

Curriculum Vitae

Lena Wucherpennig PD Dr. med., MHBA
d.o.b. January 1st, 1992, in Göttingen, Germany

University Education

2025 Habilitation in Radiology (private lecturer/ associate professor), Ruprecht-Karls-University Heidelberg
2024 Board Certification in Radiology, Germany
2024 European Diploma in Radiology (EDiR), European Society of Radiology (ESR)
2023 Master of Health Business Administration (MHBA), Friedrich-Alexander-University Erlangen-Nuerenberg (grade 1.7)
2020 Doctorate in Medicine (summa cum laude), Friedrich-Schiller-University Jena
2011-2017 Studies in Medicine, Friedrich-Schiller-University Jena, Germany (grade 1)

Scientific Career

Since 2026 Senior Radiologist, Diagnostic and Interventional Radiology, University Hospital Heidelberg, Germany
Since 2025 Principal Investigator, German Center for Lung Research (DZL)
Since 2025 Representative for Teleradiology, Diagnostic and Interventional Radiology, University Hospital Heidelberg, Germany
Since 2025 Deputy Head of Section Pulmonary Imaging, Diagnostic and Interventional Radiology, University Hospital Heidelberg, Germany
2025-2026 Senior Radiologist (associate), Diagnostic and Interventional Radiology, University Hospital Heidelberg, Germany
2024-2025 Specialist in Radiology, Diagnostic and Interventional Radiology, University Hospital Heidelberg, Germany
Since 2023 DZL Academy Fellow Coordinator of the Platform Imaging
2019-2024 Residency in Radiology, Diagnostic and Interventional Radiology, University Hospital Heidelberg, Germany

Awards and Honors

2025 American Thoracic Society (ATS) Public Advisory Roundtable (PAR) Abstract Award at the ATS 2025 International Conference
2024, 2025 Career Development Scholarship, University of Heidelberg, Germany
2023 „Best Oral Presentation – Certificate of Merit” of the European Society of Thoracic Imaging (ESTI) annual meeting
2022-2023 Medical doctor program “Forschende für die Zukunft 2022/2023”, Deutsche Röntgengesellschaft (DRG), Germany
2018-2019 Doctoral scholarship, Interdisciplinary Center of Clinical Research (IZKF), University of Jena, Germany
2011 Price for the best Abitur (school) graduate, Duderstadt, Germany

Citation Record

Total citations: 266; h-index:7; h-index since 2021: 7 (Google Scholar March 9th, 2026)

Top-10 selected Publications

Wucherpennig L, Triphan SMF, Wege S, Kauczor HU, Heussel CP, Schmitt N, Wuennemann F, Mayer VL, Sommerburg O, Mall MA, Eichinger M, Wielpütz MO. Magnetic resonance imaging detects improvements of pulmonary and paranasal sinus abnormalities in response to elxacaftor/tezacaftor/ivacaftor therapy in adults with cystic fibrosis. **J Cyst Fibros.** 2022 Nov;21(6):1053-1060. doi: 10.1016/j.jcf.2022.03.011.

Wucherpfennig L, Wuennemann F, Eichinger M, Schmitt N, Seitz A, Baumann I, Stahl M, Graeber SY, Chung J, Schenk JP, Alrajab A, Kauczor HU, Mall MA, Sommerburg O, Wielpütz MO. Longitudinal MRI Detects Onset and Progression of Chronic Rhinosinusitis from Infancy to School Age in Cystic Fibrosis. **Ann Am Thorac Soc.** 2023 May;20(5):687-697. doi: 10.1513/AnnalsATS.202209-763OC.

Wucherpfennig L, Triphan SMF, Wege S, Kauczor HU, Heussel CP, Sommerburg O, Stahl M, Mall MA, Eichinger M, Wielpütz MO. Elexacaftor/Tezacaftor/Ivacaftor Improves Bronchial Artery Dilatation Detected by Magnetic Resonance Imaging in Patients with Cystic Fibrosis. **Ann Am Thorac Soc.** 2023 Nov;20(11):1595-160. doi: 10.1513/AnnalsATS.202302-168OC.

Wucherpfennig L, Wuennemann F, Eichinger M, Schmitt N, Seitz A, Baumann I, Roehmel JF, Stahl M, Hämmerling S, Chung J, Schenk JP, Alrajab A, Kauczor HU, Mall MA, Wielpütz MO, Sommerburg O. Magnetic Resonance Imaging of Pulmonary and Paranasal Sinus Abnormalities in Children with Primary Ciliary Dyskinesia Compared to Children with Cystic Fibrosis. **Ann Am Thorac Soc.** 2024 Mar;21(3):438-448. doi: 10.1513/AnnalsATS.202305-453OC.

Wucherpfennig L, Becker JKZ, Wuennemann F, Eichinger M, Seitz A, Baumann I, Stahl M, Graeber SY, Zhao S, Chung J, Schenk JP, Alrajab A, Kauczor HU, Mall MA, Sommerburg O, Wielpütz MO. Elexacaftor/tezacaftor/ivacaftor improves chronic rhinosinusitis detected by magnetic resonance imaging in children with cystic fibrosis on long-term therapy with lumacaftor/ivacaftor. **J Cyst Fibros.** 2024 Mar;23(2):234-241. doi: 10.1016/j.jcf.2024.01.004.

Wucherpfennig L, Triphan SM, Weinheimer O, Eichinger M, Wege S, Eberhardt R, Puderbach MU, Kauczor HU, Heussel CP, Heussel G, Wielpütz MO. Reproducibility of pulmonary magnetic resonance angiography in adults with muco-obstructive pulmonary disease. **Acta Radiol.** 2023 Mar;64(3):1038-1046. doi: 10.1177/02841851221111486.

Wucherpfennig L, Wuennemann F, Eichinger M, Seitz A, Baumann I, Stahl M, Graeber SY, Zhao S, Chung J, Schenk JP, Alrajab A, Kauczor HU, Mall MA, Sommerburg O, Wielpütz MO. Long-term effects of lumacaftor/ivacaftor on paranasal sinus abnormalities in children with cystic fibrosis detected with magnetic resonance imaging. **Front Pharmacol.** 2023 Apr 10;14:1161891. doi: 10.1016/j.jcf.2024.01.004.

Wielpütz MO, Stahl M, Triphan SMF, **Wucherpfennig L**, Leutz-Schmidt P, Gestewitz S, Steinke E, Graeber SY, Kauczor HU, Eichinger M, Puderbach MU, Alrajab A, Schenk JP, Sommerburg O, Mall MA. Longitudinal Magnetic Resonance Imaging of Changes in Lung Morphology and Perfusion in Children with Cystic Fibrosis From Infancy through Adolescence. **Ann Am Thorac Soc.** 2024 Sep 10. doi: 10.1513/AnnalsATS.202404-396OC.

Ringwald FG, **Wucherpfennig L**, Hagen N, Mücke J, Kaletta S, Eichinger M, Stahl M, Triphan SMF, Leutz-Schmidt P, Gestewitz S, Graeber SY, Kauczor H-U, Alrajab A, Schenk J-P, Sommerburg O, Mall MA, Knaup P, Wielpütz MO, Eisenmann U. Automated lung segmentation on chest MRI in children with cystic fibrosis. **Front. Med.**, 2024 November 11:1401473. doi: 10.3389/fmed.2024.1401473.

Leutz-Schmidt P, Grolig J, **Wucherpfennig L**, Sommerburg O, Eichinger M, Wege S, Graeber SY, Schenk J-P, Alrajab A, Kauczor H-U, Stahl M, Mall MA, Koeppe A, Nestler B, Selzer M, Triphan SMF, Wielpütz MO. Quantitative MRI detects delayed perfusion and impact of bronchial artery dilatation on pulmonary circulation in patients with cystic fibrosis. **Eur Radiol** (2025). <https://doi.org/10.1007/s00330-025-11589-y>.