

DR. ALEXANDER WESTERMANN

Junior Group Leader

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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 Group Leader, Helmholtz Institute for RNA-based Infection Research (HIRI), Würzburg, Germany
- 2018 - present Junior Professor (W1), Institute of Molecular Infection Biology (IMIB), University of 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 of Molecular Infection Biology (IMIB), Würzburg, Germany
- 2009 Visiting Researcher, Department of Chemistry and Department of Molecular Cell Biology, UC Berkeley, CA, USA

Committee Work

- 2018 Co-organizer, RNA-seq Workshop, Graduiertenkolleg 3D Infect, Würzburg, Germany
- 2012 Co-organizer, RNA-seq Workshop, Medical Infection Genomics, Würzburg, Germany

Awards & Honors

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)

Selected Publications

Westermann AJ, Venturini E, Sellin ME, Förstner KU, Hardt WD, Vogel J (2019)
The Major RNA-Binding Protein ProQ Impacts Virulence Gene Expression in Salmonella enterica Serovar Typhimurium
MBio 10(1). pii:e02504-18

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 A-E, Li L, Westermann AJ, Appenzeller S, Stapels DAC, Schulte L, Helaine S, Vogel J (2016)
Single-cell RNA-seq ties macrophage polarization to growth rate of intracellular Salmonella
Nature Microbiology 2:16206

Westermann AJ, Gorski SA, Vogel J (2012)
Dual RNA-seq of pathogen and host
Nature Reviews Microbiology 10(9):618-30