Curriculum Vitae

Susanne Häußler Professor, Dr. med.
d.o.b. April 05th, 1968, in Mainz, Germany

University Education

2005	Habilitation Medical Microbiology and Infection Epidemiology, Hannover Medical School (MHH)
1995	Doctorate Human Medicine, MHH
1987–1994	Studies of Human Medicine, MHH

Scientific Career

2024-2025	Member of the Public Health Working Group of the German Medical Association
Since 2021	Steering Committee Member for the National Research Programme "Anti-RESIST" of the Swiss National Science Foundation (SNSF), Switzerland
2020-2023	Associate Editor for Nature Biofilms and Microbiomes
Since 2019	Project leader of a Novo Nordisk Foundation Laureate Grant at the Rigshospialet, Copenhagen, Denmark
2019-2025	Member of the Scientific Advisory Board of the Bavarian Research Network bayresq.net, Bavarian State Ministry of Science and Arts
2016-2025	Member of the Scientific Advisory Council of the German Medical Association (Bundesärztekammer)
2016-2023	Steering Committee Member for the National Research Programme "Antimicrobial Resistance" of the Swiss National Science Foundation (SNSF), Switzerland
Since 2014	Member of the Scientific Advisory Board of the Excellence Cluster RESIST, MHH
2013-2019	Board Member, NIFE (Lower Saxony Centre for Biomedical Engineering, Implant Research and Development), Hannover
2012-2016	Chair of the Scientific Collegium at the HZI, Braunschweig
Since 2012	Full Professor (W3) at the TWINCORE – Center for Experimental and Clinical Infection Research and Head of the Department Molecular Bacteriology at the Helmholtz Centre for Infection Research (HZI), Braunschweig
2009-2024	Co-organization of the American Society for Microbiology (ASM) Biofilm Congress
2009-2012	Assistant Professor (W2) at the TWINCORE, Hannover
Since 2008	Board Member, International PhD program "Infection Biology", MHH
2005-2010	Leader of the Young Investigator Research Group, Chronic Pseudomonas Infections", HZI, Braunschweig
2003-2005	Research Assistant at the Department of Cell Biology at the German Research Centre for Biotechnology (GBF/now HZI), Braunschweig
1996-2003	Assistant Doctor at the Institute of Medical Microbiology, MHH
1995	Resident at the Institute of Medical Microbiology, MHH
1994-1995	Resident of Internal Medicine at the Marienhospital, Vechta

Awards and Honors

2026	Fellow of the European Academy of Microbiology (EAM)
2021	Main Prize, DGHM (German Society for Hygiene and Microbiology)
2018	Laureate Research Grant, Novo Nordisk Foundation
2017	ERC Consolidator Grant, European Research Council
2015	ERC Proof of Concept Grant, European Research Council
2010	ERC Starter Grant, European Research Council

Citation Record
Total citations: >10,000; *h-index: 55* *(Research Gate June, 2026)*

Top-10 selected Publications

Hertz FB, Nielsen KL, Strunin D, Erdmann J, Jørgensen ML, Bendixen T, Srinathan R, Marvig RL, Rasmussen SC, Rasmussen AN, Jensen CS, Knudsen JD, **Häussler S.** (2025) Estimating the potential economic and health impact of integrated genomic surveillance in a hospital setting. Clin Micriobiol Infect. doi: 10.1016/j.cmi.2025.09.021.

Frommeyer YN, Gomez NO, Preusse M, Arce-Rodriguez A, Neubauer K, Kennepohl B, Witte J, Bouheraoua S, Cetraro P, Erdmann J, Neumann-Schaal M, Müsken M, Pich A, Bähre H, Depledge DP, **Häussler S.** (2025) tRNA hydroxylation is an epitranscriptomic modulator of metabolic states affecting *Pseudomonas aeruginosa* pathogenicity. *Nucleic Acids Res.* doi: 10.1093/nar/gkaf719.

Engelhardt F, Turnbull K, Gür M, Müsken M, Preusse M, **Häussler S**, Roghanian M. (2025) (p)ppGpp imposes graded transcriptional changes to impair motility and promote antibiotic tolerance in biofilms. *NPJ Biofilms Microbiomes.* doi: 10.1038/s41522-025-00795-7. (co-last authors)

Vatareck E, Rick T, Oswaldo Gomez N, Bandyopadhyay A, Kramer J, Strunin D, Erdmann J, Hartmann O, Alpers K, Boedeker C, Steffen A, Sieben C, Zhao G, Tomasch J**, Häussler S.** (2025) Epigenetic cellular memory in Pseudomonas aeruginosa generates phenotypic variation in response to host environments. Proc Natl Acad Sci U S A. doi: 10.1073/pnas.2415345122.

Krueger J, Preusse M, Oswaldo Gomez N, Frommeyer YN, Doberenz S, Lorenz A, Kordes A, Grobe S, Müsken M, Depledge DP, Svensson SL, Weiss S, Kaever V, Pich A, Sharma CM, Ignatova Z, **Häussler S.** (2024) tRNA epitranscriptome determines pathogenicity of the opportunistic pathogen *Pseudomonas aeruginosa*. *Proc Natl Acad Sci U S A.* doi: 10.1073/pnas.2312874121.

Pankratz D, Gomez NO, Nielsen A, Mustafayeva A, Gür M, Arce-Rodriguez F, Nikel PI, **Häussler S**, Arce-Rodriguez A. (2023) An expanded CRISPR-Cas9-assisted recombineering toolkit for engineering genetically intractable Pseudomonas aeruginosa isolates. *Nat Protoc. doi: 10.1038/s41596-023-00882-z.*

Grekov I, Thöming J G, Kordes A, **Häussler S.** (2021) Evolution of *Pseudomonas aeruginosa* toward higher fitness under standard laboratory conditions. *ISME J.* doi: 10.1038/s41396-020-00841-6.

Khaledi A, Weimann A, Schniederjans M, Asgari E, Kuo TH, Oliver A, Cabot G, Kola A, Gastmeier P, Hogardt M, Jonas D, Mofrad MR, Bremges A, McHardy AC, **Häussler S.** (2020) Predicting antimicrobial resistance in Pseudomonas aeruginosa with machine learning-enabled molecular diagnostics. EMBO Mol Med. 2020 Mar 6;12(3):e10264. doi: 10.15252/emmm.201910264.

Kordes A, Preusse M, Willger SD, Braubach P, Jonigk D, Haverich A, Warnecke G, **Häussler S.** (2019) Genetically diverse Pseudomonas aeruginosa populations display similar transcriptomic profiles in a cystic fibrosis explanted lung. Nat Commun. 2019 Jul 30;10(1):3397. doi: 10.1038/s41467-019-11414-3.

Kordes A, Grahl N, Koska M, Preusse M, Arce-Rodriguez A, Abraham WR, Kaever V, **Häussler S.** (2019) Establishment of an induced memory response in Pseudomonas aeruginosa during infection of a eukaryotic host. ISME J. 2019 Aug;13(8):2018-2030. doi: 10.1038/s41396-019-0412-1