

Curriculum Vitae

Wolfram Stiller PD, Dr. sc. hum., Dipl.-Phys. (Univ.)
d.o.b. December 22nd, 1976, in Kassel, Germany

University Education

2021 Habilitation in Medical Physics, Medical Faculty, Ruprecht-Karls-University Heidelberg
2008 Doctorate in Medical Physics/Biophysics, Medical Faculty, Ruprecht-Karls-University Heidelberg
2006–2007 Postgraduate studies “*Medical Physics for Physicists (DGMP)*”, Academy for Professional Scientific Development, University of Heidelberg
2000–2002 Graduate studies in Physics, Ludwig-Maximilians-University (LMU) Munich
1997–2000 Undergraduate/graduate studies in Physics, University of Kaiserslautern

Scientific Career

Since 2013 Principal Investigator (PI) of the “*Imaging*” platform, Translational Lung Research Center (TLRC) Heidelberg, Member of the German Center for Lung Research (DZL)
Since 2010 Senior Research Fellow and Section Head “*Physics & Methods*”, Diagnostic & Interventional Radiology (DIR), University of Heidelberg
2017–2022 Member of the “*Physics*” section of the “*Scientific Editorial Board*” of the radiological journal “*European Radiology*”
2016–2019 Member of the “*EuroSafe Imaging Steering Committee*” of the “*EuroSafe Imaging*” campaign, European Society of Radiology (ESR)
2016–2018 Member of the “*Radiation Protection Subcommittee*” within the “*Quality, Safety & Standards Committee*”, European Society of Radiology (ESR)
2014–2017 Official representative with regard to radiation protection research in radiology, European Society of Radiology (ESR)
2012–2017 Project Leader (PI) “*Innovative Imaging of Tissue Perfusion*” (R02), Transregional Collaborative Research Center SFB/TRR 125 “*Cognition-guided Surgery*”
2009–2012 Project Leader (PI) “*Reduction of Radiation Exposure Caused by Computed Tomography Examinations*” (02NUK008G), BMBF Collaboration Project “*Innovative Methods for the Optimization of Radiological Applications in Biomedical Imaging*”
2008–2010 Postdoctoral Research Fellow, Department of Radiology, German Cancer Research Center (DKFZ) Heidelberg
2004–2008 Postgraduate Research Fellow, Department of Medical Physics in Radiology, DKFZ
2003–2004 Postgraduate Research Fellow, ATLAS-MDT myon group, Max-Planck-Institute for Physics (Werner-Heisenberg-Institute) Munich

Awards and Honors

2013 “*Best Scientific Presentation Award*”, 3rd World Congress of Thoracic Imaging (WCTI)
2013 “*Young Investigator Scholarship*”, 3rd World Congress of Thoracic Imaging (WCTI)
2011 “*Trainee Research Prize*” in the category “*Physics/Fellow*”, Radiological Society of North America (RSNA)

Citation Record

Total citations: 5,303; h-index: 25; h-index since 2021: 9
(Web of Science™ Citation Report, Clarivate™, March 06th, 2026)

Top-10 selected Publications

Benke CV, Duerr J, Engel A, Dullin C, **Stiller W**, Horstmann H, Redenbach C, Ackermann M, Kauczor HU, Kuner T, Wielpütz MO, Mall MA, Wagner WL. High-resolution multimodal imaging reveals spatial and temporal heterogeneity of airway mucus plugging in mice with muco-obstructive lung disease. **Sci Rep** 2025; 15(1): 41760. doi: [10.1038/s41598-025-22537-7](https://doi.org/10.1038/s41598-025-22537-7).

Konietzke P, Thomä J, Weinheimer O, Do TD, Wagner WL, Bodenberger AL, **Stiller W**, Weber TF, Heußel CP, Kauczor HU, Wielpütz MO. Quantitative spectral computed tomography detects different patterns of airway wall thickening and contrast enhancement in infective lung disease: a feasibility study. **Eur Radiol** 2025; 35(12): 8164-75. doi: [10.1007/s00330-025-11752-5](https://doi.org/10.1007/s00330-025-11752-5).

Leitz DHW, Konietzke P, Wagner WL, Mertiny M, Benke C, Schneider T, Morty RE, Dullin C, **Stiller W**, Kauczor HU, Mall MA, Duerr J, Wielpütz MO. Longitudinal microcomputed tomography detects onset and progression of pulmonary fibrosis in conditional *Nedd4-2* deficient mice. **Am J Physiol Lung Cell Mol Physiol** 2024; 327(6): L917-29. doi: [10.1152/ajplung.00280.2023](https://doi.org/10.1152/ajplung.00280.2023).

Bodenberger AL, Konietzke P, Weinheimer O, Wagner WL, **Stiller W**, Weber TF, Heussel CP, Kauczor HU, Wielpütz MO. Quantification of airway wall contrast enhancement on virtual monoenergetic images from spectral computed tomography. **Eur Radiol** 2023; 33(8): 5557-67. doi: [10.1186/s13244-023-01471-0](https://doi.org/10.1186/s13244-023-01471-0).

Zhu L, Duerr J, Zhou-Suckow Z, Wagner W, Weinheimer O, Salomon J, Leitz D, Konietzke P, Yu H, Ackermann M, **Stiller W**, Kauczor HU, Mall MA, Wielpütz MO. μ CT to quantify muco-obstructive lung disease and effects of neutrophil elastase knockout in mice. **Am J Physiol Lung Cell Mol Physiol** 2022; 322(3): L401-11. doi: [10.1152/ajplung.00341.2021](https://doi.org/10.1152/ajplung.00341.2021).

Konietzke P, Steentoft HH, Wagner WL, Albers J, Dullin C, Skornitzke S, **Stiller W**, Weber TF, Kauczor HU, Wielpütz MO. Consolidated lung on contrast-enhanced chest CT: the use of spectral-detector computed tomography parameters in differentiating atelectasis and pneumonia. **Heliyon** 2021; 7(5): e07066. doi: [10.1016/j.heliyon.2021.e07066](https://doi.org/10.1016/j.heliyon.2021.e07066).

Wagner WL, Hellbach K, Fiedler MO, Salg GA, Wehrse E, Ziener CH, Merle U, Eckert C, Weber TF, **Stiller W**, Wielpütz MO, Dullin C, Kenngott HG, Schlemmer HP, Weigand MA, Schirmacher P, Longrich T, Kauczor HU, Kommos FKF, Schwab C. Mikrovaskuläre Veränderungen bei COVID-19 / [Microvascular changes in COVID-19]. **Radiologe** 2020; 60(10): 934-42. doi: [10.1007/s00117-020-00743-w](https://doi.org/10.1007/s00117-020-00743-w).

Leutz-Schmidt P, Wielpütz MO, Skornitzke S, Weinheimer O, Kauczor HU, Puderbach MU, Pahn G, **Stiller W**. Influence of acquisition settings and radiation exposure on CT lung densitometry – An anthropomorphic ex vivo phantom study. **PLoS One** 2020; 15(8): e0237434. doi: [10.1371/journal.pone.0237434](https://doi.org/10.1371/journal.pone.0237434).

Ackermann M, Stark H, Neubert L, Schubert S, Bochert P, Linz F, Wagner WL, **Stiller W**, Wielpütz M, Hofer A, Haverich A, Mentzer SJ, Shah HR, Welte T, Kuehnel M, Jonigk D. Morphomolecular motifs of pulmonary neoangiogenesis in interstitial lung diseases. **Eur Respir J** 2020; 55(3): 1900933. doi: [10.1183/13993003.00933-2019](https://doi.org/10.1183/13993003.00933-2019).

Wagner WL, Wünnemann F, Pacilé S, Albers J, Arfelli F, Dreossi D, Biederer J, Konietzke P, **Stiller W**, Wielpütz MO, Accardo A, Lotz J, Alves F, Kauczor HU, Tromba G, Dullin C. Towards synchrotron phase-contrast lung imaging in patients – a proof-of-concept study on porcine lungs in a human-scale chest phantom. **J Synchrotron Rad** 2018; 25(6): 1827-32. doi: [10.1107/S1600577518013401](https://doi.org/10.1107/S1600577518013401).