



DR. SONJA

KOPPENHÖFER

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KEY EXPERTISE

- Life science/Health care
 - Microbiology
 - Market Access and Evidence Assessment:
 - Digital Health Applications (DiGA)
 - Pharmaceuticals (AMNOG)
- Software
 - R
 - HTML
 - CSS

FURTHER EXPERIENCES

- Jan. 2024 - April 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
- 2011-2012

Au Pair

Northwich, England

WORK EXPERIENCE

- 2022 - Dec. 2023

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

Sonja Koppenhöfer
Warnstedtstr. 62
22525 Hamburg

E-mail: sonjakoppenhoefer@gmail.com
Tel: +49 15754288565

SOCIALS

- /SonjaElena
- /Sonja Koppenhöfer