

Curriculum Vitae

Mark Oliver Wielpütz Professor Dr. med. MHBA
d.o.b. July 25th, 1982, in Cologne, Germany

University Education

2022 Diploma of the European Board of Interventional Radiology (EBIR)
2019 Associate Professor in Radiology, Ruprecht-Karls-University Heidelberg
2019 Master of Health Business Administration (MHBA), University Erlangen-Nuerenberg (grade 1,8)
2019 European Diploma in Thoracic Imaging
2016 Habilitation in Radiology (Privatdozent), Ruprecht-Karls-University Heidelberg
2015 European Diploma in Radiology (EDiR)
2014 Board Certification in Radiology, Germany
2009 Doctorate in Medicine (summa cum laude), University Erlangen-Nuerenberg
2002-2008 Studies in Medicine, Friedrich-Alexander-University Erlangen-Nuerenberg, Germany, and University of Sydney, Australia (grade 1.5)

Scientific Career

2017- Deputy Medical Director and Head of Section Pulmonary Imaging, Department of Diagnostic and Interventional Radiology, University Hospital of Heidelberg
01-03/2016 Visiting Research Fellow Kobe Postgraduate School of Medicine, Kobe, Japan (Host: Prof. Yoshiharu Ohno, MD PhD)
2014- Consultant and Head of Section Pulmonary Imaging, Department of Diagnostic and Interventional Radiology, University Hospital of Heidelberg
2013 Principal Investigator TLRC Heidelberg, German Center for Lung Research (DZL)
2012-2020 Head of Junior Research Group, Structural and Functional Airway Imaging, Translational Lung Research Center (TLRC) Heidelberg, German Center for Lung Research (DZL)
2009-2013 Residency in Radiology at the Department of the Diagnostic and Interventional Radiology, University Hospital of Heidelberg, German Cancer Research Center (dkfz) and Thoraxklinik at University of Heidelberg
08-10/2006 Guest Scientist, Department of Physiology, University of Sydney, Australia
2004-2008 Doctoral Student, Department of Physiology, University Erlangen-Nuerenberg

Awards and Honors

2022 Vertex Innovation Award
2022 Marie-Curie-Ring, 103. Deutscher Röntgenkongress, Wiesbaden
2022 Adolf-Windorfer-Preis, 55. Jahrestagung der Mukoviszidose Tagung, Weimar
2017 Award for Outstanding Abstract & Travel Award, Airway Vista 2017, Seoul, Südkorea
2017 Best Scientific Exhibition Award, IWPF 2017, Seoul, Südkorea
2016 Scientific Paper Award 1st AOWPFI & 6th JSPFI
2015 Exzellenzinitiative II, University of Heidelberg
2014 Travel Grant, Northern American Cystic Fibrosis Conference
2014 Christiane Herzog Research Award 2014, Mukoviszidose e.V.
2014 ECR 2014 Best Scientific Paper Award, European Society for Radiology, Vienna
2013 ESTI 2013 Travel Award, European Society for Thoracic Imaging, Seoul, South Korea
2013 WCTI 2013 Young Investigator Scholarship, Seoul, South Korea
2005 Leonardo Elite Kolleg, University of Erlangen-Nuremberg
2004 Sofie-Wallner-Award for Excellence in Pre-Exams, University of Erlangen-Nuremberg
2001 Book prize, Deutsche Physikalische Gesellschaft DPG, Essen

Citation Record

Total citations: 2,967; h-index: 32; h-index since 2017: 27 (Google Scholar August 1st, 2022)

Top-10 selected Publications

Wielpütz MO, Eichinger M, Zhou Z, Leotta K, Hirtz S, Bartling SH, Semmler W, Kauczor HU, Puderbach M, Mall MA. In vivo monitoring of cystic fibrosis-like lung disease in mice by volumetric computed tomography. **Eur Respir J** 2011; 38(5): 1060-1070. doi: 10.1183/09031936.00149810

Wielpütz MO, Puderbach M, Kopp-Schneider A, Stahl M, Fritzsching E, Sommerburg O, Ley S, Sumkauskaitė M, Biederer J, Kauczor HU, Eichinger M, Mall MA. Magnetic resonance imaging detects changes in structure and perfusion, and response to therapy in early cystic fibrosis lung disease. **Am J Respir Crit Care Med** 2014; 189(8): 956-965. doi: 10.1164/rccm.201309-1659OC

Stahl M*, **Wielpütz MO***, Graeber SY, Joachim C, Sommerburg O, Kauczor HU, Puderbach M, Eichinger M, Mall MA. Comparison of Lung Clearance Index and Magnetic Resonance Imaging for Assessment of Lung Disease in Children with Cystic Fibrosis. **Am J Respir Crit Care Med** 2017; 195(3): 349-359. doi: 10.1164/rccm.201604-0893OC * *shared first*

Wielpütz MO, von Stackelberg O, Stahl M, Jobst BJ, Eichinger M, Puderbach MU, Nahrlich L, Barth S, Schneider C, Kopp MV, Ricklefs I, Buchholz M, Tummler B, Dopfer C, Vogel-Claussen J, Kauczor HU, Mall MA. Multicentre standardisation of chest MRI as radiation-free outcome measure of lung disease in young children with cystic fibrosis. **J Cyst Fibros** 2018; 17(4): 518-527. doi: 10.1016/j.jcf.2018.05.003

Wielpütz MO, Lee HY, Koyama H, Yoshikawa T, Seki S, Kishida Y, Sakai Y, Kauczor HU, Sugimura K, Ohno Y. Morphological Characterization of Pulmonary Nodules With Ultrashort TE MRI at 3T. **AJR Am J Roentgenol** 2018: 1-10. doi: 10.2214/ajr.17.18961

Stahl M, **Wielpütz MO**, Ricklefs I, Dopfer C, Barth S, Schlegtendal A, Graeber SY, Sommerburg O, Diekmann G, Husing J, Koerner-Rettberg C, Nahrlich L, Dittrich AM, Kopp MV, Mall MA. Preventive Inhalation of Hypertonic Saline in Infants with Cystic Fibrosis (PRESIS). A Randomized, Double-Blind, Controlled Study. **Am J Respir Crit Care Med** 2019; 199(10): 1238-1248. doi: 10.1164/rccm.201807-1203OC

Wielpütz MO, Eichinger M, Wege S, Eberhardt R, Mall MA, Kauczor HU, Puderbach MU, Risse F, Heussel CP, Heussel G. Midterm Reproducibility of Chest Magnetic Resonance Imaging in Adults with Clinically Stable Cystic Fibrosis and Chronic Obstructive Pulmonary Disease. **Am J Respir Crit Care Med** 2019; 200(1): 103-107. doi: 10.1164/rccm.201812-2356LE

Stahl M, Steinke E, Graeber SY, Joachim C, Seitz C, Kauczor HU, Eichinger M, Hammerling S, Sommerburg O, **Wielpütz MO***, Mall MA. Magnetic Resonance Imaging Detects Progression of Lung Disease and Impact of Newborn Screening in Preschool Children with Cystic Fibrosis. **Am J Respir Crit Care Med** 2021; 204(8): 943-953. doi: 10.1164/rccm.202102-0278OC * *shared last*

Schiwek M, Triphan SMF, Biederer J, Weinheimer O, Eichinger M, Vogelmeier CF, Jorres RA, Kauczor HU, Heussel CP, Konietzke P, von Stackelberg O, Risse F, Jobst BJ, **Wielpütz MO**. Quantification of pulmonary perfusion abnormalities using DCE-MRI in COPD: comparison with quantitative CT and pulmonary function. **Eur Radiol** 2022; 32(3): 1879-1890. doi: 10.1007/s00330-021-08229-6

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 elexacaftor/tezacaftor/ivacaftor therapy in adults with cystic fibrosis. **J Cyst Fibros** 2022. doi: 10.1016/j.jcf.2022.03.011