

Curriculum Vitae

Thomas Gudermann Professor, Dr. med.
d.o.b. December 07th, 1960, in Lippstadt, Germany

University Education

1998 Habilitation Pharmacology and Toxicology, Faculty of Medicine, FU Berlin
1997 Boards in Pharmacology and Toxicology
1989 Dr. med, WWU Münster and FMGEMS and ECFMG certificate
1981–1988 Studies of Medicine, WWU Münster and Ben Gurion University, Israel

Scientific Career and Professional Activities

Since 2021 Dean, Faculty of Medicine, LMU Munich
Since 2020 Speaker of whole Study Section Medicine (“Fachkollegium Medizin”),
German Research Foundation (DFG)
Since 2020 Speaker of Section 1, Study Section Medicine, German Research Foundation (DFG)
Since 2020 Member of DFG Senate Committee for Clinical Research
Since 2020 Member of DFG Senate Committee for Experimental Animal Research
Since 2018 Spokesperson of Research Training Group “Targets in Toxicology – Deciphering
Therapeutic Targets in Lung Toxicology”, GRK 2338, DFG
Since 2018 Spokesperson of Elite Master Program “Human Biology – Principles of Health and
Disease”, LMU Munich, Faculties of Medicine and Biology
Since 2016 Elected member of DFG Study Section (“Fachkollegium Medizin”) 205, DFG
Since 2014 Spokesperson of Transregional Collaborative Research Center TRR 152, “TRiPs to
Homeostasis – Maintenance of Body Homeostasis by Transient Receptor Potential
Channel Modules”, DFG
2011–2016 DFG Liaison Officer of LMU Munich
2006–2011 Scientific Member of the Grants Committee of Collaborative Research Centres,
Deutsche Forschungsgemeinschaft (DFG)
2005–2008 President of the German Society of Endocrinology
Since 2008 Full Professor and Chair, Walther Straub Institute of Pharmacology and Toxicology,
LMU Munich
1999–2008 Full Professor and Chair of Pharmacology, Philipps-Universität Marburg
1994–1999 Junior Investigator, Institute of Pharmacology, FU Berlin
1992–1994 Clinical and Research Fellow, Universitätsklinikum Münster, WWU Münster
1989–1992 Postdoctoral Fellow, Baylor College of Medicine, Houston, Texas

Awards and Honors

2020 GT Toxicology Award 2020, German Society of Toxicology
2016 Career Achievement Award, Society of Toxicology (USA), Clinical and Translational
Toxicology Speciality Section
2012 Offer of the position as Scientific Director of the German Institute of Human Nutrition
(DIfE), Potsdam, Leibniz Institute
2009 Election to the German Academy of Natural Sciences Leopoldina
2004–2007 Offers of Full Professorships and First Positions on short lists of the Universities of Basel,
Edinburgh, Freiburg, Tübingen
1999 Thyroid Von Basedow Research Prize, German Society of Endocrinology
1994 Schoeller-Junkmann Prize, German Society of Endocrinology

Citation Record

Total citations: 23,539; h-index:83; h-index since 2017: 45 (Google Scholar September 2nd, 2022)

Top-10 selected publications

Keshavarz M, Faraj Tabrizi S, Ruppert AL, Pfeil U, Schreiber Y, Klein J, Brandenburger I, Lochnit G, Bhushan S, Perniss A, Deckmann K, Hartmann P, Meiners M, Mermer P, Rafiq A, Winterberg S, Papadakis T, Thomas D, Angioni C, Oberwinkler J, Chubanov V, **Gudermann T**, Gärtner U, Offermanns S, Schütz B, Kummer W. Cysteinyl leukotrienes and acetylcholine are biliary tuft cell cotransmitters. **Sci Immunol** 7:eabf6734. doi: 10.1126/sciimmunol.abf6734, 2022.

Kollewe A, Chubanov V, Tseung FT, Correia L, Schmidt E, Rössig A, Zierler S, Haupt A, Müller CS, Bildl W, Schulte U, Nicke A, Fakler B*, **Gudermann T***. The molecular appearance of native TRPM7 channel complexes identified by high-resolution proteomics. **Elife** 10:e68544, doi: 10.7554/eLife.68544. 2021. *corresponding authors

Erdogmus S, Storch U, Danner L, Becker J, Winter M, Ziegler N, Wirth A, Offermanns S, Hoffmann C, **Gudermann T***, Mederos y Schnitzler M*. Helix 8 is the essential structural motif of mechanosensitive GPCRs. **Nat Commun** 10:5784, doi: 10.1038/s41467-019-13722-0, 2019. *corresponding authors

Mittermeier L, Demirkhanyan L, Stadlbauer B, Breit A, Recordati C, Hilgendorff A, Matsushita M, Braun A, Simmons DG, Zakharian E, **Gudermann T***, Chubanov V*. TRPM7 is the central gatekeeper of intestinal absorption essential for postnatal survival. **Proc Natl Acad Sci USA** 116:4706-4715, doi: 10.1073/pnas.1810633116, 2019. *corresponding authors

Storch U, Forst AL, Pardatscher F, Erdogmus S, Philipp M, Gregoritz M, Mederos Y Schnitzler M and **Gudermann T**. Dynamic NHERF interaction with TRPC4/5 proteins is required for channel gating by diacylglycerol. **Proc Natl Acad Sci USA** 114:E37-E46, 2017.

Romagnani A, Vettore V, Rezzonico-Jost T, Hampe S, Rottoli E, Nadolni W, Perotti M, Meier MA, Hermans C, Geiger S, Wennemuth G, Recordati C, Matsushita M, Muehlich S, Proietti S, Chubanov V, **Gudermann T**, Grassi F, Zierler S. TRPM7 kinase activity is essential for T cell colonization and alleoreactivity in the gut. **Nat Commun** 8:1917, 2017.

Weissmann N, Sydykov A, Kalwa H, Storch U, Fuchs B, Mederos y Schnitzler M, Brandes RP, Grimminger F, Meissner M, Freichel M, Offermanns S, Veit F, Pak O, Krause KH, Schermuly RT, Brewer AC, Schmidt HH, Seeger W, Shah AM, **Gudermann T***, Ghofrani HA, Dietrich A*. Activation of TRPC6 channels is essential for lung ischemia-reperfusion-induced lung edema in mice. **Nat Commun** 3:649, doi: 10.1038/ncomms1660, 2012. *senior authors

Hinkes B, Wiggins RC, Gbadegesin R, Vlangos CN, Seelow D, Nürnberg G, Garg P, Verma R, Chaib H, Hoskins BE, Ashraf S, Becker C, Hennies HC, Goyal M, Wharram BL, Schachter AD, Mudumana S, Drummond I, Kerjaschki D, Waldherr R, Dietrich A, Ozaltin F, Bakkaloglu A, Cleper R, Basel-Vanagaite L, Pohl M, Griebel M, Tsygin AN, Soylu A, Müller D, Sorli CS, Bunney TD, Katan M, Liu J, Attanasio M, O'toole JF, Hasselbacher K, Mucha B, Otto EA, Airik R, Kispert A, Kelley GG, Smrcka AV, **Gudermann T**, Holzman LB, Nürnberg P, Hildebrandt F. Positional cloning uncovers mutations in PLCE1 responsible for a nephrotic syndrome variant that may be reversible. **Nat Genet** 38:1397-1405, 2006.

Hofmann T, Schaefer M, Schultz G, **Gudermann T**. Subunit composition of mammalian transient receptor potential channels in living cells. **Proc Natl Acad Sci USA** 99:7461-7466, 2002.

Hofmann T, Obukhov AG, Schaefer M, Harteneck C, **Gudermann T**, Schultz G. Direct activation of human TRP6 and TRP3 channels by diacylglycerol. **Nature** 397:259-263, 1999.