

DZL PI - Curriculum Vitae

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University Education

2004 Habilitation, Cell Biology and Immunology, University of Lübeck, Germany
1992 Ph. D. Thesis, University of Würzburg, Dept. of Hygiene & Microbiology, Germany
1987 Diploma Thesis, University of Marburg, Germany, Dept. of Medical Parasitology
1981 – 1987 Studies of biology at University of Marburg, Germany

Scientific Career

2016 -2021 Head of clinical laboratory, Medical Hospital, Reserach Center Borstel
since 2011 Head, BioMaterialBank Nord, Reserach Center Borstel
Member, PopGen 2.0 Network (P2N)
2007 – 2014 Project Manager of BMBF funded network 'Susceptibility to Infections: Tuberculosis' (TB or not TB)
1995 - 2011 Senior Scientist, Project Leader, Assistant Professor, Reserach Center Borstel, Leibniz-Center for Medicine and Biosciences, Dept. of Pneumology, Germany
1992 – 1995 Postdoc, University of Würzburg, Dept. of Hygiene & Microbiology, Germany
1989 – 1992 Scientific Assistant, University of Würzburg, Dept. of Hygiene & Microbiology, Germany
1988 - 1989 Scientific Assistant, University of Hamburg, Dept. of Microbiology & Immunology, Germany

Selected 3rd party funding

since 2012 DZL Platform Biobanking and Data management, ARCN, BioMaterialBank North (since DZL 1.0)
2017 – 2021 DZL Clinical Trial shared funding with Gaede, KI, Rabe, K. F., Welte, T., Herth, F. J. F. & König, I. R: Evaluation of non-invasive pursed-lip breathing ventilation (PLBV) in advanced COPD. (FKZ 82DZLN21A1: 362 000 €)
2009 – 2013 'German Network of Diffuse Parenchymal Lung Diseases' (GOLDnet): Project: New diagnostic approaches and identification of phenotype-associated molecular differences between sarcoidosis and chronic berylliosis (BMBF)
2012 - 2016 PopGen 2.0 network shared with Peter Zabel (BMBF)
2016 – 2019 Investigations on the influence of decentralized structures of biobanks on the quality of biosamples. (DFG GA 2379/1-1: 88.750 €)

Selected Professional Activities and Memberships

2024 Conference President and Member of the program committee of the 12th National Biobank-Symposium 2024
since 2024 Co-Chair of the TMF working group biobanking (German organization for networked medical research)
since 2020 BioMaterialBank North is Observer Biobank of German Biobank Alliance (GBA)
since 2019 Co-Chair of DZL Platform Biobanking and Data management/Data Warehouse
since 2019 Deputy Ombudsperson of Research Center Borstel

2018	Conference President of 10. TMF-Jahreskongress: Digitalisierung in der Medizin - Chancen für Forschung und Versorgung
since 2014	Expert in DIN - NA 057-06-02-02 AK 'Biobanken/ Bioressourcen'
2014 - 2024	Member of Board of Directors of the TMF (German organization for networked medical research)
since 2012	Principal investigator, German Center for Lung Research (DZL)
2009 – 2013	Principal investigator, 'German Network of Diffuse Parenchymal Lung Diseases' (GOLDnet)
since 2007	Member of Cluster of Excellence 'Inflammation at Interfaces' and 'Precision Medicine in Chronic Inflammation (PMI)'
2007 - 2012	Expert, S3 guideline group ("S3-Leitliniengruppe zum Thema 'Gesundheitsüberwachung bei Beryllium-Exposition und diagnostisches Vorgehen bei Beryllium-assoziiierter Erkrankung")

Ten key publications

1. Lieb W, . . . **Gaede KI**, . . . Krawczak M. Population-Based Biobanking. *Genes* (Basel). 2024 Jan 3;15(1):66. doi: 10.3390/genes15010066.
2. Carow B, . . . **Gaede KI**, . . . Rottenberg ME. Immune mapping of human tuberculosis and sarcoidosis lung granulomas. *Front Immunol*. 2024 Feb 7;14:1332733. doi: 10.3389/fimmu.2023.1332733.
3. Chen J, . . . **Gaede KI**, . . . Meiners S. Antiviral CD8+ T-cell immune responses are impaired by cigarette smoke and in COPD. *Eur Respir J*. 2023 Aug 3;62(2):2201374. doi: 10.1183/13993003.01374-2022.
4. Vierbuchen T, . . . **Gaede KI**, . . . Fitzgerald KA. The lncRNA LUCAT1 is elevated in inflammatory disease and restrains inflammation by regulating the splicing and stability of NR4A2. *Proc Natl Acad Sci U S A*. 2023 Jan 3;120(1):e2213715120. doi: 10.1073/pnas.2213715120.
5. Freitag-Wolf S, . . . **Gaede KI**, . . . Müller-Quernheim J. Genetic and geographic influence on phenotypic variation in European sarcoidosis patients. *J. Front Med (Lausanne)*. 2023 Aug 9;10:1218106. doi: 10.3389/fmed.2023.1218106.
6. Pfeiffer S, . . . **Gaede KI**, . . . Schloter M. Different responses of the oral, nasal and lung microbiomes to cigarette smoke. *Thorax*. 2022 Feb;77(2):191-195. doi: 10.1136/thoraxjnl-2020-216153.
7. Tran F, . . . **Gaede KI**, . . . Schreiber S. Increased protease-activated receptor 1 autoantibodies are associated with severe COVID-19. *ERJ Open Res*. 2022 Dec 27;8(4):00379-2022. doi: 10.1183/23120541.00379-2022.
8. Brandenburg J, . . . **Gaede KI**, . . . Schwudke D. Tuberculostearic Acid-Containing Phosphatidylinositols as Markers of Bacterial Burden in Tuberculosis. *ACS Infect Dis*. 2022 Jul 8;8(7):1303-1315. doi: 10.1021/acsinfectdis.2c00075.
9. Frye BC, **Gaede KI**, . . . Müller-Quernheim J. Analysis of single nucleotide polymorphisms in chronic beryllium disease. *Respir Res*. 2021 Apr 16;22(1):107. doi: 10.1186/s12931-021-01691-2.
10. Schupp JC, . . . **Gaede KI**, . . . Müller-Quernheim J. Phenotypes of organ involvement in sarcoidosis. *Eur Respir J*. 2018 Jan 25;51(1):1700991. doi: 10.1183/13993003.00991-2017.