

# Prof. Dr. Franziska Faber

## Group Leader | HIRI associated

Institute for Hygiene and Microbiology (IHM) | University of Würzburg

Josef-Schneider-Str. 2 / Building E1

97080 Würzburg | Germany

+49 931 31 86280

franziska.faber@uni-wuerzburg.de | www.hygiene.uni-wuerzburg.de



## 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 (IHM), 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 Steering Committee, Collaborative Research Centre, DECIDE (SFB1583)  
2023 - present Organizer, Würzburg Life Science Seminar  
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

Rise up! Recipient, Boehringer Ingelheim Foundation (2025), 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
- 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
- Faber F**, Tran L, Byndloss MX, Lopez CA, Velazquez EM, Kerrinnes T, Nuccio SP, Wangdi T, Fiehn O, Tsois RM, Bäumlér AJ (2016)  
*Host-mediated sugar oxidation promotes post-antibiotic pathogen expansion*  
**Nature** 534(7609):697-699