

Contact Details

Dr. Caroline Kühne
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Institut für Biologie – Bakterienphysiologie
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Academic career

2018	Postdoctoral researcher — AG Bacterial
—	Physiology, Humboldt-Universität zu Berlin,
present	Germany
2017	Scientist — NRW Centre for Health, Germany
2013	PhD student / graduate researcher — Junior
—	Research Group Infection Biology of Salmonella,
2017	Helmholtz Centre for Infection Research, Germany

Education

2017	PhD thesis – Technische Universität Braunschweig, Germany
2013	Master student in Molecular Biotechnology /
—	undergraduate researcher – Technical University
2010	of Munich, Germany; University of Veterinary
	Medicine, Vienna, Austria
2010	Bachelor student in Molecular Biotechnology /
—	undergraduate researcher – Technical University
2007	of Munich, Germany

Publications

1. Kühne C., Singer H.M., Grabisch E., Codutti L., Carlomagno T., Scrima A., Erhardt M. RfIM mediates target specificity of the RcsCDB phosphorelay system for transcriptional repression of flagellar synthesis in *Salmonella enterica*. **Molecular Microbiology** (2016) vol. 101 (5) pp. 841–855
2. Deditius J.A., Felgner S., Spöring I., Kühne C., Frahm M., Rohde M., Weiß S., Erhardt M. Characterization of novel factors involved in swimming and swarming motility in *Salmonella enterica* serovar Typhimurium. **Plos One** (2015) vol. 10 (8) pp. e0135351
3. Singer H.M., Kühne C., Deditius J.A., Hughes K.T., Erhardt M. The *Salmonella* Spi1 virulence regulatory protein HILD directly activates transcription of the flagellar master operon *flhDC*. **Journal of Bacteriology** (2014) vol. 196 (7) pp. 1448–1457

Selected conference activities

- 2018** Mini Symposium Microbial Pathogenicity, Annual Conference 2018 of the Association for General and Applied Microbiology, Germany (TALK)
- 2016** Gordon Research Conference Sensory Transduction in Microorganisms, Signaling Diversity in Microbial Systems, Ventura, USA (POSTER)
- 2013** EMBO|EMBL Symposium New Approaches and Concepts in Microbiology, Germany (POSTER)