

Curriculum Vitae

Christine Happle Prof. Dr. med., PhD, MHBA; d.o.b. January 27th, 1980, in Münster, Germany; Position: Senior Physician/Attending & Research Group Leader, Paediatric Pulmonology, Allergology & Immunology, Hannover Medical School (MHH), happle.christine@mh-hannover.de

University Education

1999–2006	Studies of Human Medicine, Universities of Leipzig, Freiburg, Munich (TUM), Sydney (Australia), Mendoza (Argentina), Amsterdam (Netherlands)
2006	State Medical Examination (Ärztliche Prüfung), Technical University Munich
2009	MD (Doctor medicinae), Technical University Munich
2010–2014	PhD Molecular Medicine, Hannover Biomedical Research School (HBRS)
2014	PhD (Doctor of Philosophy)
2019	Habilitation (venia legendi) Paediatrics, Hannover Medical School
2019–2021	"Professional Leadership in Science", Centre for Science Management, Speyer
2020–2022	Master of Health Business Administration (MHBA), FAU Erlangen-Nuremberg
2021	Adjunct Professorship Paediatrics, Hannover Medical School
2025–2026	"Leading AI Innovation in Health Care", Harvard Medical School, Boston, USA

Scientific Career

2020–pres.	Research Group Leader, Airway Immunology, Dept. Paediatric Pulmonology & Allergology, Hannover Medical School
2023	W3 Professorship General Paediatrics (incl. Department Chair), University of Heidelberg/Mannheim - stayed in Hannover
2022–pres.	Senior Physician/Attending, Dept. Paediatric Pulmonology, Allergology & Neonatology, Hannover Medical School
2016–pres.	Principal Investigator, German Centre for Lung Research (DZL), Disease Area Asthma & Allergies, Site Hannover BREATH
2021–pres.	Member, BREATH Young Leaders Steering Committee, DZL Hannover
2022–pres.	Co-Speaker, NextGeneration Medical Scientist Kolleg (Else Kröner-Fresenius, total 1M €)
2022–pres.	Reviewer, Else Kröner-Fresenius Foundation; scientific societies incl. GPP (German Society for Paediatric Pulmonology)
2022–2024	Head, Paediatric Emergency Medicine, Hannover Medical School
2022–2024	Quality Management Officer, Dept. Paediatric Pulmonology & Allergology
2021	Professorship Paediatrics, Hannover Medical School
2020	W2 Professorship Translational Immunology, Rhein. Friedrich-Wilhelms-Univ. Bonn – declined
2019–2024	Director, Interdisciplinary Paediatric Morbidity & Mortality Conference, MHH
2015–2020	Laboratory Director, Research Group "Allergy & Tolerance", Prof. G. Hansen, MHH
2018–2020	Young Academy Clinician/Scientist Programme, MHH – Speaker, 4th cohort
2016–2022	Secretary for Science, German Society for Paediatric Pulmonology (GPP)

Clinical Training & Certifications

2006–2016	Residency Paediatrics, Hannover Medical School (interrupted for research periods)
2016	Board Certification in Paediatrics (Fachärztin für Kinder- und Jugendmedizin)
2018–pres.	Advanced training in Emergency Medicine
2022	Sub-speciality: Paediatric Pulmonology
2022	Sub-speciality: Paediatric Allergology

Awards and Honors

2024	Outstanding Special Issue Award, Int J Environ Res Public Health (IJERPH) – "Health Care Needs of Migrants"
2017	Johannes Wenner Research Prize
2015	Clinical Research Prize, German Society for Pneumology (DGP)
2014	Best PhD Thesis Award, Hannover Biomedical Research School
2013	Eva Luise Köhler Prize for Rare Diseases (shared; group award)
2010–2011	PhD Scholarship, Hannover Biomedical Research School

Selected Peer-Reviewed Funding (Role: PI or co-PI)

2022–2023	ErgoLoCo – Digital interventions in Long COVID (BMBF/DLR; co-PI)
2022–current	Patient involvement campaign, DZL/BMBF (PI)
2021–2023	RESIST – Paediatric infection research (DFG/Cluster; group leader)
2017–2023	Macrophage persistence & immunomodulation in the lung (Deutsche Lungenstiftung; PI)
2017–2020	Monocyte/macrophage immunity in severe RSV bronchiolitis – Young Academy Helmholtz/MHH
2016–2017	GM-CSF and neonatal host defence against RSV (MHH internal; PI)
2023–pres.	NextGeneration MedScientist Kolleg, Else Kröner-Fresenius Foundation (co-Speaker)

Societal Engagement & Philanthropy

2025–pres.	Co-Founder & Chair, HealthEducation4All e.V. – NGO for evidence-based health education
2022–pres.	Scientists for Future (S4F) – local working group, Hannover
2015–pres.	Voluntary medical work, Malteser Hilfsdienst (e.g. migration crisis, vaccination centres)

Selected Publications

Happle C, Hoffmann M, Stankov MV, Nehlmeier I, Eichmann A, Witte T, Manthey L, Pöhlmann S, Dopfer-Jablonka A, Behrens GMN. Effects of LP.8.1-adapted mRNA vaccination on SARS-CoV-2 variant neutralisation. *Lancet Infect Dis.* 2026;26(1):e3-e5. PMID:41285142.

Happle C, Hoffmann M, Kempf A, Nehlmeier I, Stankov MV, Calderon Hampel N, Witte T, Pöhlmann S, Behrens GMN, Dopfer-Jablonka A. Humoral immunity after mRNA SARS-CoV-2 omicron JN.1 vaccination. *Lancet Infect Dis.* 2024;24(11):e674-e676. PMID:39341219.

Maison N, Omony J, Illi S, Thiele D, Skevaki C, Dittrich AM, Bahmer T, Rabe KF, Weckmann M, **Happle C**, ... Grychtol R; ALLIANCE Study Group. T2-high asthma phenotypes across life span. *Eur Respir J.* 2022;59(5):2102288. PMID:35210326.

Zychlinsky Scharff A, Jablonka A, **Happle C**. Journals – women's marital status is none of your business. *Nature.* 2021;589(7842):352. doi:10.1038/d41586-021-00109-9. PMID:33469235.

Happle C*, Lachmann N*, Ackermann M, ... Hansen G. Pulmonary transplantation of human iPSC-derived macrophages ameliorates Pulmonary Alveolar Proteinosis. *Am J Respir Crit Care Med.* 2018;198(3):350-360. PMID:29652170.

Habener A, Grychtol R, Gaedcke S, ... **Happle C**, ... Meyer-Bahlburg A, Hansen G; ALLIANCE study group. IgA+ memory B cells are significantly increased in patients with asthma and small airways dysfunction. *Eur Respir J.* 2022;59(6):2102130. PMID:35595320.

Happle C, Jirno AC, Meyer-Bahlburg A, Habener A, ... 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(2):685-696. PMID:28601684.

Lachmann N*, **Happle C***, Ackermann M, ... Moritz T. Gene correction of human induced pluripotent stem cells repairs the cellular phenotype in Pulmonary Alveolar Proteinosis. *Am J Respir Crit Care Med.* 2014;189(2):167-82. PMID:24279725.

Happle C, Lachmann N*, ... Moritz T, Hansen G. Pulmonary transplantation of macrophage progenitors as effective and long-lasting therapy for hereditary Pulmonary Alveolar Proteinosis. *Sci Transl Med.* 2014;6(250):250ra113. PMID:25143363.

Pfeufer A, ... **Happle C**, ... Chakravarti A. Common variants at ten loci modulate the QT interval duration in the QTSCD Study. *Nat Genet.* 2009;41(4):407-14. PMID:19305409.