

Curriculum Vitae

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

University Education

2001 Habilitation and Veni Legendi in Pediatrics, Halle University (MLU), Germany
1992 Doctorate Medicine, Dep. of Microbiology & Virology, Bochum University, Germany
1985–1992 Study of Medicine and Philosophy, Bochum University, Germany and
Charing Cross & Westminster Medical School London, UK

Scientific Career

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, International 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
2003-2005 Professor of Pediatrics (C3), Department of Pediatrics, MLU
2001-2006 Head Research Group “Immunoregulatory mechanisms in allergy and asthma”, BMBF
1999-2003 Fellow and Senior Consultant (Oberärztin), Center of Pediatrics, 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 Elected 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

Citation Record

Total citations: 8180; h-index: 45; h-index since 2017: 33 (Google Scholar September 27th, 2022)

Top-10 selected Publications

Habener A, Grychtol R, Gaedcke S, DeLuca D, Dittrich AM, Happle C, Abdo M, Watz H, Pedersen F, Konig IR, Thiele D, Kopp MV, von Mutius E, Bahmer T, Rabe KF, Meyer-Bahlburg A, **Hansen G**. Research AsgapotGCfL. 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).

Sorg AL, Bergfeld L, Jank M, Corman V, Semmler I, Goertz A, Beyerlein A, Verjans E, Wagner N, Von Bernuth H, Lander F, Weil K, Hufnagel M, Spiekerkoetter U, Chao CM, Naehrlich L, Muntau AC, Schulze-Sturm U, **Hansen G**, Wetzke M, Jung AM, Niehues T, Fricke-Otto S, Von Both U, Huebner J, Behrends U, Liese JG, Schwerk C, Drosten C, Von Kries R, Schrotten H. Cross-sectional seroprevalence surveys of SARS-CoV-2 antibodies in children in Germany, June 2020 to May 2021. **Nat Commun** 2022. 13:3128. doi: [10.1038/s41467-022-30482-6](https://doi.org/10.1038/s41467-022-30482-6).

Graeber SY, Renz DM, Stahl M, Pallenberg ST, Sommerburg O, Naehrlich L, Berges J, Dohna M, Ringshausen FC, Doellinger F, Vitzthum C, Rohmel J, Allomba C, Hammerling S, Barth S, Ruckes-Nilges C, Wielputz MO, **Hansen G**, Vogel-Claussen J, Tummler B, Mall MA, Dittrich AM. Effects of Elexacaftor/Tezacaftor/Ivacaftor Therapy on Lung Clearance Index and Magnetic Resonance Imaging in Patients with Cystic Fibrosis and One or Two F508del Alleles. **Am J Respir Crit Care Med** 2022. doi:[10.1164/rccm.202201-0219OC](https://doi.org/10.1164/rccm.202201-0219OC).

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, Jirmo 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, Brenning S, Mucci A, Jirmo 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, Brenning 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).