

Curriculum Vitae

Jens Hohlfeld Professor, Dr. med.
d.o.b. October 13th, 1964, in Braunschweig, Germany

University Education

2000 Habilitation Internal Medicine, MHH
1991 Doctorate Medicine, MHH
1984–1991 Studies of Medicine, Hannover Medical School (MHH), Germany and University of Natal, Durban, South Africa

Scientific Career

Since 2017 Deputy Institute Director, Fraunhofer Institute for Toxicology and Experimental Medicine ITEM, Hannover, Germany
Since 2012 Professor of Airway Research and Aerosol Medicine (W3), Hannover Medical School and Division Director Airway Research, Fraunhofer Institute for Toxicology and Experimental Medicine ITEM, Hannover, Germany
Since 2012 Steering Committee Member, Biomedical Research in Obstructive and End Stage Lung Disease (BREATH), German Center for Lung Research, Hannover, Germany
2009-2010 Visiting Professor / Sabbatical, University of Virginia, Department of Radiology (Prof. deLange) and Allergy & Clinical Immunology (Prof. Platts-Mills), Charlottesville, USA
2006-2010 Deputy Head, Research Training Programm GRK 1441 “Regulation of the allergic inflammatory response in lung and skin”
2005-2012 Professor of Airway Research and Aerosol Medicine (W2), Hannover Medical School and Head of Department of Clinical Airway Research, Fraunhofer Institute for Toxicology and Experimental Medicine ITEM, Hannover, Germany
2004-2005 Associate Professor, Department of Respiratory Medicine, Hannover Medical School and Group leader Clinical Pneumology, Fraunhofer Institute for Toxicology and Experimental Medicine ITEM, Hannover, Germany
2001-2013 Deputy Head, Collaborative Research Center SFB 587 “Immune mechanisms of the lung in allergy and infection”
2000-2004 Assistant Professor, Department of Respiratory Medicine, Hannover Medical School and Group leader Clinical Pneumology, Fraunhofer Institute for Toxicology and Experimental Medicine ITEM, Hannover, Germany
1992-2000 Internship and Residencies; Department of Respiratory Medicine, Hannover Medical School, Germany
1991-1992 Research Fellow; Fraunhofer Institute for Toxicology and Aerosol Research, Hannover, Germany

Awards and Honors

2012-2017 Elected Member of the Fraunhofer Vintage-Class (Executive Management Program)
2025 Willi-Stahlhofen-Award of the International Society for Aerosols in Medicine

Citation Record

Total citations: 10,791; h-index: 54 (Scopus March 6th, 2026)

Top-10 selected Publications

Holz O, Sadiq MW, Gress C, Struß N, Stomilovic S, Lundqvist A, Hohlfeld JM. Assessing Human Lung Pharmacokinetics Using Exhaled Breath Particles. *J Aerosol Med Pulm Drug Deliv.* 2025 Feb;38(1):13-17.

Gauvreau GM*, Hohlfeld JM*, FitzGerald JM, Boulet LP, Cockcroft DW, Davis BE, Korn S, Kornmann O, Leigh R, Mayers I, Watz H, Grant SS, Jain M, Cabanski M, Pertel PE, Jones I, Lecot JR, Cao H, O'Byrne PM. Inhaled anti-TSLP antibody fragment, eclelimalab, blocks responses to allergen in mild asthma. *Eur Respir J.* 2023 Mar 9;61(3):2201193.

Vogel-Claussen J, Schönfeld CO, Kaireit TF, Voskrebenezv A, Czerner CP, Renne J, Tillmann HC, Berschneider K, Hiltl S, Bauersachs J, Welte T, Hohlfeld JM. Effect of Indacaterol/Glycopyrronium on Pulmonary Perfusion and Ventilation in Hyperinflated Patients with Chronic Obstructive Pulmonary Disease (CLAIM). A Double-Blind, Randomized, Crossover Trial. *Am J Respir Crit Care Med.* 2019 May 1;199(9):1086-1096. doi: 10.1164/rccm.201805-0995OC.

Hohlfeld JM, Vogel-Claussen J, Biller H, Berliner D, Berschneider K, Tillmann HC, Hiltl S, Bauersachs J, Welte T. Effect of lung deflation with indacaterol plus glycopyrronium on ventricular filling in patients with hyperinflation and COPD (CLAIM): a double-blind, randomised, crossover, placebo-controlled, single-centre trial. *Lancet Respir Med.* 2018 May;6(5):368-378. doi:10.1016/S2213-2600(18)30054-7.

Werfel T, Heratizadeh A, Niebuhr M, Kapp A, Roesner LM, Karch A, Erpenbeck VJ, Lösche C, Jung T, Krug N, Badorrek P, Hohlfeld JM. Exacerbation of atopic dermatitis on grass pollen exposure in an environmental challenge chamber. *J Allergy Clin Immunol.* 2015 Jul;136(1):96-103.e9. doi:10.1016/j.jaci.2015.04.015.

Krug N, Hohlfeld JM, Kirsten AM, Kornmann O, Beeh KM, Kappeler D, Korn S, Ignatenko S, Timmer W, Rogon C, Zeitvogel J, Zhang N, Bille J, Homburg U, Turowska A, Bachert C, Werfel T, Buhl R, Renz J, Garn H, Renz H. Allergen- induced asthmatic responses modified by a GATA3-specific DNAzyme. *N Engl J Med.* 2015 May 21;372(21):1987-95. doi: 10.1056/NEJMoa1411776.

Vogel-Claussen J, Renne J, Hinrichs J, Schönfeld C, Gutberlet M, Schaumann F, Winkler C, Faulenbach C, Krug N, Wacker FK, Hohlfeld JM. Quantification of pulmonary inflammation after segmental allergen challenge using turbo-inversion recovery-magnitude magnetic resonance imaging. *Am J Respir Crit Care Med.* 2014 Mar 15;189(6):650-7. doi: 10.1164/rccm.201310-1825OC.

Atochina-Vasserman EN, Winkler C, Abramova H, Schaumann F, Krug N, Gow AJ, Beers MF, Hohlfeld JM. Segmental allergen challenge alters multimeric structure and function of surfactant protein D in humans. *Am J Respir Crit Care Med.* 2011 Apr 1;183(7):856-64. doi: 10.1164/rccm.201004-0654OC.

Hohlfeld JM, Schmiedl A, Erpenbeck VJ, Venge P, Krug N. Eosinophil cationic protein alters pulmonary surfactant structure and function in asthma. *J Allergy Clin Immunol.* 2004 Mar;113(3):496-502. doi: 10.1016/j.jaci.2003.12.008.

Erpenbeck VJ, Hagenberg A, Dulkys Y, Elsner J, Bälder R, Krentel H, Discher M, Braun A, Krug N, Hohlfeld JM. Natural porcine surfactant augments airway inflammation after allergen challenge in patients with asthma. *Am J Respir Crit Care Med.* 2004 Mar 1;169(5):578-86. doi: 10.1164/rccm.200301-104OC.