)
Support: American Heart Association, Scientist Development Grant, 2002-2006
Present Position: Lecturer, Department of Molecular, Cellular, and Developmental Biology, UCSB
- 2000-2003 Xin Li, MD PhD (Postdoctoral Fellow)
Support: Department of Defense Prostate Cancer Research Program, Research Grant

Present position: Clinical Instructor, Pathology, Case Western Reserve University School of Medicine

2000-2001 Zhizhou Zhang, PhD (Postdoctoral Fellow)
Present position: Professor, Harbin Institute of Technology, China

2001-2002 Mahmoud Sherief, MD (Research Fellow)
Support: Fellowship in Urological Research, Egyptian Government
Present position: Professor, Department of Urology, Suez Canal University Hospital, Ismailia, Egypt

2002-2004 Jayasri Nanduri, PhD (Project Scientist, equivalent to Research Assistant Professor)
Present position: Associate Professor, Department of Medicine, University of Chicago

2003-2012 Jonathan Shillingford, PhD (Project Scientist)
Support: American Heart Association, Scientist Development Grant, 2006-2010
Present position: Research Assistant Professor, Department of Internal Medicine, University of Michigan

2004-2005 Constance Marks, MD (Urology Resident, The Cleveland Clinic)
Present Position: Urologist, Advanced Urology Associates, Joliet, IL

2004-2005 Ryan Hedgepeth, MD (Urology Resident, The Cleveland Clinic)
Present Position: Chief of Urological Services, OhioHealth Physician Group, Columbus, Ohio

2004-2006 Pallavi Bhattaram, PhD (Postdoctoral Fellow)
Present position: Assistant Professor, Emory University School of Medicine

2004-2007 Sambuddho Mukherjee, PhD (Postdoctoral Fellow)
Support: Postdoctoral Fellowship, Polycystic Kidney Foundation (declined due to intellectual property rules unacceptable to the University of California)
Present position: Associate Director; Department of Disease Sciences and Technologies, Biocon Bristol-Myers Squibb Research and Development Center

2006-2010 Elena Reales, PhD (Postdoctoral Fellow)
Support: Postdoctoral Fellowship, Spanish Ministry of Education and Science
Present Position: Principal Investigator, INIBICA (Instituto de investigación e innovación biomédica de Cádiz), Cádiz, Spain

2007-2012 Christine Winterstein, PhD (Postdoctoral Fellow)
Support: Postdoctoral Fellowship, Cancer Center of Santa Barbara, 2007-2009
Present Position: Head of Medical Affairs, Merck Group, Oslo, Norway

2007-2009 Rashid Syed, PhD, Visiting Project Scientist
Present position: Faculty, Department of Chemistry and Biochemistry, California State University Northridge

2009-2012 Beatrix Wulkersdorfer, MD (Postdoctoral Fellow)
Present position: Medical Resident for Internal Medicine at the Department for Clinical Pharmacology, Medical University Vienna, Austria

2013-present Robert Geller, PhD, Lecturer, Department of Physics, UCSB

2014-2015 Nicholas Doerr, PhD (Postdoctoral Fellow)
Present position: Director of Research, Bioniz Therapeutics, Inc., Irvine, CA

2014-2017 Adrian Giovannone, PhD (Postdoctoral Fellow)
Present Position: Senior Scientist, Bioniz Therapeutics, Irvine, CA

2014-2018 Mina Rezaei, PhD (Postdoctoral Fellow)
Support: Early Mobility Postdoctoral Fellowship, Swiss National Science Foundation; Advanced Mobility Postdoctoral Fellowship, Swiss National Science Foundation
Present Position: Scientific Researcher, University of Bern, Switzerland

2015-2016 Guangyi Liu, MD (Postdoctoral Fellow)
Support: Postdoctoral Exchange Fellowship, Chinese government
Present position: Assistant Professor, Department of Nephrology, Qilu Hospital, Shandong University, Jinan, China

2017-present Jacob Torres, PhD (Postdoctoral Fellow, since 2019 Project Scientist)

2018 Máté Kétszéri (Postdoctoral Fellow)

2019-2022 Sebastian Strubl, MD (Postdoctoral Fellow)

Graduate Students (thesis advisor)

- 2002-2007 Nikunj Sharma, MS (PhD Graduate Student, Cleveland State University)
Graduated as PhD (Regulatory Biology) in 3/2007
Support: Predoctoral Fellowship, American Heart Association, 2004-2006
Present position: Associate, US Food and Drug Administration, Bethesda, Maryland
- 2003-2007 Shivakumar Vasanth, MS (PhD Graduate Student, Kent State University)
Graduated as PhD (Biomolecular Sciences) in 2/2007
Third place winner of the "Pfizer Predoctoral Excellence in Renal Research" award
Present position: Senior Scientific Associate, The Schepens Eye Research Institute, Harvard Medical School Affiliate
- 2003-2005 Arunima Ghosh, MD (PhD Graduate Student, Cleveland State University)
(transferred to another advisor for completion of thesis upon my move to UCSB)
Support: Molecular Medicine Fellowship, Cleveland State University
Present position: Managing Director, Indivumed Inc VP, Clinical network, USA, Indivumed, Washington DC
- 2004-2005 Rupa Koneni, BS (PhD Graduate Student, Cleveland State University)
(transferred to another advisor for completion of thesis upon my move to UCSB)
- 2006-2013 Jeff Talbot, BS (PhD Graduate Student, MCDB Department, UCSB)
Graduated as PhD (Molecular, Cellular, and Developmental Biology) in 3/2013
Support: UCSB Graduate Council, Doctoral Student Travel Grant (2011); Doreen J. Putrah Cancer Research Foundation Conference Fellowship (2011)
Present Position: Senior Scientist at Regeneron Pharmaceuticals, Rensselaer, NY
- 2007-2014 Erin Olsan, BS (PhD Graduate Student, MCDB Department, UCSB)
Support: C.A. Storke Fellowship, 2007; Carbon-Clarke Fellowship, 2006; Shing and Sheng-Yung Chang Fellowship for Research in Biochemistry Molecular Biology; 2009; Doreen J. Putrah Cancer Research Foundation Conference Fellowship (2013)
Present Position: Assistant Professor, Department of Biological Sciences, California State University-Sacramento, CA
- 2007-2014 Nicholas Doerr, BS (PhD Graduate Student, MCDB Department, UCSB)
Support: Philip & Aida Siff Educational Foundation Graduate Fellowship (2009/10)
Present Position: Director of Research, Bioniz Therapeutics, Irvine, CA
- 2007-2010 Eiko Nishiuchi, BA (PhD Graduate Student, Biomolecular Science and Engineering Graduate Program, UCSB); left graduate program to pursue alternative career.
Present Position: Laboratory Administrator, Rockefeller University, New York
- 2008-2009 Elisabeth Hallin, MS (PhD Graduate Student, MCDB Department, UCSB); left program to pursue alternative career.
Present Position: Microbiologist, The Swedish Institute for Infectious Disease Control, Solna, Sweden
- 2008-2014 Adrian Giovannone, BS (PhD Graduate Student, MCDB Department, UCSB)
Support: Shipp Family Graduate Fellowship (2008); Doreen J. Putrah Cancer Research Foundation Conference Fellowship (2012)
Present Position: Senior Scientist, Bioniz Therapeutics, Irvine, CA
- 2011-2017 Jacob Torres, BS (PhD Graduate Student, MCDB Department, UCSB)
Support: FIRE-up summer research fellowship for underrepresented minorities, UCSB Graduate Division (2010); Graduate Opportunity Fellowship, UCSB (2012-13 and 2013-14)
Present Position: Project Scientist, Weimbs Lab, UCSB
- 2011-2016 Kevin Kipp, BS (PhD Graduate Student, MCDB Department, UCSB)
Present Position: Senior Scientist, Bioniz Therapeutics, Irvine, CA
- 2015-2016 Neda Marhamati (Master's Student, Biotechnology, CSU Channel Islands)
Support: California Institute for Regenerative Medicine, Bridges to Stem Cell Research Grant
Present Position: Research Scientist, Celavie Biosciences, Oxnard, California
- 2015-19 Bryan Bourgeois, BS, JD (Master's Student, MCDB Department, UCSB)

2015-2017 Jonathan West, BS (Master's Student, MCDB Department, UCSB)
Present Position: Medical Student at Keck School of Medicine of the University of Southern California

2016-2018 Samantha Kruger, BS (Master's Student, MCDB Department, UCSB)
Present Position: Medical Student, Drexel University

2017-20 Masaw Akbari, BS (Master's Student, MCDB Department, UCSB)
Present Position: Microbiologist at Affinity Biosensors, Santa Barbara, California

2017-19 Allison (Szu Yu) Liu, BS (Master's Student, MCDB Department, UCSB)
Present Position: Dental Student at University of California, San Francisco

2017-present Hannah Pellegrini, BS (PhD Student, MCDB Department, UCSB)

2017-present Margaret Schimmel, BS (PhD Student, MCDB Department, UCSB)

2018 Thomas Samitsch, BS (Master's Student, Management Center Innsbruck, MCI)
Present Position: Research & Development Associate, Bio SB, Inc., Santa Barbara, CA

2018-present Elizabeth Sharpe, BS (PhD Student, MCDB Department, UCSB)

2018-2020 Ali Spindt, BS (Master's Student, MCDB Department, UCSB)
Present Position: Associate Consultant at MotionHall, Menlo Park, CA

2018-2020 Shagun Agrawal, BS (Master's Student, MCDB Department, UCSB)

2020-present Nick Holznecht (PhD Student, MCDB Department, UCSB)

2020-present Madison Waterlander (Master's Student, California State University Channel Islands)

Technicians

1999-2001 Masumi Miura (Laboratory Assistant)

2000-2002 Noriko Kudo (Laboratory Assistant)

2002-2004 Junko Iwasaki (Laboratory Assistant)

2002-2005 Claire Larson, BS (Technician)

2003-2004 Min He, BS (Laboratory Assistant)

2003-2004 Bonnie Gorzelle, MS (Senior Technologist)

2004 Terri McKay, BS (Technician)

2004-2005 Tammera Davis (Laboratory Assistant)

2004-2005 Michelle Koo, BS (Technician)

2005-2006 Josie Widjaja, BS (Technician)

2006-2007 Gabriela Kasimatis, BS (Technician)

2007-2010 George Todorov, BS (Technician)

2009-2011 Kevin Kipp, BS (Technician and Lab Manager)

2010-2011 Justine Caitlin Kogler, BS (Technician)

2015-2016 Louis Lin, BS (Laboratory Assistant)
Present Position: Graduate Student, The University of British Columbia, Pharmaceutical Sciences

2019-20 Bryan Bourgeois, MS, Staff Research Associate II

2020-present Bradley Kroes, Staff Research Associate I

2020-2021 Tiffany Chin, Staff Research Associate I

2020-2022 David Asplund, Staff Research Associate I

2021 Shahira Ellaboudy, Laboratory Assistant

2022-present Stella Koestner, Staff Research Associate I

Undergraduate Students (conducting research projects in the lab)

- 2000-2001 Elizabeth Vukin (Loh) (John Carroll University)
Support: American Heart Association, Undergraduate Summer Research Fellowship
Present position: MD from University of Utah School of Medicine; currently Assistant Professor, Pediatrics, University of Utah School of Medicine
- 2001-2002 Robin Laskey (University of Dayton)
Support: American Heart Association, Undergraduate Summer Research Fellowship
Present position: MD from Medical College of Virginia, Virginia Commonwealth University; currently Gynecologic Oncology Specialist, Cleveland Clinic Akron General, Akron, OH
2002. Matthew Schefft (Kenyon College)
Present position: MD from Ohio University; currently Assistant Professor of Pediatrics, Children's Hospital of Richmond at Virginia Commonwealth University
- 2004 Jessica Pritt (Zimmerer) (John Carroll University)
Present position: PharmD from Ohio State University; currently Pharmacist at Mount Carmel Health System, Columbus, Ohio
- 2004 Frances Stedham (University of Cambridge, UK)
- 2004-2006 Johan Waern (Medical College of Hannover, Germany)
Undergraduate research and MS thesis research
Present position: MD/PhD from Medical College of Hannover, Germany; currently Internal Medicine Specialist at Sahlgrenska University Hospital and CEO of HepGene Medical AB, Gothenburg, Sweden.
- 2006-2009 Alyssa Capuano (MCDB, UCSB)
Support: Undergraduate Research and Creative Activities grant award (UCSB, Summer 2007) and Stipanich Undergraduate Research Award (Summer 2008)
Present position: Doctor of Veterinary Medicine from UC Davis School of Veterinary Medicine; currently Veterinarian at National Marine Life Center, Buzzards Bay, MA
- 2006-2008 Wendy Wenderski (Kerwin) (MCDB, UCSB)
Present position: Graduate student, Biosciences, Stanford University
- 2007 Gueorgui Todorov (MCDB, UCSB)
Present position: Master of Science from UC-Irvine; currently Principal Investigator at Adverum Biotechnologies, Inc., Menlo Park, CA
- 2008-2009 Juliana Metichecchia (MCDB, UCSB)
Present position: Associate Researcher, The University of Kansas
- 2008-2009 Elizabeth Usedom (MCDB, UCSB)
Present position: MD from Drexel University; currently Resident Physician, Hahnemann University Hospital
- 2008-2010 Shaun Goldstone (MCDB, UCSB)
Present position: Director, Strategic Partnerships at American Jewish Joint Distribution Committee (JDC), New York
- 2008-2009 Linden Doss (College of Creative Studies, Honors Biology, UCSB)
Present position: MD from Loma Linda University; currently Resident Physician at Loma Linda University Health
- 2008-2009 Sammantha Tai (MCDB, UCSB)
Present position: Science Teacher at Downtown College Prep, San Jose, CA
- 2009-2014 Yidi Wang (College of Creative Studies, UCSB)
Support: NIH-NIDDK, "Recovery Act Funds for Administrative Supplements Providing Summer Research Experiences for Students and Science Educators" (Summer 2009)
American Heart Association, Undergraduate Student Research Fellowship, (Summer 2011)
Present Position: MD/PhD Student, Harvard Medical School
- 2009-2011 Miguel Arribas (MCDB, UCSB)
Present position: MD from University of Michigan, Ann Arbor; currently Emergency Physician, Cottage Hospital, Santa Barbara, CA

- 2009-2011 Matthew Bliss (MCDB, UCSB)
Present position: M.S. from University of California, Irvine; currently Scientific Associate, Genomics Institute of the Novartis Research Foundation (GNF), San Diego, CA
- 2010 Elite Mekel (MCDB, UCSB)
Present position: Doctor of Dental Medicine (DMD) from University of Pennsylvania; currently pediatric dentistry practitioner in Encino, CA
- 2010-2011 Daniel Durando (MCDB, UCSB)
Present position: Doctor of Physical Therapy (DPT) from University of Alabama at Birmingham; currently Physical Therapist at Focus PhysiotherapyHuntsville, Alabama
- 2010-2011 Jeffrey Patten (MCDB, UCSB)
Present position: Doctor of Dental Surgery (DS) from University of the Pacific; currently at Patten Family Dentistry, Moscow, Idaho
- 2010-2011 Dawa Sherpa (MCDB, UCSB)
Present position: MD degree from UCSF; currently Resident, Highland Hospital, Oakland CA
- 2010-2011 Kevin R. Landefeld (MCDB, UCSB)
Support: Undergraduate Research and Creative Activities grant award (UCSB, Summer 2011)
Present position: MD from Tulane University School of Medicine; currently Resident at LSU Health New Orleans
- 2011-2013 David Wallace (MCDB, UCSB)
Support: EUREKA undergraduate research internship, Center for Science and Engineering Partnerships (CSEP) at the California Nanosystems Institute (CNSI), UCSB
Present position: MD from Keck School of Medicine, University of Southern California; currently Resident Physician at Keck Medicine of USC
- 2011 Jonathan Charlu (MCDB, UCSB)
Present position: Medical student, Saint Louis University School of Medicine
- 2011 Laura de Pedis (Andrews) (MCDB, UCSB)
Present position: M.Sc. from Georgetown University; currently Co-founder and CEO of Azurite Technologies, Inc, San Francisco
- 2011-2013 Alexis Gibson (MCDB, UCSB)
Support: 2012 Undergraduate Research and Creative Activities (URCA) Grant
- 2011 Susanne Kneringer (Management Center Innsbruck, University of Applied Sciences, Austria), Bachelor's Thesis Research
Support: Fellowship, The Austrian Marshall Plan Foundation
Present position: Graduate student, Management Center Innsbruck, University of Applied Sciences, Austria
- 2011-2012 Joseph Sandoval (College of Creative Studies, UCSB)
Present position: Associate Scientist, Cancer Immunotherapy, Fate Therapeutics Inc, San Diego, CA
- 2011-2013 Nina Heppner (College of Creative Studies, UCSB)
Support: 2012 Undergraduate Research and Creative Activities (URCA) Grant
Present position: Medical Student at Ludwig Maximilian University of Munich, Germany
- 2012-2013 Lydia Truong (MCDB, UCSB)
Support: 2012 Undergraduate Research and Creative Activities (URCA) Grant
Present Position: Medical student, Uniformed Services University of the Health Sciences
- 2012-2013 Andrea Feldman (MCDB, UCSB)
Support: 2012 Undergraduate Research and Creative Activities (URCA) Grant
- 2012 Darcey Elliott (MCDB, UCSB)
Present Position: Master's Degree, Physician Assistant from Baylor College of

- Medicine, Houston, TX; currently Emergency Medicine Physician Assistant at Barnes-Jewish Hospital, WUSM, Saint Louis, Missouri
- 2012-2013 Jeffrey Doelling (MCDB, UCSB)
Support: Faculty Research Assistance Program (FRAP) Award, Fall 2012 and Winter 2013
Present Position: Medical Student at California Northstate University College of Medicine
- 2012-2013 Patrick Fann (MCDB, UCSB)
Support: 2012 Undergraduate Research and Creative Activities (URCA) Grant; 2013 Crowe Family Summer Research Fellowship (UCSB)
Present Position: Medical student, Case Western Reserve University, Cleveland, OH
- 2012-2013 Linda Li (MCDB, UCSB)
Present Position: Graduate Student, Washington University, St. Louis
- 2012-2013 Mustafa Bahramand (MCDB, UCSB)
Present Position: Medical Student at California Northstate University College of Medicine
- 2012-2013 Alberto Carreno (MCDB, UCSB)
Present Position: PhD graduate student, Biological Sciences, University of California, San Diego
- 2012-2013 Diane Rusu (MCDB, UCSB)
Support: 2012 Undergraduate Research and Creative Activities (URCA) Grant
Present Position: Language Arts Teacher, Challenger School, Sunnyvale, CA
- 2012-2015 Elyse Verstelle (Dewey) (MCDB, UCSB)
Support: 2012, 2013 and 2014, Undergraduate Research and Creative Activities (URCA) Grant
Present Position: Lab Manager at University of Washington, Seattle, WA
- 2012-2015 Claudia Jette (MCDB, UCSB)
Support: 2013 Perlegos Summer Research Fellowship (UCSB); 2013 and 2014 Undergraduate Research and Creative Activities (URCA) Grant
Present position: PhD graduate student, Biochemistry and Molecular Biophysics, Caltech, Pasadena, CA
- 2012-2013 Nicole Wypychowski (MCDB, UCSB)
Support: 2012 Undergraduate Research and Creative Activities (URCA) Grant
Present Position: Technician, Roche Pharmaceuticals
- 2013-2015 Katie Lee (MCDB, UCSB)
Support: 2013 and 2014, Undergraduate Research and Creative Activities (URCA) Grant
Present Position: Medical Student at SUNY Downstate College of Medicine
- 2013-2016 Sirpi Nackeeran (CCS, UCSB)
Support: 2013 and 2014 Undergraduate Research and Creative Activities (URCA) Grant
Present Position: Medical student, University of Miami Miller School of Medicine
- 2013-2015 Maddison Kane (MCDB, UCSB)
Support: 2014 Undergraduate Research and Creative Activities (URCA) Grant
Present Position: Medical Student, Geisinger Commonwealth School of Medicine, PA
- 2013-2015 Diana Phan (MCDB, UCSB)
Support: Regents Scholarship, University of California
Present Position: Graduate Student, Johns Hopkins University/National Human Genome Research Institute
- 2013-2014 Tatevik Simavorian (MCDB, UCSB)
Present Position: Medical Student at Touro University California, Vallejo, CA
- 2013-2015 Solomiya Kryshafovich (MCDB, UCSB)
Support: 2014 Undergraduate Research and Creative Activities (URCA) Grant
Present Position: Medical Student, UC San Diego School of Medicine
- 2013-2015 Pasha Rahbari (MCDB, UCSB)

Support: 2014 Undergraduate Research and Creative Activities (URCA) Grant
Present Position: Medical Student, UCSF School of Medicine

2013-2015 Emma Wrenn (MCDB, UCSB)
Support: 2013 Undergraduate Research and Creative Activities (URCA) Grant
Present Position: PhD Graduate Student, University of Washington, Molecular and Cellular Biology Graduate Program

2014-2016 Mimi Xu (MCDB, UCSB)
Present position: Medical Student, University of Southern California

2013-2014 Adam Monahan (CCS, UCSB)
Present position: Software Engineer at Fujitsu General America, Inc. Martinez, CA

2014 Tracey Kirui (MCDB, UCSB)
Present position: Project Associate at John Snow, Inc., Boston, MA

2014-2016 Madelyn Mar (MCDB, UCSB)
Support: 2014 Undergraduate Research and Creative Activities (URCA) Grant
Present position: Territory Manager at CR Bard, Los Angeles, California

2014 Brian Su (Pre-college, UCSB Extension, ASAP Program)
Present position: Undergraduate Student Researcher at Stanford University

2014 Amir Soltani (MCDB, UCSB)

2014-2015 Mitchell Foster (MCDB, UCSB)
Present position: Researcher, Doyle Group, Neuroscience Research Institute, UCSB

2014-2016 Jesse Benza (MCDB, UCSB)
Support: 2014 and 2015 Undergraduate Research and Creative Activities (URCA) Grant
Present position: Graduate student, Johns Hopkins University

2014-2016 Tatiana Getman (MCDB, UCSB)
Present position: Medical Student, Western University of Health Sciences, Pomona, CA

2014-2016 Brandon Rose (MCDB, UCSB)
Support: UC LEADS scholar (2014-16); Jeremy D. Friedman Memorial Award (2016)
Present position: Medical Student, University of Miami Miller School of Medicine

2015-2017 Deborah Im (MCDB, UCSB)
Support: 2016 Undergraduate Research and Creative Activities (URCA) Grant
Present position: Medical Student, Keck School of Medicine, University of Southern California

2015-2017 Masaw Akbari (MCDB, UCSB)
Support: 2016 Undergraduate Research and Creative Activities (URCA) Grant
Present position: Microbiologist at Affinity Biosensors, Santa Barbara, California

2015-2016 Michael Maser (MCDB, UCSB)
Present position: PhD Graduate Student, Caltech, Pasadena, CA

2015-2017 Kian Rahbari (MCDB, UCSB)
Support: 2015 & 2016 Undergraduate Research and Creative Activities (URCA) Grant
Present position: Graduate Student, Northwestern University Feinberg School of Medicine, Chicago IL

2015 Eliana Jolkovsky (MCDB, UCSB)

2015-2016 Samantha Kruger (MCDB, UCSB)
Support: Undergraduate Research and Creative Activities (URCA) Research Grant (2015); Crowe Family Fellowship for summer research (2016)
Award: First Place in the category Science, Math & Engineering, 2016 Undergraduate Research Colloquium, UCSB
Present position: Medical Student, Drexel University, College of Medicine, PA

- 2015-2016 Ali Michelotti (MCDB, UCSB)
Support: 2015 Undergraduate Research and Creative Activities (URCA) Research Grant
Present position: Medical Student at UIWSOM, San Antonio, Texas
- 2016-2017 Meghana Vijayraghavan (MCDB, UCSB)
Support: 2016 Undergraduate Research and Creative Activities (URCA) Grant
Present position: Graduate Student, University of San Francisco
- 2016-2017 Caroline Broderick (MCDB, UCSB)
Support: 2016 Undergraduate Research and Creative Activities (URCA) Grant
Present position: Graduate Student, Weill Cornell Graduate School of Medical Sciences, New York, NY
- 2016-2019 Chinmay Vaidya (MCDB, UCSB)
Support: 2016, 2017 and 2018 Undergraduate Research and Creative Activities (URCA) Grant
Present position: Graduate Student, UCSB
- 2016-2017 Allison (Szu Yu) Liu (MCDB, UCSB)
Support: 2016 Undergraduate Research and Creative Activities (URCA) Grant
Present position: Dental Student at University of California, San Francisco
- 2016-2017 Kristina Vucci (MCDB, UCSB)
Support: 2016 Undergraduate Research and Creative Activities (URCA) Grant
Present position: Research Associate II at Integrity Bio, Camarillo, CA
- 2016-2017 Margaret Schimmel (MCDB, UCSB)
Support: 2016 Undergraduate Research and Creative Activities (URCA) Grant
Present position: Graduate student, UCSB (Weimbs Lab)
- 2016-2017 Blaire Consales (MCDB, UCSB)
Present position: Veterinary Assistant at Camino Animal Clinic, Thousand Oaks, CA
- 2016-2017 Jacob Andrew (MCDB, UCSB)
Present position: Medical Student at the University of Massachusetts Medical School, Worcester, MA
- 2016-2017 Daniel Inouye (MCDB, UCSB)
Support: 2016 Undergraduate Research and Creative Activities (URCA) Grant
- 2016-2018 Elizabeth Sharpe (MCDB, UCSB)
Support: 2017 Undergraduate Research and Creative Activities (URCA) Grant
Present position: Graduate student, UCSB (Weimbs Lab)
- 2016-2018 Alyssa Sahu (MCDB, UCSB)
Support: 2017 Undergraduate Research and Creative Activities (URCA) Grant
Present position: Patient Care Coordinator at Nova IVF, Cupertino, California
- 2016 Ammar Siddiqui (MCDB, UCSB)
Present position: Medical Student, Kansas City University, Kansas City, Missouri
- 2017-2018 Abby Camenisch (MCDB, UCSB)
Present position: Professional Research Assistant at University of Colorado Anschutz Medical Campus
- 2017-2018 Yuan Xie (MCDB, UCSB)
Support: 2017 Undergraduate Research and Creative Activities (URCA) Grant
Present position: Master's Student at Johns Hopkins University
- 2017-2018 Alexandra Sterritt (MCDB, UCSB)
Support: 2017 Undergraduate Research and Creative Activities (URCA) Grant
Present position: Medical Assistant at Sansum Clinic, Sansum Clinic, Santa Barbara, CA

- 2017 Hannah Pellegrini (University of Applied Sciences, Innsbruck, Austria)
Support: Marshall Plan Scholarship for Academic Exchange, Austrian Marshall Plan Foundation
Present position: Graduate student, UCSB (Weimbs Lab)
- 2017-2018 Joshua Burgos-Ponce (College of Creative Studies, UCSB)
Present position: Production Biochemist at ET Healthcare, Palo Alto, CA
- 2017 Madeline Matthys (Duke University)
Support: Undergraduate Summer Research Fellowship (UGSRF), American Physiological Society
Present position: Research Assistant, University of California, San Francisco
- 2017-2020 Tselmeg Amarlkhagva (MCDB, UCSB)
Support: 2018 Undergraduate Research and Creative Activities (URCA) Grant
Present position: Research Associate, Charles River Labs, San Francisco, CA
- 2017-2020 Savanna Biedermann (MCDB, UCSB)
Present position: Clinical Research Coordinator Associate at Stanford University School of Medicine, Palo Alto, CA
- 2017-2021 Shahira Ellaboudy (College of Creative Studies, UCSB)
Support: 2018 Undergraduate Research and Creative Activities (URCA) Grant
Present position: Laboratory Assistant, Weimbs Lab, UCSB
- 2018-2019 Sabrina Morales (MCDB, UCSB)
- 2018 Jason Sidrak (MCDB, UCSB)
- 2018 Harrison Feerst (MCDB, UCSB)
Support: 2018 Summer Undergraduate Research and Creative Activities (URCA) Grant
- 2018 Ali Spindt (MCDB, UCSB)
Present position: Associate Consultant at MotionHall, Menlo Park, CA
- 2018-2020 Sabrina Vuong (MCDB, UCSB)
Support: 2018 Summer Undergraduate Research and Creative Activities (URCA) Grant
Present position: Laboratory Technician at Pathnostics, Huntington Beach, CA
- 2018-2020 Shiv Salwan (MCDB, UCSB)
Support: 2018 Undergraduate Research and Creative Activities (URCA) Grant
Present position: Veterinary Student, Cornell University College of Veterinary Medicine
- 2018-2019 Shagun Agrawal (MCDB, UCSB)
Support: 2018 Undergraduate Research and Creative Activities (URCA) Grant
Present position: Graduate student, UCSB (Weimbs Lab)
- 2018-2019 Lianne Stouthart (HU University of Applied Sciences Utrecht, The Netherlands)
Bachelor's thesis research
Present position: Master Student, Biology of Disease, Utrecht University, The Netherlands
- 2018 Vicky Roseman (MCDB, UCSB)
- 2018-2020 Rachel Hildebrand (MCDB, UCSB)
Support: 2018 Undergraduate Research and Creative Activities (URCA) Grant
Present position: Assistant Clinical Research Associate, Radiation Oncology at Stanford University School of Medicine
- 2018-2019 Kathryn Fulton (MCDB, UCSB)
Present position: Infectious Disease Care Coordinator Lead at Los Angeles Christian Health Centers
- 2018-2019 Kiera Sullivan (College of Creative Studies, UCSB)
Present position: Research Associate at Singular Genomics, Singular Genomics, San Diego, California
- 2019 Sofia Classon (Lund University, Sweden)
Present position: Associate at Boston Consulting Group (BCG), Lund, Sweden
- 2019 Chance Sine (MCDB, UCSB)

2019 Jason Litvinchuk (MCDB, UCSB)

2019-2020 Aziz Hamza (MCDB, UCSB)

2019-present Eric Zheng (MCDB, UCSB)

2019-2020 Audrey Smith (MCDB, UCSB)
Present position: Research Associate at Combangio, Inc., San Jose, CA

2019-2020 Tanisha Ram (MCDB, UCSB)
Present Position: Laboratory Scientist at Celprogen Inc

2019 Justin Lin (MCDB, UCSB)

2019-2020 David Asplund (MCDB, UCSB)
Present position: Staff Research Associate I, UCSB (Weimbs Lab)

2019-2020 Tiffany Chin (MCDB, UCSB)
Present position: Staff Research Associate I, UCSB (Weimbs Lab)

2019-2020 Katherine Dang (MCDB, UCSB)

2019-2020 Morgan Decker (MCDB, UCSB)

2019 Julia Goldstein (MCDB, UCSB)

2019-present Rhianna Haynie-Cion (MCDB, UCSB)

2019-2021 Amrit Kaur Bhandal (MCDB, UCSB)

2019-2020 Evan McCormack (MCDB, UCSB)
Present position: Research Associate, Quantum Si, Guilford, CT

2019-2020 Nils Methot (MCDB, UCSB)
Present position: Research Technician, La Jolla Institute for Immunology, San Diego County, CA

2019-present Ronnie Page-Harley (MCDB, UCSB)

2019-2022 Morgan Smith (MCDB, UCSB)

2019-2020 Kyle Perkovich (MCDB, UCSB)
Present position: Clinical Writer, Applied Medical, Rancho Santa Margarita, CA

2019-2020 Laura Wu (MCDB, UCSB)
Present Position: Graduate Student, Brown University

2019-present Joanna Le Galloudec (MCDB, UCSB)

2020 Brad Kroes (MCDB, UCSB)
Present position: Staff Research Associate I, UCSB (Weimbs Lab)

2020-2021 Lindsey Dickerson (MCDB, UCSB)
Present position: Medical Assistant at Maguire and Early Orthopedics, Santa Barbara, CA

2020-present Tucker Lowell (MCDB, UCSB)

2020-present Juliette Rebello (MCDB, UCSB)

2020-present Jazmine Haratani (MCDB, UCSB)

2021-present Joe Fan (MCDB, UCSB)

2021-present Brina Aceves (MCDB, UCSB)

2021-present Yuqi Liu (MCDB, UCSB)

2021-present Amy Ye (MCDB, UCSB)

2022-present Timothy Chang (UCSB, Engineering)

2022-present Cynthia Dharmawan (MCDB, UCSB)

2022-present Tina Elias (MCDB, MCDB)

2022-present Kareena Johnson (MCDB, UCSB)

2022-present Ashley Khowong (MCDB, UCSB)

2022-present Amy Lai (MCDB, UCSB)

2022-present Tam Le (MCDB, UCSB)

2022-present Han Zheng (MCDB, UCSB)

INSTITUTIONAL AND DEPARTMENTAL ACTIVITIES

2018-2021	Member, Committee on International Education, UCSB
2018-present	Chair, Awards Committee, MCDB Department, UCSB
2017-present	Chair (since 2018), Undergraduate Major Oversight Committee - Pharmacology, MCDB
2016	Member, Faculty Search Committee, MCDB Department, UCSB
2014-present	Member, Graduate Committee and Recruitment Committee, MCDB Department, UCSB
2013-present	Member, MCDB Development/Public Affairs Committee, UCSB
2013-2014	Member, Faculty Legislature, UCSB
2006-2014	Chair, Advisory Committee for the Neuroscience Research Institute, UCSB
2010-2013	Chair, MCDB Public Relations Committee
2010-2012	Lecture Series Coordinator, Frontiers in Cancer Research (jointly sponsored by the Doreen J. Putrah Cancer Research Foundation, the Cancer Center of Santa Barbara, and UC Santa Barbara)
2009-2013	Member, Development Committee, MCDB Department, UCSB
2009	Member, University-wide, Graduate Division Continuing Fellowship Review Committee, UCSB
2008-2009	Member, FTE Planning/Space Allocation Committee, MCDB Department, UCSB
2008-2011	Chair (until 2010, then Member), Seminar Committee, MCDB Department, UCSB
2007-2008	Member, Library Committee, MCDB Department, UCSB
2006-2012	Organizer, annual Department Retreat and Symposium, MCDB Department, UCSB
2006-2012	Member, Graduate Student Recruitment Committee, MCDB Department, UCSB
2005-2012	Member, Graduate Committee, MCDB Department, UCSB
2005-2007	Member, Departmental Building and Equipment Committee, MCDB Department, UCSB
2004-2005	Member, Faculty Search Committee, Department of Cell Biology, Cleveland Clinic
2003	Member, Cell Biology Retreat Organizing Committee (joint between CWRU and Cleveland Clinic)
2003-2005	Member, Curriculum Development Committee – Renal, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University
2002-2005	Chair, Public Relations Committee, Lerner Research Institute, Cleveland Clinic
2001-2005	Member, Advisory Committee, Imaging Core Facility, Cleveland Clinic
2001-2002	Member, Faculty Search Committee, Anesthesiology Research, Cleveland Clinic
2000-2002	Director, Cell Biology Seminar Series, Cleveland Clinic
2000	Member, Faculty Search Committee, Molecular Radiobiology, joint between Department of Cancer Biology and Department of Radiation Oncology, Cleveland Clinic
2000-2003	Member, Faculty Search Committee, Department of Neuroscience, Cleveland Clinic
1999-2000	Chair, Cell Biology Brochure Committee, Cleveland Clinic
1999-2005	Web Editor, Department of Cell Biology, Cleveland Clinic
1999-2000	Member, Cell Biology Retreat Organizing Committee, Cleveland Clinic

TEACHING (SELECTION)

2021/2022	MCDB187/269, Spring Quarter (Pharmacology Colloquia) MCDB 103L, Winter Quarter (Laboratory in Molecular Cell Biology) MCDB/BMSE 218B, Winter Quarter (Molecular Cell Biology II)
2020/2021	MCDB187/269, Spring Quarter (Pharmacology Colloquia) MCDB 103L, Winter Quarter (Laboratory in Molecular Cell Biology)

2019/2020 MCDB/BMSE 218B, Winter Quarter (Molecular Cell Biology II)
 MCDB187/269 Pharmacology Colloquia, Spring Quarter
 MCDB 103L, Winter Quarter (Laboratory in Molecular Cell Biology)
 MCDB/BMSE 235, Fall (Strategies in Molecular Genetics)

2018/2019 MCDB187/269 Pharmacology Colloquia, Spring Quarter
 MCDB 103L, Winter Quarter (Laboratory in Molecular Cell Biology)
 MCDB/BMSE 235, Fall (Strategies in Molecular Genetics)

2017/2018 MCDB187/269 Pharmacology Colloquia, Spring Quarter
 MCDB 103L, Winter Quarter (Laboratory in Molecular Cell Biology)
 MCDB/BMSE 235, Fall (Strategies in Molecular Genetics)

2016/2017 MCDB187/269 Pharmacology Colloquia, Spring Quarter
 MCDB 103L, Winter Quarter (Laboratory in Molecular Cell Biology)
 MCDB/BMSE 235, Fall (Strategies in Molecular Genetics)

2015/2016 MCDB 221, Spring (RESEARCH PROPOSALS)
 INT 84PD, Spring (Orientation to Biomedical Research and the Practice of Medicine)
 MCDB 103L, Winter Quarter (Laboratory in Molecular Cell Biology)
 MCDB/BMSE 235, Fall (Strategies in Molecular Genetics)

2014/2015 MCDB 221, Spring (RESEARCH PROPOSALS)
 INT 84PD, Spring (Orientation to Biomedical Research and the Practice of Medicine)
 INT 84PD, Winter Quarter (Orientation to Biomedical Research and the Practice of Medicine)
 MCDB 194TW, Winter Quarter (Molecular mechanisms of human disease)
 MCDB 103L, Winter Quarter (Laboratory in Molecular Cell Biology)
 MCDB/BMSE 235, Fall (Strategies in Molecular Genetics)
 MCDB 1B, Winter (Introductory Biology II - Physiology)

2013/2014 INT 84PD, Spring Quarter (Orientation to Biomedical Research and the Practice of Medicine)
 MCDB 103L, Winter (Cell Biology Laboratory)
 INT 84PD, Winter Quarter (Orientation to Biomedical Research and the Practice of Medicine)

2012/2013 "Membrane Dynamics" (MCDB 220C/BMSE 220C), UCSB Winter 2013
 "Orientation to Biomedical Research and the Practice of Medicine" (Honors Class, INT 84PD) Winter & Spring 2013
 "Laboratory in Molecular Cell Biology" (MCDB 103L), UCSB, Winter 2012
 "Molecular mechanisms of human disease" (Literature class, MCDB 194TW), UCSB, Winter 2013
 "Experimental Strategies in Molecular Genetics", (Grad. course, MCDB 235/BMSE 235), Fall 2012

2010/2011 "Laboratory in Molecular Cell Biology" (MCDB 103L), UCSB, Winter 2011
 "Molecular mechanisms of human disease" (Literature class, MCDB 194TW), UCSB, Winter 2011

2009/2010 "Laboratory in Molecular Cell Biology" (MCDB 103L), UCSB, Winter 2010
 "Experimental Strategies in Molecular Genetics", graduate course, (grad. course, MCDB 235/BMSE 235), Fall 2009

2008/2009 "Introductory Biology II - Physiology" (MCDB 1B), UCSB, Winter 2009
 "Laboratory in Molecular Cell Biology" (MCDB 103L), UCSB, Winter 2009
 "Experimental Strategies in Molecular Genetics", graduate course, (MCDB 235), Fall 2008

2007/2008 "Introductory Biology II - Physiology" (MCDB 1B), UCSB, Winter 2008
 "Laboratory in Molecular Cell Biology" (MCDB 103L), UCSB, Winter 2008

- 2006/2007 “Experimental Strategies in Molecular Genetics” (MCDB 235), Fall 2007
 “Introductory Biology II - Physiology” (MCDB 1B), UCSB, Winter 2007
 “Laboratory in Molecular Cell Biology” (MCDB 103L), UCSB, Winter 2007
- 2005 “Membrane Dynamics”, graduate course, MCDB 220C, one lecture, UCSB
 “Cell Signaling and Regulation: Emerging concepts in cell signaling”, graduate course, PATH 555 / CLBY 555, one seminar, Graduate Program in Cell Biology, Case Western Reserve University
- 2004 Seminar on Renal Epithelial Cell Biology, “Renal Block”, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University
 Participation in team-taught “Basic Science” teaching block for first-year medical students (Membrane Biology, 4 hours), Cleveland Clinic Lerner College of Medicine of Case Western Reserve University
 “Gene search” course (8 hours) for first-year medical students, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University
 “Cell Signaling and Regulation: Emerging concepts in cell signaling”, graduate course, PATH 555 / CLBY 555, one seminar, Graduate Program in Cell Biology, Case Western Reserve University
- 2003 8 week Summer Course “Membrane Trafficking”, BIO 688/888, Regulatory Biology Graduate Program, Cleveland State University
- 2002 “Inflammation and Membrane Traffic” in “Advanced Topics in Inflammation”, Molecular Medicine Graduate Program, Cleveland State University
- 2001-2005 Journal Club, Graduate Program in Cell Biology, Case Western Reserve University

OTHER ACTIVITIES

- 2016 Member, External Advisory Committee, Hepato/Renal Fibrocystic Diseases Core Center, University of Alabama, Birmingham
- 2015-2018 Member, PhD advisory committee, Hayley Nguyen (Ma, advisor), MCDB Graduate Program, UCSB
- 2014-present Founding Faculty Advisor, Phi Delta Epsilon, International Co-Ed Medical Fraternity, UCSB Chapter
- 2012-2015 Member, PhD advisory committee, Aaron Anselmo (Samir Mitragotri, advisor), Department of Chemical Engineering, UCSB
- 2011-2012 Member, PhD advisory committee, Kristina Okonski (Samuel, advisor), MCDB Graduate Program, UCSB
- 2011-2012 Member, PhD advisory committee, Nora Taghavi (Samuel, advisor), MCDB Graduate Program, UCSB
- 2009-2010 Member, PhD advisory committee, Zhuojin Xu (Ma, advisor), MCDB Graduate Program, UCSB
- 2006-2009 Member, PhD advisory committee, Linda Soo Hoo (Carol Vandenberg, advisor), MCDB Graduate Program, UCSB
- 2006-2010 Member, PhD advisory committee, Qiang Gong (Zach Ma, advisor), MCDB Graduate Program, UCSB
- 2004-2005 Member, PhD advisory committee, Thomas Hattier (Alan Tartakoff, advisor), Case Western Reserve University
- 2003-2005 Member, PhD advisory committee, Geza Varhegyi (Michael Walton, advisor), Cleveland State University, Department of Biological, Geological, and Environmental Sciences
- 2003-2004 Member, Organizing Committee, Cleveland Cell Biology Symposium 2004 (joint between CWRU and Cleveland Clinic)
- 2003-2005 Member, Graduate Committee on Curriculum and Academic Standards (GCCAS), Department of Biological, Geological, and Environmental Sciences, Cleveland State University

2002-2005	Member, PhD advisory committee, Muneer Mirza (Miguel Quinones, advisor), Cleveland State University, Department of Biological, Geological, and Environmental Sciences
2002-2005	Member, PhD advisory committee, Stephanie Gall (Joe Keiper, advisor), Cleveland State University, Department of Biological, Geological, and Environmental Sciences
2001-2003	Member, PhD thesis committee, Amit Vasanji (Paul Fox, advisor), BME graduate program, Case Western Reserve University
2001-2005	Organizer, Cleveland Membrane Traffic Club (jointly between Case Western Reserve University and Cleveland Clinic)

ISSUED PATENT

US 11,013,705 B2. Date of Patent: May 25, 2021. Title: "Methods and Compositions for Supporting Renal Health". Inventors: Thomas Weimbs, Jacob Torres, Muthusamy Thangaraju

JOURNAL COVERS

Journal of Cell Science, Vol. 115, Issue 23 (2002)

Traffic, Vol. 6, Issue 7 (2005)

Proceedings of the National Academy of Sciences of the USA, Vol. 103, No. 14 (2006)

Glia, Vol. 54, No. 2 (2006)

Molecular Cancer Therapeutics 5, 2468–73 (2006)

PUBLICATIONS

Primary research articles

1. **Weimbs**, T., Dick, T., Stoffel, W., and Boltshauser, E. (1990). A Point Mutation at the X-Chromosomal Proteolipid Protein Locus in Pelizaeus-Merzbacher Disease leads to Disruption of Myelogenesis. *Biological Chemistry Hoppe-Seyler* **371**, 1175-1183
2. **Weimbs**, T. and Stoffel, W. (1992). Proteolipid Protein (PLP) of CNS Myelin: Positions of Free, Disulfide-Bonded, and Fatty Acid Thioester-Linked Cysteine Residues and Implications for the Membrane Topology of PLP. *Biochemistry* **31**, 12289-12296
3. **Weimbs**, T. and Stoffel, W. (1994). Topology of the Myelin Proteolipid Protein: Labeling of Lysine Residues and Evidence for Non-Enzymatic Lysine Glycosylation in Diabetic and Normal Animals. *Biochemistry* **33**, 10408-10415
4. Low, S. H.*, Chapin, S. J.*, **Weimbs**, T.*, Kömüves, L. G., Bennett, M. K. and Mostov, K. E. (1996). Differential Localization of Syntaxin Isoforms in Polarized MDCK Cells. *Molecular Biology of the Cell* **7**, 2007-2018 (* equally contributing first authors)
5. **Weimbs**, T., Low, S. H., Chapin, S. J., Mostov, K. E., Bucher, P. and Hofmann K. (1997). A conserved domain is present in different families of vesicular fusion proteins: A new superfamily. *Proceedings of the National Academy of Sciences of the USA* **94**, 3046-3051
6. Low, S. H., Roche, P. A., Anderson, H. A., van IJzendoorn, S. C. D., Zhang, M., Mostov, K. E., and **Weimbs**, T. (1998). Targeting of SNAP-23 and SNAP-25 in Polarized Epithelial Cells. *Journal of Biological Chemistry* **273**, 3422-3430
7. **Weimbs**, T., Mostov, K. E., Low, S. H., and Hofmann, K. (1998). A model for structural similarity between different SNARE complexes based on sequence relationships. *Trends in Cell Biology* **8**, 260-262
8. Low, S. H., Chapin, S. J., Wimmer, C., Whiteheart, S. W., Kömüves, L. K., Mostov, K. E., and **Weimbs**, T. (1998). The SNARE machinery is involved in apical plasma membrane trafficking in MDCK cells. *Journal of Cell Biology* **141**, 1503-1513
9. Low, S. H., Miura, M., Roche, P. A., Valdez, A. C., Mostov, K. E., and **Weimbs**, T. (2000). Intracellular re-direction of plasma membrane trafficking after loss of epithelial cell polarity. *Molecular Biology of the Cell* **11**, 3045-3060

10. Lim, S.-N., Bonzelius, F., Low, S.H., Wille, H., **Weimbs**, T., and Herman, G.A. (2001) Identification of a novel class of small endosome-derived vesicles as a major cellular pool for recycling proteins. ***Molecular Biology of the Cell***, 12, 981–995
11. van Ijzendoorn, S.C.D., Tuvim, M.J., **Weimbs**, T., Dickey, B.F. and Mostov, K.E. (2002) Direct Interaction Between Rab3b and the Polymeric Immunoglobulin Receptor Controls Ligand-Stimulated Transcytosis in Epithelial Cells. ***Developmental Cell***, 2, 219-228
12. Li, X., Low, S.H., Miura, M. and **Weimbs**, T. (2002) Differential SNARE Expression and Localization in Renal Epithelial Cells suggests mechanism for establishment of distinct trafficking phenotypes. ***Am. J. Physiol. Renal Physiol.***, 283, F1111-1122
13. Low, S.H., Marmorstein, L.Y, Miura, M., Li, X., Kudo, N., Marmorstein, A.D. and **Weimbs**, T. (2002) Retinal pigment epithelial cells exhibit unique expression and localization of plasma membrane syntaxins which may contribute to their trafficking phenotype. ***Journal of Cell Science***, 115, 4545-4553 *Journal Cover
14. Kreitzer, G., Schmoranzler, J., Low, S.H., Li, X., Gan, Y., **Weimbs**, T., Simon, S.M. and Rodriguez-Boulan, E. (2003) Three-dimensional Analysis of Post-Golgi Carrier Exocytosis in Epithelial Cells. ***Nature Cell Biology*** 5, 126-136
15. Sherief, M.H., Low, S.H., Miura, M., Kudo, N., Novick, A.C. and **Weimbs**, T. (2003) Matrix Metalloproteinase Activity in Urine of Renal Cell Carcinoma Patients Leads to Degradation of Extracellular Matrix Proteins: Possible Use as a Screening Assay. ***Journal of Urology*** 169, 1530-4
16. Low, S.H., Li, X., Miura, M., Kudo, N., Quinones, B. and **Weimbs**, T. (2003) Syntaxin 2 and Endobrevin are Required the Terminal Step of Cytokinesis. ***Developmental Cell*** 4, 753-759
 - Cleveland Clinic News Release: "Cleveland Clinic-led research identifies two proteins required for completion of cell division" (5/5/2003)
17. Fan, S., Hurd, T.W., Liu, C.-J., Straight, S.W., **Weimbs**, T., Hurd, E.A., Domino, S.E. and Ben Margolis (2004) Polarity proteins control ciliogenesis via kinesin motor interactions. ***Current Biology*** 14, 1451-61
 - Featured in Bossinger, O., and A. Bachmann. 2004. "Ciliogenesis: polarity proteins on the move." *Curr Biol.* 14:R844-6.
 - ScienceDirect, TOP 25 Hottest Articles, Agricultural and Biological Sciences, Jul-Sep 2004
18. Fei B, Flask C, Wang H, Pi A, Wilson D, Shillingford J, Murcia N, **Weimbs** T, Duerk J. (2005) Image Segmentation, Registration and Visualization of Serial MR Images for Therapeutic Assessment of Polycystic Kidney Disease in Transgenic Mice. ***Conf Proc IEEE Eng Med Biol Soc.*** 1:467-9
19. Low SH, Vasanji A, Nanduri J, He M, Sharma N, Koo M, Drazba J, **Weimbs** T. (2006) Syntaxins 3 and 4 Are Concentrated in Separate Clusters on the Plasma Membrane prior to the Establishment of Cell Polarity. ***Molecular Biology of the Cell*** 17, 977-989
 - Featured in "INCYTES from MBC" in the ASCB Newsletter, February 2006, p. 21
20. Low SH, Vasanth S, Larson CH, Mukherjee S, Sharma N, Kinter MT, Kane ME, Obara T, and **Weimbs** T (2006) Polycystin-1, STAT6 and P100 function in a novel pathway that transduces ciliary mechanosensation to gene expression and is activated in polycystic kidney disease. ***Developmental Cell*** 10, 57-69
 - UCSB News Release: "Scientists Discover Genetic Pathway that Could Lead to Drug Therapy for Kidney Disease" (1/31/2006)
 - Featured in *Science STKE*, Vol. 2006, Issue 318, pp. tw481, "Editor's Choice: Kidney Disease: Polycystin as Mechanosensor"
 - Featured in *Journal of Cell Biology* (2006) Volume 172, 486-492, "ASCB Meeting Report: STAT6 Escapes From Cilia And Harms Kidneys"
21. Shillingford JM, Murcia NS, Larson CH, Low SH, Hedgepeth R, Brown N, Flask CA, Novick AC, Goldfarb DA, Kramer-Zucker A, Walz G, Piontek KB, Germino GG, **Weimbs** T (2006) From the Cover: The mTOR pathway is regulated by polycystin-1, and its inhibition reverses renal cystogenesis in polycystic kidney disease. ***Proceedings of the National Academy of Sciences of the USA*** 103, 5466-71
 - Accompanying Commentary: Mostov, KE (2006) "mTOR is out of control in polycystic kidney disease" *PNAS* 103, 5247–5248
 - Featured on the cover and "In This Issue" of *PNAS* (*PNAS* 103: 5243-5244, 2006)
 - Featured in *Nature Genetics*, 38, 511 (2006) "Research Highlights: Polycystic kidney

- disease and mTOR"
- Featured in *Nature Clinical Practice Nephrology* (2006) 2, 295 "Research Highlights: Reversing the progression of polycystic kidney disease with an mTOR inhibitor", R. Williams
 - Featured in *Kidney International* (2006) 69, 2122–2123 "Journal Club: Medical therapy for renal cystic disease", J. Oliver
 - "Must Read", 27 Apr 2006, D. Cook, Faculty of 1000 - Biology
 - UCSB News Release: "Scientists Discover That Widely Available Drug Also Helps Fight Kidney Disease" (3/20/2006)
22. Sharma N, Low SH, Misra S, Pallavi B, and **Weimbs** T. (2006) Apical Targeting of Syntaxin 3 is Essential for Epithelial Cell Polarity. *Journal of Cell Biology* 173, 937–948
 23. Kidd GJ, Yadav VK, Huang P, Brand SL, Low SH, **Weimbs** T, Trapp BD (2006) A dual tyrosine-leucine motif mediates myelin protein P0 targeting in MDCK Cells. *Glia* 54, 135-145
 24. Christiansen JJ, **Weimbs** T, Bander N, and Rajasekaran AK (2006) Differing effects of microtubule depolymerizing and stabilizing chemotherapeutic agents on t-SNARE mediated apical targeting of prostate specific membrane antigen. *Molecular Cancer Therapeutics* 5, 2468–73 *Journal Cover
 25. Dai, S, Zhang, Y, **Weimbs**, T, Yaffe, MB, and Zhou, D (2007) Bacteria-generated PtdIns(3)P recruits VAMP8 to facilitate phagocytosis. *Traffic* 8, 1365–1374
 26. Mistry, AC, Mallick, R, Klein, JD, **Weimbs**, T, Sands, JM, Fröhlich, O (2009) Syntaxin specificity of aquaporins in the inner medullary collecting duct. *Am J Physiol Renal Physiol*. 297, 292-300
 27. Shillingford, JM, Piontek, KB, Germino, GG, **Weimbs**, T (2010) Rapamycin Ameliorates PKD Resulting from Conditional Inactivation of Pkd1. *Journal of the American Society of Nephrology* 21, 489-97
 - UCSB News Release: "Research at UCSB Points to Potential Treatment for Kidney Disease" (1/25/2010)
 - Accompanying Editorial: York Pei (2010) "Of Mice and Men: Therapeutic mTOR Inhibition in Polycystic Kidney Disease" *J Am Soc Nephrol* 21: 390-391
 28. Talbot, JJ, Shillingford, JM, Vasanth, S, Doerr, N, Mukherjee, S, Kinter, M, Watnick, T, and **Weimbs**, T (2011) Polycystin-1 Regulates STAT Activity by a Dual Mechanism. *Proceedings of the National Academy of Sciences of the USA* 108, 7985-7990
 - UCSB News Release: "UCSB Scientists Discover New Drug Target for Kidney Disease" (4/26/2011)
 - Editor's Choice: "Polycystin-1: A Double-Duty Activator" by Nancy R. Gough, *Science Signaling*, 2011 Vol. 4, p. ec142 (2011)
 29. Reales, E, N Sharma, SH Low, H Fölsch, and T **Weimbs** (2011) Basolateral Sorting of Syntaxin 4 Is Dependent on Its N-Terminal Domain and the AP1B Clathrin Adaptor, and Required for the Epithelial Cell Polarity. *PLoS ONE* 6(6): e21181 (2011).
 30. Olsan EE, Mukherjee S, Wulkersdorfer B, Shillingford JM, Giovannone AJ, Todorov G, Song X, Pei Y, and **Weimbs** T. (2011) Signal Transducer and Activator of Transcription-6 (STAT6) Inhibition Suppresses Renal Cyst Growth in Polycystic Kidney Disease. *Proceedings of the National Academy of Sciences of the United States of America* 108, 18067-18072
 - UCSB News Release: "Scientists Make Strides Toward Drug Therapy for Inherited Kidney Disease" (10/27/2011)
 - Commentary: "Is suppression of cyst growth in PKD enough to preserve renal function?: STAT6 inhibition is a novel promising target" (C. Deltas and K. Felekis, *JAK-STAT* (2012) 1:3, 216-218.)
 31. Stayner C, Shields J, Slobbe L, Shillingford JM, **Weimbs** T, Eccles MR. (2012) Rapamycin-mediated suppression of renal cyst expansion in del34 Pkd1(-/-) mutant mouse embryos; an investigation of the feasibility of renal cyst prevention in the fetus. *Nephrology* 17, 739–747
 32. Shillingford, JM, Leamon, CP, Vlahov, IR, **Weimbs**, T (2012) Folate-Conjugated Rapamycin Slows Progression of Polycystic Kidney Disease *Journal of the American Society of Nephrology* 23, 1674–1681
 - UCSB News Release: "New Drug Shows Promise for Kidney Disease" (8/2/2012)
 - Research Highlight, "Polycystic kidney disease: Modified rapamycin targets PKD", H. Myrvang, *Nature Reviews Nephrology* 8, p.554

33. Talbot, JJ, Song, X, Wang, X, Rinschen, MM, Doerr, N, LaRiviere, WB, Schermer, B, Pei, YP, Torres, VE, Weimbs, T (2014) The cleaved cytoplasmic tail of polycystin-1 interacts with Src and amplifies STAT3 activation in response to cAMP- and EGFR-signaling. ***Journal of the American Society of Nephrology*** 25, 1737-1748
34. Olsan EE, Matsushita T, Rezaei M, **Weimbs T.** (2015) Exploitation of the Polymeric Immunoglobulin Receptor for Antibody Targeting to Renal Cyst Lumens in Polycystic Kidney Disease. ***J Biol Chem.*** 290, 15679–15686
 - UCSB News Release: “Delivering Drugs to the Right Place” (6/25/2015)
35. Rothe, B., Leal-Esteban, L., Bernet, F., Urfer, S., Doerr, N., **Weimbs, T.**, Iwaszkiewicz, J., and Constam, D.B. (2015). Bicc1 polymerization regulates the localization and silencing of bound mRNA. ***Molecular and Cellular Biology*** 35, 3339-3353
36. Kipp KR, Rezaei M, Lin L, Dewey EC, **Weimbs T** (2016). A mild reduction of food intake slows disease progression in an orthologous mouse model of polycystic kidney disease. ***Am J Physiol Renal Physiol.*** 310, F726–F731
 - Chosen for APSelect (March, 2016, apselect.physiology.org)
 - UCSB News Release: “A Diet Dividend” (1/28/2016)
 - Press Release, The American Physiological Society (1/28/2016)
37. Doerr N, Wang Y, Kipp KR, Liu G, Benza JJ, Pletnev V, Pavlov TS, Staruschenko A, Mohieldin AM, Takahashi M, Nauli SM, **Weimbs T.** (2016). Regulation of Polycystin-1 Function by Calmodulin Binding. ***PLoS One*** 11(8):e0161525.
38. Hoo LS, Banna CD, Radeke CM, Sharma N, Albertolle ME, Low SH, **Weimbs T**, Vandenberg CA. 2016. The SNARE Protein Syntaxin 3 Confers Specificity for Polarized Axonal Trafficking in Neurons. ***PLoS One*** 11(9):e0163671.
39. Giovannone AJ, Reales E, Bhattaram P, Fraile-Ramos A, **Weimbs T.** (2017). Mono-ubiquitination of syntaxin 3 leads to retrieval from the basolateral plasma membrane and facilitates cargo recruitment to exosomes. ***Mol Biol Cell*** 28, 2843-2853.
 - **HIGHLIGHTS** from MBoC, ASCB Newsletter Nov/Dec 2017, Vol 40, No 8, P 26
40. Giovannone AJ, Reales E, Bhattaram P, Fraile-Ramos A, **Weimbs T.** (2018). Tracking Endocytosis and Intracellular Trafficking of Epitope-tagged Syntaxin 3 by Antibody Feeding in Live, Polarized MDCK Cells. ***Bio-Protocol*** 8(3), pii: e2453.
41. Giovannone AJ, Winterstein C, Bhattaram P, Reales E, Low SH, Baggs JE, Xu M, Lalli MA, Hogenesch JB, **Weimbs T.** (2018). Soluble syntaxin 3 functions as a transcriptional regulator. ***J Biol Chem*** 293, 5478-5491.
 - UCSB News Release: “Protein Moonlighting: A class of proteins involved in essential cell functions has an unexpected role, UCSB scientists discover” (4/12/2018)
42. Olsan EE, West JD, Torres JA, Doerr N, **Weimbs T.** (2018). Identification of Targets of Interleukin-13 and Signal Transducer and Activator of Transcription-6 (STAT6) Signaling in Polycystic Kidney Disease. ***Am J Physiol Renal Physiol.*** 315, F86–F96.
43. Billot, K., Coquil, C., Villiers, B., Josselin-Foll, B., Desban, N., Delehouze, C., Oumata, N., Le Meur, Y., Boletta, A., **Weimbs, T.**, Grosch, M., Witzgall, R., Saunier, S., Fischer, E., Pontoglio, M., Fautrel, A., Mrug, M., Wallace, D. P., Tran, P. V., Trudel, M., Bukanov, N. O., Ibraghimov-Beskrovnaya, O., and Meijer, L. (2018) Casein kinase 1epsilon and 1alpha as novel players in polycystic kidney disease and mechanistic targets for (R)-roscovitine and (S)-CR8. ***Am J Physiol Renal Physiol.*** 315, F57–F73.
44. Kipp KR, Kruger SL, Schimmel MF, Parker N, Shillingford JM, Leamon CP, **Weimbs T.** (2018). Comparison of folate-conjugated rapamycin versus unconjugated rapamycin in an orthologous mouse model of polycystic kidney disease. ***Am J Physiol Renal Physiol.*** 315:F395–F405.
 - **Editorial Focus:** Chung EJ, Hallows KR. (2018). 'First Do No Harm': Kidney Drug Targeting to Avoid Toxicity in ADPKD. ***Am J Physiol Renal Physiol.*** 315: F535–F536

45. Torres JA, Rezaei M, Broderick C, Lin L, Wang X, Hoppe B, Cowley BD, Savica V, Torres VE, Khan S, Holmes RP, Mrug M, **Weimbs T.** (2019). Crystal deposition triggers tubule dilation that accelerates cystogenesis in polycystic kidney disease. *J Clin Invest.* 130:4506-4522.
 - UCSB News Release: "Strike Three: Researchers uncover a previously unrecognized mechanism that may accelerate polycystic kidney disease" (8/26/2019)
 - "Research Highlight: Crystal deposition aids cystogenesis", Allison SJ. *Nature Reviews Nephrology* 2019 Sep 24 [Epub ahead of print].
 - Atta M: F1000Prime Recommendation of [Torres JA et al., J Clin Invest 2019 130]. In F1000Prime, 12 Sep 2019
46. Torres JA, Kruger SL, Broderick C, AmaralKhagva T, Agrawal S, Dodam JR, Mrug M, Lyons LA, **Weimbs T.** (2019). Ketosis Ameliorates Renal Cyst Growth in Polycystic Kidney Disease. *Cell Metabolism* 30:1007–1023.
 - UCSB News Release: "Hope on the Horizon: Researchers in the Weimbs Lab find a method to potentially stop and reverse polycystic kidney disease" (10/17/2019)
 - "Research Highlight: Ketosis slows the progression of PKD", Carney EF. *Nature Reviews Nephrology* 2019 Oct 25 [Epub ahead of print].
 - Müller R and Bartram M: F1000Prime Recommendation of [Torres JA et al., Cell Metab 2019]. In F1000Prime, 04 Dec 2019
47. Dafinger C, Mandel AM, Braun A, Göbel H, Burgmaier K, Massella L, Mastrangelo A, Dötsch J, Benzing T, **Weimbs T**, Schermer B, Liebau MC. (2020). The carboxy-terminus of the human ARPKD protein fibrocystin can control STAT3 signalling by regulating SRC-activation. *J Cell Mol Med.* 24:14633–14638
48. Giovannone AJ, Reales E, Bhattaram P, Nackeeran S, Monahan AB, Syed R, **Weimbs T.** (2020). The H_{abc} domain of syntaxin 3 is a ubiquitin binding domain. *Sci Rep.* 10(1):21350.
49. Strubl S, Oehm S, Torres JA, Grundmann F, Haratani J, Decker M, Vuong S, Bhandal AK, Methot N, Haynie-Cion R, Meyer F, Siedek F, Korst U, Müller RU, **Weimbs T.** (2021). Ketogenic Dietary Interventions in Autosomal-Dominant Polycystic Kidney Disease (ADPKD)— A Retrospective Case Series Study: First insights into Feasibility, Safety and Effects. *Clinical Kidney Journal* 15:1079-1092
 - Accompanying Editorial to our paper: Ong, ACM & Torra, R *Clinical Kidney Journal* 15, 1034–1036
 - UCSB News Release: "Researchers examine the role of low-carb/low-sugar diets in warding off polycystic kidney disease" (6/7/2022)
50. Tonum K, Srimai N, Chabang N, Fongsupa S, Tuchinda P, Torres JA, **Weimbs T**, Soodvilai S. (2022). Pharmacological Effects of Panduratin A on Renal Cyst Development in In Vitro and In Vivo Models of Polycystic Kidney Disease. *International Journal of Molecular Sciences* 23:4328-4343
51. Bruen DM, Kingaard JJ, Munits M, Paimanta CS, Torres JA, Saville J, **Weimbs T.** (2022). Ren.Nu, a Dietary Program for Individuals with Autosomal-Dominant Polycystic Kidney Disease Implementing a Sustainable, Plant-Focused, Kidney-Safe, Ketogenic Approach with Avoidance of Renal Stressors. *Kidney and Dialysis* 2:183-203

Review articles

1. Mostov, K.E., Altschuler, Y., Chapin, S.J., Enrich, C., Low, S.H., Luton, F., Richman-Eisenstat, J., Singer, K.L., Tang, K., **Weimbs, T.** (1995). Regulation of Protein Traffic in Polarized Epithelial Cells: The Polymeric Immunoglobulin Receptor Model. *Cold Spring Harbor Symposium of Quantitative Biology* 60, 775-781
2. **Weimbs, T.**, Low, S.H., Chapin, S.J., Mostov, K.E. (1997). Apical targeting in polarized epithelial cells: there's more afloat than rafts. *Trends in Cell Biology* 7, 393-399
3. **Weimbs, T.**, Low, S.H. Li, X. and Kreitzer, G. (2003). SNAREs and epithelial cells. *Methods* 30, 191-197

4. Tartakoff A.M., Matera A.G., Pimplikar S.W., **Weimbs** T. (2004). Regulation of nuclear functions – nucleocytoplasmic transport in context. ***European Journal of Cell Biology*** 83, 185-192
5. **Weimbs** T. (2006) Regulation of mTOR by polycystin-1: is polycystic kidney disease a case of futile repair? ***Cell Cycle*** 5, 2425-2429
6. **Weimbs** T. (2007) Polycystic kidney disease and renal injury repair: common pathways, fluid flow and the function of polycystin-1. ***Am J Physiol Renal Physiol.*** 293, F1423–F1432
7. Torres, VE, Boletta, A, Chapman, A, Gattone, V, Pei, Y, Qian, Q, Wallace, DP, **Weimbs**, T and Wüthrich, RP (2010) Prospects for mTOR Inhibitor Use in Patients With Polycystic Kidney Disease and Hamartomatous Diseases. ***Clinical Journal of the American Society of Nephrology*** 5, 1312-1329
8. **Weimbs** T (2011) Third-Hit Signaling in Renal Cyst Formation. ***J. Am. Soc. Nephrol.*** 22, 793-795
9. **Weimbs**, T., Olsan, E.E., Talbot, J.J. (2013) Regulation of STATs by polycystin-1 and their role in polycystic kidney disease ***JAK-STAT*** 2(2), e23650-1 - e23650-9
10. **Weimbs**, T., Talbot, J.J. (2013) STAT3 Signaling in Polycystic Kidney ***Disease Drug Discovery Today: Disease Mechanisms*** 10, e113–e118
11. **Weimbs**, T. (2018). "Are Cyst-Associated Macrophages in Polycystic Kidney Disease the Equivalent to TAMs in Cancer?" ***J Am Soc Nephrol*** 29: 2447–2450.
12. **Weimbs**, T., Shillingford, J.M., Torres, J, Kruger, S.L., and Bourgeois, B.C. (2018). "Emerging targeted strategies for the treatment of autosomal dominant polycystic kidney disease." ***Clinical Kidney Journal*** 11 (suppl_1), i27–i38
13. Strubl S, Torres JA, Spindt AK, Pellegrini H, Liebau MC, **Weimbs** T. (2020) "STAT signaling in polycystic kidney disease." ***Cellular Signalling*** 72, 109639.
14. Cho, Y., Tong, A., Craig, J.C., Mustafa, R.A., Chapman, A., Perrone, R.D., Ahn, C., Fowler, K., Torres, V., Gansevoort, R.T., ... **Weimbs**, T., ... et al. (2020). Establishing a Core Outcome Set for Autosomal Dominant Polycystic Kidney Disease: Report of the Standardized Outcomes in Nephrology–Polycystic Kidney Disease (SONG-PKD) Consensus Workshop. ***American Journal of Kidney Diseases*** 77, 255-263