

# Jun-Prof. Dr. Alexander Westermann

## Junior Group Leader

Helmholtz Institute for RNA-based Infection Research (HIRI)

Josef-Schneider-Str. 2 / Building D15

97080 Würzburg | Germany

+49 931 31 83781

alexander.westermann@helmholtz-hiri.de | www.helmholtz-hiri.de



## Education

2015	Dr. rer. nat., Molecular Infection Biology, University of Würzburg, Germany
2010	MSc, Molecular Biosciences, University of Heidelberg, Germany
2008	BSc, Biology, University of Heidelberg, Germany

## Positions

2018 - present	Junior Professor (W1), Institute for Molecular Infection Biology (IMIB), Würzburg, Germany
2018 - present	Junior Group Leader, Helmholtz Institute for RNA-based Infection Research (HIRI), Würzburg, Germany
2017 - 2018	Visiting Researcher, MRC Centre for Molecular Bacteriology & Infection, Imperial College, London, UK and Department of Medical Microbiology & Immunology, UC Davis, CA, USA
2015 - 2017	Postdoc, RNA Biology, Institute for Molecular Infection Biology (IMIB), Würzburg, Germany
2009	Visiting Researcher, Department of Chemistry and Department of Molecular Cell Biology, UC Berkeley, CA, USA

## Committee Work

2020	Reviewer for the Alexander von Humboldt Foundation
2018	Co-organizer, RNA-seq Workshop, Graduiertenkolleg 3D Infect, Würzburg, Germany
2012	Co-organizer, RNA-seq Workshop, Medical Infection Genomics, Würzburg, Germany

## Awards & Honors

ERC Starting Grant (2022), Postdoc Award in Microbiology, Robert-Koch-Foundation (2016), Dissertation Prize of the German Center for Infection Research (DZIF) of the German Society for Hygiene and Microbiology (DGHM) (2016), PhD Stipend of the Elite Network of Bavaria (2012 - 2015)

## Editorial Boards

eLife, Infection & Immunity

## Selected Publications

- Correia Santos S, Bischler T, **Westermann AJ**#, Vogel J# (2021)  
*MAPS integrates regulation of actin-targeting effector SteC into the virulence control network of Salmonella small RNA PinT*  
**Cell Reports** 34(5):108722
- Ryan D, Jenniches L, Reichardt S, Barquist L, **Westermann AJ** (2020)  
*A high-resolution transcriptome map identifies small RNA regulation of metabolism in the gut microbe Bacteroides thetaiotaomicron*  
**Nature Communications** 11(1):3557
- Stapels DAC\*, Hill PWS\*, **Westermann AJ**, Fisher RA, Thurston TL, Saliba AE, Blommestein I, Vogel J, Helaine S (2018)  
*Salmonella persists undermine host immune defenses during antibiotic treatment*  
**Science** 362(6419):1156-1160
- Westermann AJ**, Förstner KU, Amman F, Barquist L, Chao Y, Schulte LN, Müller L, Reinhardt R, Stadler PF, Vogel J (2016)  
*Dual RNA-seq unveils noncoding RNA functions in host-pathogen interactions*  
**Nature** 529(7587):496-501
- Saliba AE, Li L, **Westermann AJ**, Appenzeller S, Stapels DAC, Schulte LN, Helaine S, Vogel J (2016)  
*Single-cell RNA-seq ties macrophage polarization to growth rate of intracellular Salmonella*  
**Nature Microbiology** 2:16206