



DR. SONJA

KOPPENHÖFER

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KEY EXPERTISE

- Life science/Health care
 - Ph.D. Microbiology
 - Market Access and Evidence Assessment:
 - Digital Health Applications (DiGA)
 - Pharmaceuticals (AMNOG)
- Languages
 - German - native
 - English - professional
- Software
 - R - good
 - HTML - beginner
 - CSS - beginner

FURTHER EXPERIENCES

2024 - present

Bootcamp: Frontend-Development

Coding Bootcamps Europe GmbH

2022

Workshop: Clinical Studies – Methods and pitfalls

Medical faculty Heidelberg

2022

Workshop: Critical evaluation of medical studies

Cochrane Austria Workshop

2021

Publication of the R package “reorientateCircGenomes”

[R package on GitHub](#)

2021

Updating R code

Titel „Statistik mit R für Dummies“, Wiley-VCH GmbH

2020

Workshop: Pathway and Network Analysis

Canadian Bioinformatics Workshops

2020

Committee member

Phage Canada 2020 Virtual Symposiums

2019

Poster presentation

Symposium of the Roseobacter Collaborative Research Center, Oldenburg

2017

Student Assistant

Group Microbial Communication, HZI, Braunschweig

INTEREST



Running



Books



Camping

WORK EXPERIENCE

2022 - 2024

Consultant - Market access and evidence assessment of digital health applications and pharmaceuticals

Ecker + Ecker GmbH, Hamburg, Germany

EDUCATION

2018 - 2022

Ph.D. Microbiology

Memorial University of Newfoundland, St. John’s, Canada

2015-2018

M.Sc. Microbiology

Carl von Ossietzky University of Oldenburg, Germany
Helmholtz Center for Infection Research (HZI), Braunschweig, Germany

2012-2015

B.Sc. Biology

Friedrich-Schiller-University, Jena, Germany

2008-2011

High School

Gustav-von-Schmoller-Schule, Heilbronn, Germany

PUBLICATIONS

Alim, N. T., **Koppenhöfer, S.**, Lang, A. S., & Beatty, J. T. (2023). Extracellular Polysaccharide Receptor and Receptor-Binding Proteins of the *Rhodobacter capsulatus* Bacteriophage-like Gene Transfer Agent RcGTA. *Genes*, 14(5), 1124.

Koppenhöfer, S., & Lang, A. S. (2022). Patterns of abundance, chromosomal localization, and domain organization among c-di-GMP-metabolizing genes revealed by comparative genomics of five alphaproteobacterial orders. *BMC genomics*, 23(1), 834

Koppenhöfer, S., Tomasch, J., & Lang, A. S. (2022). Shared properties of gene transfer agent and core genes revealed by comparative genomics of Alphaproteobacteria. *Microbial Genomics*, 8(11).

Kogay, R., **Koppenhöfer, S.**, Beatty, J. T., Kuhn, J. H., Lang, A. S., & Zhaxybayeva, O. (2022). Formal recognition and classification of gene transfer agents as viriforms. *Virus Evolution*, 8(2), veac100.

Koppenhöfer, S., Tomasch, J., Ringel, V., Birmes, L., Brinkmann, H., Spröer, C., ... & Petersen, J. (2022). The Sixth Element: a 102-kb RepABC Plasmid of Xenologous Origin Modulates Chromosomal Gene Expression in *Dinoroseobacter shibae*. *Msystems*, 7(4), e00264-22.

Tomasch, J., **Koppenhöfer, S.**, & Lang, A. S. (2021). Connection between chromosomal location and function of CtrA phosphorelay genes in Alphaproteobacteria. *Frontiers in Microbiology*, 12, 662907.

Gallegos-Monterrosa, R., Christensen, M. N., Barchewitz, T., **Koppenhöfer, S.**, Priyadarshini, B., Bálint, B., ... & Kovács, Á. T. (2021). Impact of Rap-Phr system abundance on adaptation of *Bacillus subtilis*. *Communications Biology*, 4(1), 468.

Koppenhöfer, S., & Lang, A. S. (2020). Interactions among Redox Regulators and the CtrA Phosphorelay in *Dinoroseobacter shibae* and *Rhodobacter capsulatus*. *Microorganisms*, 8(4), 562.

Koppenhöfer, S., Wang, H., Scharfe, M., Kaefer, V., Wagner-Döbler, I., & Tomasch, J. (2019). Integrated transcriptional regulatory network of quorum sensing, replication control, and SOS response in *Dinoroseobacter shibae*. *Frontiers in Microbiology*, 10, 803.

CONTACT

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SOCIALS

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