

Curriculum Vitae

Inken Wohlers Professor, Dr.
d.o.b. December 04th, 1982, in Itzehoe, Germany

University Education

Since 11/2023 Professor for Data Science in Pneumology, University of Lübeck
2012 Ph.D., Vrije Universiteit Amsterdam, the Netherlands
2006–2008 Master in Bioinformatics, Free University Berlin
2002–2005 Bachelor in Computational Life Science, University of Lübeck

Scientific Career

Since 01/2023 Group Leader, Research Center Borstel, Leibniz Lung Center
Since 09/2025 Adjunct Assistant Professor, Khalifa University, United Arab Emirates
Since 2024 Speaker, Working Group OMICS, Research Data Management Schleswig-Holstein
2024 Visiting Scholar, Khalifa University, United Arab Emirates
2018–2022 Postdoc, Medical Systems Biology, University Hospital Schleswig-Holstein (UKSH)
2015–2018 Postdoc, Lübeck Interdisciplinary Platform for Genome Analytics, UKSH
2012–2015 Postdoc, Genome Informatics, University Hospital Essen
2008–2012 Ph.D. Student, Algorithmic Bioinformatics, CWI, the Netherlands
2008–2012 Treasurer and board member ISMB Regional Student Group Netherlands
2010–2011 Visiting Ph.D. Student, Bioinformatics, INRIA Rennes, France
2005–2008 Scientific Research Assistant, Charité – University Medicine Berlin (Part time)
2005 Intern, Bioinformatics Department, Max-Delbrück-Center Berlin-Buch

Awards and Honors

2020 Best oral presentation, Pan Arab Human Genetics Conference, UAE
2016 Travel stipend GlaxoSmithKline Foundation
2012 Featured first author article in „Nucleic Acids Research“
2009 Poster award ISMB Student Council Symposiums

Citation Record

Total citations: 2,772; h-index:19; h-index since 2021: 16 (Google Scholar February 3rd, 2026)

Top-10 selected Publications since 2020

Krause-Kyora, B., da Silva, N.A., Kaplan, E., Kolbe, D., Archaeological Civilization Disease Consortium (ACDC), **Wohlers, I.**, Busch, H., Ellinghaus, D., Caliebe, A., Sezgin, E., Nebel, A., Schreiber, S., 2025. Neolithic introgression of IL23R-related protection against chronic inflammatory bowel diseases in modern Europeans. **EBioMedicine** 113, 105591. doi: <https://doi.org/10.1016/j.ebiom.2025.105591>

Krysenko, S., Emani, C.S., Bäuerle, M., Oswald, M., Kulik, A., Meyners, C., Hillemann, D., Merker, M., Prosser, G., **Wohlers, I.**, Hausch, F., Brötz-Oesterhelt, H., Mitulski, A., Reiling, N., Wohlleben, W., 2025. GlnA3Mt is able to glutamylate spermine but it is not essential for the detoxification of spermine in Mycobacterium tuberculosis. **J. Bacteriol.** 207, e0043924. doi: <https://doi.org/10.1128/jb.00439-24>

Diricks, M.*, Petersen, S.*, Bartels, L.*, Lãm, T.-T., Claus, H., Bajanca-Lavado, M.P., Hauswaldt, S., Stolze, R., Vázquez, O.J., Utpatel, C., Niemann, S., Rupp, J., **Wohlers, I.**+, Merker, M.+, 2024. Revisiting mutational resistance to ampicillin and cefotaxime in Haemophilus influenzae. **Genome Med.** 16, 140. doi: <https://doi.org/10.1186/s13073-024-01406-4> (* shared first-/ + last authors)

Olbrich, M., Bartels, L., **Wohlers, I.**, 2024. Sequencing technologies and hardware-accelerated parallel computing transform computational genomics research. **Front. Bioinforma.** 4, 1384497. doi: <https://doi.org/10.3389/fbinf.2024.1384497>

Fährnich, A., Stephan, I., Hirose, M., Haarich, F., Awadelkareem, M.A., Ibrahim, S., Busch, H., **Wohlers, I.**, 2023. North and East African mitochondrial genetic variation needs further characterization towards precision medicine. **J. Adv. Res.** 54, 59–76. doi: <https://doi.org/10.1016/j.jare.2023.01.021>

Thomsen, M.*, Künstner, A.*, **Wohlers, I.**, Olbrich, M., Lenfers, T., Osumi, T., Shimazaki, Y., Nishifuji, K., Ibrahim, S.M., Watson, A., Busch, H., Hirose, M., 2023. A comprehensive analysis of gut and skin microbiota in canine atopic dermatitis in Shiba Inu dogs. **Microbiome** 11, 232. doi: <https://doi.org/10.1186/s40168-023-01671-2> (* shared first authors)

Saurabh, R., Fouodo, C.J.K., König, I.R., Busch, H., **Wohlers, I.**, 2022. A survey of genome-wide association studies, polygenic scores and UK Biobank highlights resources for autoimmune disease genetics. **Front. Immunol.** 13, 972107. doi: <https://doi.org/10.3389/fimmu.2022.972107>

Prokopenko, D., Morgan, S.L., Mullin, K., Hofmann, O., Chapman, B., Kirchner, R., Alzheimer's Disease Neuroimaging Initiative (ADNI), Amberkar, S., **Wohlers, I.**, Lange, C., Hide, W., Bertram, L., Tanzi, R.E., 2021. Whole-genome sequencing reveals new Alzheimer's disease-associated rare variants in loci related to synaptic function and neuronal development. **Alzheimers Dement.** J. Alzheimers Assoc. 17, 1509–1527. doi: <https://doi.org/10.1002/alz.12319>

Munz, M., **Wohlers, I.**, Simon, E., Reinberger, T., Busch, H., Schaefer, A.S., Erdmann, J., 2020. Qtlizer: comprehensive QTL annotation of GWAS results. **Sci. Rep.** 10, 20417. doi: <https://doi.org/10.1038/s41598-020-75770-7>

Wohlers, I., Künstner, A., Munz, M., Olbrich, M., Fährnich, A., Calonga-Solís, V., Ma, C., Hirose, M., El-Mosallamy, S., Salama, M., Busch+, H., Ibrahim+, S., 2020. An integrated personal and population-based Egyptian genome reference. **Nat. Commun.** 11, 4719. doi: <https://doi.org/10.1038/s41467-020-17964-1> (+ shared last authors)