

## Curriculum Vitae

**Karoline I. Gaede** PD Dr. rer. nat  
born in Kiel, Germany

### University Education

2004 Habilitation Internal Medicine, University of Lübeck  
1992 Doctorate Medicine, University of Marburg  
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 8<sup>th</sup>, 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>