

## Curriculum Vitae

**Gesine Hansen** Professor, Dr. med.  
d.o.b. October 08th, 1965, in Witten, Germany

### University Education

2001 Habilitation and Veni Legendi Pediatrics and Adolescent Medicine, MLU, Germany  
1992 Doctorate, Medicine (M.D.), Dep. Microbiology and Virology, Bochum, Germany  
1985–1992 Studies of Medicine and Philosophy, Bochum, Germany and  
Charing Cross & Westminster Medical School, London, UK

### Scientific Career

Since 2024 Member of the Executive Board, German Center for Lung Research (DZL)  
Since 2019 Co-Speaker, Cluster of Excellence 2155 RESIST, Resolving Infection Susceptibility,  
German Research Foundation (DFG)  
2019-2026 Speaker, Research Group for Clinician Scientists, TITUS, Else Kröner-Fresenius-Stiftung  
Since 2013 Member, management board BREATH, German Centre for Lung Research (DZL),  
Federal Ministry of Education and Research (BMBF)  
2009-2013 Speaker, Collaborative Research Centre (SFB) 587, Immune regulation of the lung in  
infection and allergy, DFG  
2008-2015 President, Society of Pediatric Pneumology (GPP)  
2008-2015 Executive Committee Member, Society of Pediatric Allergology  
2008-2013 Advisory Board Member, Program of Medical Genome Research (BMBF)  
Since 2007 Member of the Research Commission of Hanover Medical School (MHH)  
Since 2005 Chair, Center of Pediatrics and Adolescent Medicine, MHH  
Director Department of Pediatric Pneumology and Allergology, MHH  
Since 2005 Full Professor (W3) and Director of the Department of Pediatric Pneumology and  
Allergology, MHH  
2003-2005 Professor of Pediatrics (C3), Department of Pediatrics and Adolescent Medicine, MLU  
2001-2006 Head Research Group "Immunoregulatory mechanisms in allergy and asthma", BMBF  
1999-2003 Fellow and Senior Consultant, Center of Pediatrics and Adolescent Medicine, MLU  
1997-1999 Research Associate, Department of Immunology & Transplantation Biology, Stanford  
University, Stanford, CA, USA  
1993-1997 Internship and Residency, Department of Pediatrics, Düsseldorf University; Germany

### Awards and Honors

2020-2024 Appointed Committee Member Alexander von Humboldt Professorship  
2016-2024 Elected Panel Member of the Germany Research Foundation (DFG)  
2013 Election to the German Academy of Natural Sciences Leopoldina  
2013 Eva Luisa Köhler Research Award for Rare Diseases, Köhler Foundation  
2007 Karl-Hansen-Award, German Society for Allergy and Clinical Immunology  
2003 International Allergy Research Award, Vancouver, Canada  
2002 Wilhelm-Roux-Research Award, MLU, Germany  
2002 Adalbert-Czerny-Award, Society of Pediatric and Adolescent Medicine  
2001 Johannes Wenner Award, International Society of Pediatric Pneumology  
2001 Arthur Schlossmann Award, Society of Pediatric and Adolescent Medicine  
2000 International Young Investigator Award, Int. Society of Pediatric Pneumology  
1997-1999 Research Fellowship, German Research Foundation, Stanford University, CA, USA

### Citation Record

Total citations: 10343; h-index: 50; h-index since 2019: 34 (Google Scholar June 13<sup>th</sup>, 2024)

## Top-10 selected Publications

Sake SM, Zhang XY, Rajak MK., Urbanek-Quaing M, Carpentier A, Gunesch AP, Grethe C, Matthaei A, Rückert J, Galloux M, Larcher T, Goffic R Le, Hontonnou F, Chatterjee AK, Johnson K, Morwood K, Rox K, Elgaher WAM, Huang JB, Wetzke M, **Hansen G**, Fischer N, Eléouët JF, Rameix-Welti MA, Hirsch AKH, Herold E, Empting M, Lauber C, Schulz TF, Krey T, Haid S, and Pietschmann T. 2024. Drug repurposing screen identifies lonafarnib as respiratory syncytial virus fusion protein inhibitor. **Nature Communications** 15. doi: [ARTN 1173 10.1038/s41467-024-45241-y](https://doi.org/10.1038/s41467-024-45241-y).

Grychtol R, Riemann L, Gaedcke S, Liu B, DeLuca D, Forster R, Maison N, Thiele D, Jakobs N, Bahmer T, Meyer M, Foth S, Weber S, Rietschel E, Rabe KF, Kopp MV, von Mutius E, Dittrich AM, **Hansen G**. Validation of the Asthma Severity Scoring System (ASSESS) in the ALLIANCE Cohort. **J Allergy Clin Immunol** 2023. 151: 1525-1535 e1524. doi: [10.1016/j.jaci.2023.01.027](https://doi.org/10.1016/j.jaci.2023.01.027).

Habener A, Grychtol R, Gaedcke S, DeLuca D, Dittrich AM, Happle C, Abdo M, Watz H, Pedersen F, König IR, Thiele D, Kopp MV, von Mutius E, Bahmer T, Rabe KF, Meyer-Bahlburg A, **Hansen G**. Research AsgaptopGCfL. IgA(+) memory B cells are significantly increased in patients with asthma and small airways dysfunction. **Eur Respir J** 2022. doi:[10.1183/13993003.02130-2021](https://doi.org/10.1183/13993003.02130-2021).

Habener A, Happle C, Grychtol R, Skuljec J, Busse M, Daluge K, Obernolte H, Sewald K, Braun A, Meyer-Bahlburg A, **Hansen G**. Regulatory B cells control airway hyperreactivity and lung remodeling in a murine asthma model. **J Allergy Clin Immunol** 2021. 147:2281-2294 e2287. doi: [10.1016/j.jaci.2020.09.041](https://doi.org/10.1016/j.jaci.2020.09.041).

Happle C, Jirno A C, Meyer-Bahlburg A, Habener A, Hoymann HG, Hennig C, Skuljec J and **Hansen G**. B cells control maternofetal priming of allergy and tolerance in a murine model of allergic airway inflammation. **J Allergy Clin Immunol** 2018. 141: 685-696 e686. doi: [10.1016/j.jaci.2017.03.051](https://doi.org/10.1016/j.jaci.2017.03.051).

Happle C, Lachmann N, Ackermann M, Mirenska A, Gohring G, Thomay K, Mucci A, Hetzel M, Glomb T, Suzuki T, Chalk C, Glage S, Dittrich-Breiholz O, Trapnell B, Moritz T and **Hansen G**. Pulmonary Transplantation of Human Induced Pluripotent Stem Cell-derived Macrophages Ameliorates Pulmonary Alveolar Proteinosis. **Am J Respir Crit Care Med** 2018. 198: 350-360. doi: [10.1164/rccm.201708-1562OC](https://doi.org/10.1164/rccm.201708-1562OC).

Thome UH, Genzel-Boroviczeny O, Bohnhorst B, Schmid M, Fuchs H, Rohde O, Avenarius S, Topf HG, Zimmermann A, Faas D, Timme K, Kleinlein B, Buxmann H, Schenk W, Segerer H, Teig N, Gebauer C, Hentschel R, Heckmann M, Schlosser R, Peters J, Rossi R, Rascher W, Bottger R, Seidenberg J, **Hansen G**, Zernickel M, Alzen G, Dreyhaupt J, Muche R, Hummler HD and Group PS. Permissive hypercapnia in extremely low birthweight infants (PHELBI): a randomised controlled multicentre trial. **Lancet Respir Med** 2015. 3: 534-543. doi: [10.1016/S2213-2600\(15\)00204-0](https://doi.org/10.1016/S2213-2600(15)00204-0).

Happle C, Lachmann N, Skuljec J, Wetzke M, Ackermann M, Brennig S, Mucci A, Jirno AC, Groos S, Mirenska A, Hennig C, Rodt T, Bankstahl JP, Schwerk N, Moritz T, **Hansen G**. Pulmonary transplantation of macrophage progenitors as effective and long-lasting therapy for hereditary pulmonary alveolar proteinosis. **Science Transl Med** 2014. 6: 250ra113. doi: [10.1126/scitranslmed.3009750](https://doi.org/10.1126/scitranslmed.3009750).

Lachmann N\*, Happle C\*, Ackermann M, Luttge D, Wetzke M, Merkert S, Hetzel M, Kensah G, Jara-Avaca M, Mucci A, Skuljec J, Dittrich AM, Pfaff N, Brennig S, Schambach A, Steinemann D, Gohring G, Cantz T, Martin U, Schwerk N, **Hansen G\***, Moritz T\* (\*equal contribution). Gene correction of human induced pluripotent stem cells repairs the cellular phenotype in pulmonary alveolar proteinosis. **Am J Respir Crit Care Med** 2014. 189: 167-182. doi: [10.1164/rccm.201306-1012OC](https://doi.org/10.1164/rccm.201306-1012OC).

Dijkstra D, Hennig C, Witte T, **Hansen G**. Basophils from humans with systemic lupus erythematosus do not express MHC-II. **Nature Medicine** 2012. 18: 488-489; 489-490. doi: [10.1038/nm.2663](https://doi.org/10.1038/nm.2663).