

Curriculum Vitae

Karoline I. Gaede PD Dr. rer. nat

University Education

2004 Habilitation Internal Medicine, JLU
1992 Doctorate Medicine, JLU
1987 Studies of Biology, Diploma, Medical Parasitology, University of Marburg

Scientific Career

1988 – 1989 Research Associate, Institute of Hygiene and Microbiology, Medical Center Hamburg-Eppendorf (UKE), University of Hamburg
1989 – 1992 Research Associate, Institute of Hygiene and Microbiology, University of Würzburg
1992 – 1995 Postdoctoral Fellow, Institute of Hygiene and Microbiology, University of Würzburg
1995 - 2012 Postdoctoral Fellow, Research Center Borstel, Leibniz Lung Center (FZB)
2007 – 2014 Project Management, Susceptibility to Infections: Tuberculosis – TB or Not TB, Research Center Borstel, Leibniz Lung Center (FZB),
since 2012 Head, BioMaterialBank Nord – BMB Nord

Awards, Offices, and Roles

since 2024 Spokesperson for the TMF Biobanks Working Group
2024 Conference Chair, 12th National Biobank Symposium 2024, Networked Biobanking: Stronger Together for the Future, Berlin
2024 Coordinator, DZG Biobanking Working Group
2018 Conference Chair, 10th TMF Annual Congress: Research Meets Clinical Practice: TMF Supports Digitalization in Medicine, Hamburg
since 2014 Staff member, DIN Technical Committee on Health Technologies (NAGesuTech), NA 176-09-02-02 Working Group “Biobanks/Bioresources”
2014 - 2024 Board of Directors, Technology and Methods Platform for Networked Medical Research, Inc. – TMF
since 20 Coordinator, DZL Platform for Biobanking & Data Management/Data Warehouse
since 2012 Principal Investigator, German Center for Lung Research - DZL
since 2012 Member, Cluster of Excellence “Inflammation at Interfaces” and “Precision Medicine in Chronic Inflammation - PMI”
since 2011 Member, PopGen 2.0 Network - P2N
2009 – 2013 Principal Investigator, ‘German Network of Diffuse Parenchymal Lung Diseases’ - GOLDnet
2007 - 2012 Expert on the “S3 Guidelines Group on ‘Health Monitoring for Beryllium Exposure and Diagnostic Procedures for Beryllium-Associated Diseases’”

Citation Record

Total citations: 4235 (Google Scholar); *h-index*: 33; *h-index since 2021*: 21 (Google Scholar April 8th, 2026)

Top-10 selected Publications

Valentonyte R, Hampe J, Huse K, Rosenstiel P, Albrecht M, Stenzel A, Nagy M, **Gaede, KI**; Franke A, Haesler R. Sarcoidosis is associated with a truncating splice site mutation in BTNL2, Nature genetics,37,4,357-364,2005, Nature Publishing Group US New York.
<https://doi.org/10.1038/ng1519>

COVID-19 Host Genetics Initiative. Mapping the human genetic architecture of COVID-19. Nature volume 600, pages 472–477 (2021). <https://doi.org/10.1038/s41586-021-03767-x>

Hofmann Franke A, Fischer A, Jacobs G, Nothnagel M, **Gaede KI**, Schürmann M, Müller-Quernheim J, Krawczak M, Rosenstiel P. Genome-wide association study identifies ANXA11 as a new susceptibility locus for sarcoidosis, Nature genetics,40,9,1103-1106,2008,Nature Publishing Group US New York. <https://doi.org/10.1038/ng.198>

Schupp JC, Freitag-Wolf S, Bargagli E, Mihailović-Vučinić V, Rottoli P, Grubanovic A, Müller A, Jochens A, Tittmann L, Schnerch J, . . . **Gaede KI**, Schreiber S, Krawczak M, Müller-Quernheim J. 43 Phenotypes of organ involvement in sarcoidosis, European Respiratory Journal,51,1, 2018, European Respiratory Society. <https://doi.org/10.1183/13993003.00991-2017>

Müller-Quernheim J, **Gaede KI**, Fireman E, Zissel G. Diagnoses of chronic beryllium disease within cohorts of sarcoidosis patients, European Respiratory Journal,27,6,1190-1195,2006,European Respiratory Society. <https://doi.org/10.1183/09031936.06.00112205>

COVID-19 Host Genetics Initiative. A second update on mapping the human genetic architecture of COVID-19. Nature. 2023 Sep;621(7977):E7-E26.
<https://doi.org/10.1038/s41586-023-06355-3>

Heesemann J, **Gaede KI**, Autenrieth IB. Experimental Yersinia enterocolitica infection in rodents: a model for human yersiniosis, Apmis,101,1-6,417-429,1993, Blackwell Publishing Ltd Oxford, UK

Degenhardt F, Ellinghaus D, Juzenas S, Lerga-Jaso J, Wendorff M, Maya-Miles D, Uellendahl-Werth F, ElAbd H, Rühlemann MC, Arora J . . . **Gaede KI** . . . , Franke A. Detailed stratified GWAS analysis for severe COVID-19 in four European populations, Human molecular genetics,31,23,3945-3966,2022,Oxford University Press.
<https://doi.org/10.1093/hmg/ddac158>

Maison N, Omony J, Illi S, Thiele D, Skevaki C, Dittrich AM, Bahmer T, Rabe KF, Weckmann M, Happle C, **ALLIANCE Study Group.** T2-high asthma phenotypes across lifespan, European respiratory journal,60,3, 2022, European Respiratory Society.
<https://doi.org/10.1183/13993003.02288-2021>

Müller-Quernheim J, Schürmann M, Hofmann S, **Gaede KI**, Fischer A, Prasse A, Zissel G, Schreiber S. Genetics of sarcoidosis,Clinics in chest medicine,29,3,391-414,2008, Elsevier.
<https://doi.org/10.1016/j.ccm.2008.03.007>