

# Prof. Dr. Franziska Faber

## Group Leader | HIRI associated

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## Education

2011	Dr. rer. nat., Technical University Braunschweig, Germany
2001 - 2007	Diploma, Biology, Martin-Luther-University, Halle-Wittenberg, Germany

## Positions

2023 - present	Professor (W2), Institute for Hygiene and Microbiology, University of Würzburg, Germany
2021 - present	Group Leader (associated), Helmholtz Institute for RNA-based Infection Research (HIRI), Würzburg, Germany
2021 - 2023	Junior Professor (W1), Institute for Molecular Infection Biology (IMIB), University of Würzburg, Germany
2018 - 2021	Young Investigator Group Leader, Research Center for Infectious Diseases (ZINF), University of Würzburg, Germany
2017 - 2018	Postdoc, Helmholtz Centre for Infection Research (HZI), Braunschweig, Germany
2011 - 2017	Postdoc, University of California, Davis, USA

## Committee Work

2023 - present	Executive Board Member, Collaborative Research Centre 1583
2021 - present	Board Member, DGHM Study Section "Gastrointestinal Infections"
2020 - present	Section Speaker "Infection and Immunity", Graduate School of Life Sciences, University of Würzburg, Germany
2019 - present	Co-organizer, Infection & Immunity Intensive Course, HIRI Graduate Program "RNA & Infection"

## Awards & Honors

DGHM (German Association for Hygiene and Microbiology) Förderpreis (2018)

## Selected Publications

- Fuchs M, Lamm-Schmidt V, Lence T, Sulzer J, Bublitz A, Wackenreuter J, Gerovac M, Strowing T, **Faber F** (2023)  
*A network of small RNAs regulates sporulation initiation in C. difficile*  
**EMBO Journal** 42(12):e112858
- Tiffany CR, Lee JY, Rogers AWL, Olsan EE, Morales P, **Faber F**#, Bäumlér AJ# (2021)  
*The metabolic footprint of Clostridia and Erysipelotrichia reveals their role in depleting sugar alcohols in the cecum*  
**Microbiome** 9(1):174
- Fuchs M\*, Lamm-Schmidt V\*, Sulzer J, Ponath F, Jenniches L, Kirk JA, Fagan RP, Barquist L, Vogel J, **Faber F** (2021)  
*An RNA-centric global view of the clinically important bacterium Clostridioides difficile reveals broad activity of Hfq in a Gram-positive species*  
**PNAS** 118(25):e2103579118
- Lamm-Schmidt V, Fuchs M, Sulzer J, Gerovac M, Hör J, Dersch P, Vogel J, **Faber F** (2021)  
*Grad-seq identifies KhpB as a global RNA-binding protein in Clostridioides difficile that regulates toxin production*  
**microLife** 2:uqab004
- Faber F**, Thiennimitr P, Spiga L, Byndloss MX, Litvak Y, Lawhon S, Andrews-Polymeris HL, Winter SE, Bäumlér AJ (2017)  
*Respiration of microbiota-derived 1,2-propanediol drives Salmonella expansion during colitis*  
**PLoS Pathogens** 13(1):e1006129