

## *Curriculum Vitae*

**Michael Gerckens** Dr. med.

d.o.b. September 24<sup>th</sup>, 1993, in Troisdorf, Germany

### **University Education**

- 2013–2020 Medical School, Ludwig-Maximilians-Universität München (LMU)
- 2016–2024 Doctorate in Medicine (Dr. med.) “Discovery of new cinnamic acid amides as novel antifibrotic drugs”, Comprehensive Pneumology Center (CPC) and Helmholtz Munich
- Since 2021 Residency for Internal Medicine / Pneumology, Department of Medicine V, LMU University Hospital

### **Scientific Career**

- Since 2025 Member of the EMPIRE (European Multicentre Pleural Infection Research Collaborative) Clinical Research Collaboration
- Since 2024 Research Group Leader “Lung Transplant: Therapeutic Immunology”, Institute for Lung Health and Immunity (LHI) / Comprehensive Pneumology Center, Helmholtz Munich and LMU University Hospital
- 2021–2024 Clinician-Scientist, Research Group Prof. Dr. Nikolaus Kneidinger, LMU University Hospital, Munich
- 2016–2024 MD Thesis, Research Group Dr. Gerald Burgstaller, Institute for Lung Health and Immunity (LHI) / Comprehensive Pneumology Center, Helmholtz Munich
- 2014–2016 Research Assistant, Comprehensive Pneumology Center (CPC), Research Group Prof. Dr. Oliver Eickelberg, Munich

### **Awards and Honors**

- 2025 Dissertation Prize, Deutsche Lungenstiftung e. V.
- 2024 Poster Prize for Clinical Research, Austrian Society of Pneumology (ÖGP)
- 2024 Poster Prize, 2nd DZG Munich Days
- 2023 Poster Prize, German Center for Lung Research (DZL), category “Repair and Regeneration”
- 2019 Research Prize, Cell Biology Section, German Respiratory Society (DGP)
- 2018 Research Fellowship, Comprehensive Pneumology Center (CPC), Munich
- 2016 MD Scholarship, Research School, Comprehensive Pneumology Center (CPC), Munich

### **Citation Record**

Total citations: 1,110; h-index: 9; h-index since 2021: 9 (Google Scholar, June 1st, 2026)

## Top-10 selected Publications

**Gerckens M**, Schorpp K, Pelizza F, Wögrath M, Reichau K, Ma H, Dworsky AM, Sengupta A, Stoleriu MG, Heinzelmann K, Merl-Pham J, Irmeler M, Alsafadi HN, Trenkenschuh E, Sarnova L, Jirouskova M, Frieß W, Hauck SM, Beckers J, Kneidinger N, Behr J, Hilgendorff A, Hadian K, Lindner M, Königshoff M, Eickelberg O, Gregor M, Plettenburg O, Yildirim AÖ, Burgstaller G. Phenotypic drug screening in a human fibrosis model identified a novel class of antifibrotic therapeutics. *Sci Adv*. 2021 Dec 24;7(52):eabb3673. doi: 10.1126/sciadv.abb3673. Epub 2021 Dec 22. PMID: 34936468; PMCID: PMC8694600.

**Gerckens M**, Richard A, Arnold P, Veit T, Barton J, Götschke J, Milger K, Kauke T, Schneider C, Michel S, Irlbeck M, Luecken M, Yildirim AÖ, Behr J, Kneidinger N, Mümmeler C. Multistate modelling of baseline lung allograft dysfunction in lung transplant recipients. *ERJ Open Res*. 2025 Oct 27;11(5):01135-2024. doi: 10.1183/23120541.01135-2024. PMID: 41158500; PMCID: PMC12557412.

**Gerckens M**, Mümmeler C, Richard A, Strodel J, Mertsch P, Milger K, Veit T, Gade N, Yildirim AÖ, Schneider C, Kauke T, Michel S, Irlbeck M, Behr J, Kneidinger N. Characterization of Baseline Lung Allograft Dysfunction in Single Lung Transplant Recipients. *Transplantation*. 2025 Apr 1;109(4):e213-e221. doi: 10.1097/TP.0000000000005189. Epub 2024 Sep 9. PMID: 39250332.

**Gerckens M**, Alsafadi HN, Wagner DE, Lindner M, Burgstaller G, Königshoff M. **Generation of Human 3D Lung Tissue Cultures (3D-LTCs) for Disease Modeling**. *J Vis Exp*. 2019 Feb 12;(144). doi: 10.3791/58437. PMID: 30829341.

Mayr CH, Sengupta A, Asgharpour S, Ansari M, Pestoni JC, Ogar P, Angelidis I, Liontos A, Rodriguez-Castillo JA, Lang NJ, Strunz M, Porras-Gonzalez D, **Gerckens M**, De Sadeleer LJ, Oehrle B, Viteri-Alvarez V, Fernandez IE, Tallquist M, Irmeler M, Beckers J, Eickelberg O, Stoleriu GM, Behr J, Kneidinger N, Wuyts WA, Wasnick RM, Yildirim AÖ, Ahlbrecht K, Morty RE, Samakovlis C, Theis FJ, Burgstaller G, Schiller HB. Sfrp1 inhibits lung fibroblast invasion during transition to injury-induced myofibroblasts. *Eur Respir J*. 2024 Feb 8;63(2):2301326. doi: 10.1183/13993003.01326-2023. PMID: 38212077; PMCID: PMC10850614.

Lang NJ, Gote-Schniering J, Porras-Gonzalez D, Yang L, De Sadeleer LJ, Jentsch RC, Shitov VA, Zhou S, Ansari M, Agami A, Mayr CH, Hooshar Kashani B, Chen Y, Heumos L, Pestoni JC, Molnar ES, Geeraerts E, Anquetil V, Saniere L, Wögrath M, **Gerckens M**, Lehmann M, Yildirim AÖ, Hatz R, Kneidinger N, Behr J, Wuyts WA, Stoleriu MG, Luecken MD, Theis FJ, Burgstaller G, Schiller HB. Ex vivo tissue perturbations coupled to single-cell RNA-seq reveal multilineage cell circuit dynamics in human lung fibrogenesis. *Sci Transl Med*. 2023 Dec 6;15(725):eadh0908. doi: 10.1126/scitranslmed.adh0908. Epub 2023 Dec 6. PMID: 38055803.

Burgstaller G, Oehrle B, **Gerckens M**, White ES, Schiller HB, Eickelberg O. The instructive extracellular matrix of the lung: basic composition and alterations in chronic lung disease. *Eur Respir J*. 2017 Jul 5;50(1):1601805. doi: 10.1183/13993003.01805-2016. PMID: 28679607.

Stoleriu MG, Ansari M, Strunz M, Schamberger A, Heydarian M, Ding Y, Voss C, Schneider JJ, **Gerckens M**, Burgstaller G, Castelblanco A, Kauke T, Fertmann J, Schneider C, Behr J, Lindner M, Stacher-Priehse E, Irmeler M, Beckers J, Eickelberg O, Schubert B, Hauck SM, Schmid O, Hatz RA, Stoeger T, Schiller HB, Hilgendorff A. COPD basal cells are primed towards secretory to multiciliated cell imbalance driving increased resilience to environmental stressors. *Thorax*. 2024 May 20;79(6):524-537. doi: 10.1136/thorax-2022-219958. PMID: 38286613; PMCID: PMC11137452.

Heinzelmann K, Lehmann M, **Gerckens M**, Noskovičová N, Frankenberger M, Lindner M, Hatz R, Behr J, Hilgendorff A, Königshoff M, Eickelberg O. Cell-surface phenotyping identifies CD36 and CD97 as novel markers of fibroblast quiescence in lung fibrosis. *Am J Physiol Lung Cell Mol Physiol*. 2018 Nov 1;315(5):L682-L696. doi: 10.1152/ajplung.00439.2017. Epub 2018 Jun 28. PMID: 29952218.