

CURRICULUM VITAE

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Professor of Medicine

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EDUCATION

1975-1978 Mathematics & Economy, Technical and Free University Berlin, Germany
1976-1983 M.D., Free University Berlin and University Tübingen, Germany
1984 Postdoctoral Thesis, Free University Berlin, Germany
1992 Habilitation, Free University Berlin (Immunology), Germany
2012 General Management Program (GMP 12), Harvard Business School, Boston

POSTDOCTORAL TRAINING

Residencies and Clinical Fellowship

1983-1987 Resident, Department of Internal Medicine, University Hospital Steglitz, Free University Berlin, Germany
1992-1994 Resident, Department of Internal Medicine, Beth Israel Hospital and Harvard Medical School, Boston, USA
1994-1995 Clinical Fellow, Renal Division, Brigham and Women's Hospital and Harvard Medical School, Boston, USA

Research Fellowships

1987-1989 Research Fellow, Nephrology (Professor Terry B. Strom), Beth Israel Hospital, Harvard Medical School, Boston, USA
1989-1992 Research Fellow, Molecular Biology (Professor Brian Seed), Massachusetts General Hospital, Harvard Medical School, Boston, USA

LICENSURE AND CERTIFICATION

1983 German License Registration
1992 Massachusetts License Registration, USA
1994 American Board of Internal Medicine
1996 American Board of Internal Medicine, Nephrology
1999 German Board of Internal Medicine
1999 German Board of Nephrology

ACADEMIC APPOINTMENTS

1987-1992	Research Fellow, Harvard Medical School
1992-1994	Clinical Fellow, Harvard Medical School
1994-1996	Instructor in Medicine, Harvard Medical School
1996-1999	Assistant Professor of Medicine, Harvard Medical School
2008-2010	Associate Dean, Medical School Freiburg
1999-2026	Professor of Medicine, Medical School, University Freiburg
2026-	Professor Emeritus, Medical School, University Freiburg

HOSPITAL APPOINTMENTS

1983-1987	Clinical Fellow, Department of Medicine, University Hospital Steglitz, Free University Berlin, Germany
1987-1989	Research Fellow, Renal Division, Beth Israel Hospital, Boston
1989-1992	Research Fellow, Department of Molecular Biology, Massachusetts General Hospital, Harvard Medical School, Boston
1992-1994	Resident, Department of Medicine, Beth Israel Hospital, Boston
1994-1995	Clinical Fellow, Renal Division, Brigham and Women's Hospital, Harvard Medical School, Boston
1995-1999	Attending Physician, Renal Division, Beth Israel Deaconess Medical Center, Boston
1999-2026	Chief of Nephrology, Renal Division, University Freiburg Medical Center
2006-2009	Vice Chairman, Department of Medicine, University Freiburg Medical Center
2007-2012	Board of Directors, Center for Systems Biology, Freiburg
2008-2010	Associate Dean & Chair, Committee for Strategy & Planning, Medical School Freiburg
2009-2010	Chairman, Department of Medicine, University Freiburg Medical Center
2010-2012	Deputy Chief Executive Officer, University Freiburg Medical Center
2011-2012	Member, Supervisory Board of Directors, Cardiac Center, University Freiburg Medical Center & Bad Krozingen
2012-2013	Acting Chief, Department of Sports Medicine
2011-2016	Chief of Emergency Medicine, Department of Medicine, University Freiburg Medical Center

ADMINISTRATIVE & ACADEMIC RESPONSIBILITIES

2006	Academic Consultant of the Nephrology Institute, Changzheng Medical University, Shanghai, China
2006-2009	Vice Chairman, Department of Medicine
2007-2026	Principle Investigator, BIOSSE & CIBSS Excellence Cluster, University Freiburg
2009-2018	Chairman, Department of Medicine, University Freiburg Medical Center
2008-2015	Advisory Board, University Freiburg Medical Center
2008-2014	Speaker, DFG Clinical Research Group KFO 201

2008-2010	Associate Dean & Chair, Committee for Strategy & Planning
2010-2011	Deputy Chief Executive Officer, University Freiburg Medical Center
2011-2012	Member, Supervisory Board of Directors, University Freiburg Cardiac Center
2012-2026	Member, Committee for Strategy, Planning and Faculty Recruitment
2015-2019	Speaker, DFG Collaborative Research Center (SFB) 1140
2016-2026	Speaker, Institute for Disease Modelling and Targeted Medicine (IMITEATE)
2018-	Member, Supervisory Board of MEONA/MESALVO, Freiburg

AWARDS & FELLOWSHIPS

1987-1989	Research Fellowship, Deutsche Forschungsgemeinschaft (DFG)
1989	Young Investigator Award, American Society of Transplant Physicians
1989-1991	ASTP-Sandoz Fellowship in Transplantation Award
1991-1992	Special Fellow, Leukemia Society of America
2003	Teaching Award, Medical School Freiburg
2008	Ernst-Jung Prize in Medicine
2010-	Member, German Academy of Science, Leopoldina
2011	Lillian Jean Kaplan International Prize for Advancement in the Understanding of Polycystic Kidney Disease

PATENTS

US 5801044	Nucleic acid encoding an antibody that inhibits cell adhesion protein-carbohydrate interactions
US 5723583	Antibody containings sialyl lewis X determinants
EU 1974210	Method for diagnosing polycystic kidney disease
US 16185290	Method of producing renal cells from fibroblasts

REVIEW ACTIVITIES

1998	Panel Member, NIH Study Section
1999-	Reviewer for the German Scientific Organization (Deutsche Forschungsgemeinschaft DFG)
2002-2004	Panel Member, Wellcome Trust, London
2005	European Research Council (ERC) Panel Member, Brussels
2006	Academic Consultant of Nephrology, Institute of PLA Shanghai Second Military Medical University, Changzheng Hospital, China
2011-	Member of the Advisory Editorial Board for EMBO Molecular Medicine
2014	Evaluation Expert, Department of Medicine, University Hospital Zurich
2014	Panel Member, KDIGO (ADPKD)
2026	European Research Council (ERC) Panel Member, Brussels

Biography (selected)

- Zwick M, Zinkel B, Spohr C, Rückert T, Halbach S, Shoumariyeh K, Scheid J, Baur AS, Braun LM, Angel M, Michaeli E, Todkar A, Nelde A, Märklin M, Holzmayer SJ, Dicks S, Boerries M, Duquesne S, Schlaak AE, Otto-Mora P, Bengsch B, Schiff M, Kissel S, Selle M, Follo M, Altmann H, Kunadt D, Illert AL, Walz JS, Walz G, Duyster J, Schetelig J, Brummer T, Zeiser R, Köhler N. FLT3-ITD Induces CMTM6 and Enhances Immune Escape in Acute Myeloid Leukemia. **Cancer Res** 86:367-386 (2025).
- Wolff JM, Lang K, Chen M, Milosavljevic J, Kayser S, Helmstädter M, Walz G, Abed A, Gerstner L, Bahar S, Ulbrich MH, Hermle T. Transgenic human nephrin in Drosophila nephrocytes facilitates variant analysis. **Kidney Int** 108:57-73 (2025).
- Grahammer F, Dumoulin B, Gulieva RE, Wu H, Xu Y, Sulaimanov N, Arnold F, Sandner L, Cordts T, Todkar A, Moulin P, Reichardt W, Puelles VG, Kramann R, Freedman BS, Busch H, Boerries M, Walz G, Huber TB. Cyclin-dependent kinase 4 drives cystic kidney disease in the absence of mTORC1 signaling activity. **Kidney Int** 106:856-869 (2024).
- Tsang TH, Wiese M, Helmstädter M, Stehle T, Seyfferth J, Shvedunova M, Holz H, Walz G, Akhtar A. Transcriptional regulation by the NSL complex enables diversification of IFT functions in ciliated versus nonciliated cells. **Sci Adv** 9:eadh5598 (2023).
- Zhang Z, Zhang F, Davis AK, Xin M, Walz G, Tian W, Zheng Y. CDC42 controlled apical-basal polarity regulates intestinal stem cell to transit amplifying cell fate transition via YAP-EGF-mTOR signaling. **Cell Rep** 38, 110009 (2022).
- Yasunaga T, Wiegel J, Bergen MD, Helmstadter M, Epting D, Paolini A, Cicek O, Radziwill G, Engel C, Brox T, Ronneberger O, Walentek P, Ulbrich MH, Walz G. Microridge-like structures anchor motile cilia. **Nat Commun** 13, 2056 (2022).
- Maier JI, Rogg M, Helmstadter M, Sammarco A, Schilling O, Sabass B, Miner JH, Dengjel J, Walz G, Werner M, Huber TB, Schell C. EPB41L5 controls podocyte extracellular matrix assembly by adhesion-dependent force transmission. **Cell Rep** 34, 108883 (2021).
- Schlosser P, Li Y, Sekula P, Raffler J, Grundner-Culemann F, Pietzner M, Cheng Y, Wuttke M, Steinbrenner I, Schultheiss UT, Kotsis F, Kacprowski T, Forer L, Hausknecht B, Ekici AB, Nauck M, Volker U, Investigators G, Walz G, Oefner PJ, Kronenberg F, Mohny RP, Kottgen M, Suhre K, Eckardt KU, Kastenmuller G, Kottgen A. Genetic studies of urinary metabolites illuminate mechanisms of detoxification and excretion in humans. **Nat Genet** 52, 167-176 (2020).
- Szczurkowska J, Lee SI, Guo A, Cwetsch AW, Khan T, Rao S, Walz G, Huber TB, Cancedda L, Pautot S, Shelly M. A Localized Scaffold for cGMP Increase Is Required for Apical Dendrite Development. **Cell Rep** 31, 107519 (2020).
- Butt L, Unnersjo-Jess D, Hohne M, Edwards A, Binz-Lotter J, Reilly D, Hahnfeldt R, Ziegler V, Fremter K, Rinschen MM, Helmstadter M, Ebert LK, Castrop H, Hackl MJ, Walz G, Brinkkoetter PT, Liebau MC, Tory K, Hoyer PF, Beck BB, Brismar H, Blom H, Schermer B, Benzing T. A molecular mechanism explaining albuminuria in kidney disease. **Nat Metab** 2, 461-474 (2020).
- Yuan J, Aikawa S, Deng W, Bartos A, Walz G, Grahammer F, Huber TB, Sun X, Dey SK. Primary decidual zone formation requires Scribble for pregnancy success in mice. **Nat Commun** 10, 5425 (2019).
- Yakulov TA, Todkar AP, Slanchev K, Wiegel J, Bona A, Gross M, Scholz A, Hess I, Wurditsch A, Grahammer F, Huber TB, Lecaudey V, Bork T, Hochrein J, Boerries M, Leenders J, de Tullio P, Jouret F, Kramer-Zucker A, Walz G. CXCL12 and MYC control energy metabolism to support adaptive responses after kidney injury. **Nat Commun** 9, 3660 (2018).
- Viau A, Bienaime F, Lukas K, Todkar AP, Knoll M, Yakulov TA, Hofherr A, Kretz O, Helmstadter M, Reichardt W, Braeg S, Aschman T, Merkle A, Pfeifer D, Dumit VI, Gubler MC, Nitschke R, Huber TB, Terzi F, Dengjel J, Grahammer F, Kottgen M, Busch H, Boerries M, Walz G,

- Triantafyllopoulou A, Kuehn EW. Cilia-localized LKB1 regulates chemokine signaling, macrophage recruitment, and tissue homeostasis in the kidney. *EMBO J* 37 (2018).
- Kaminski MM, Tosic J, Kresbach C, Engel H, Klockenbusch J, Muller AL, Pichler R, Grahammer F, Kretz O, Huber TB, Walz G, Arnold SJ, Lienkamp SS. Direct reprogramming of fibroblasts into renal tubular epithelial cells by defined transcription factors. *Nat Cell Biol* 18, 1269-1280 (2016).
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 - Hoff S, Halbritter J, Epting D, Frank V, Nguyen TM, van Reeuwijk J, Boehlke C, Schell C, Yasunaga T, Helmstadter M, Mergen M, Filhol E, Boldt K, Horn N, Ueffing M, Otto EA, Eisenberger T, Elting MW, van Wijk JA, Bockenbauer D, Sebire NJ, Rittig S, Vyberg M, Ring T, Pohl M, Pape L, Neuhaus TJ, Elshakhs NA, Koon SJ, Harris PC, Grahammer F, Huber TB, Kuehn EW, Kramer-Zucker A, Bolz HJ, Roepman R, Saunier S, Walz G, Hildebrandt F, Bergmann C, Lienkamp SS. ANKS6 is a central component of a nephronophthisis module linking NEK8 to INVS and NPHP3. *Nat Genet* 45, 951-956 (2013).
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 - Walz G, Aruffo A, Kolanus W, Bevilacqua M, Seed B. Recognition by ELAM-1 of the sialyl-Lex determinant on myeloid and tumor cells. *Science* 250, 1132-1135 (1990).