

# Curriculum Vitae

## Kristin Mühldorfer

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## Research fields and Areas of interest

Wildlife disease microbiology, special interest in bacteria and blood protozoa

Infectious disease diagnostics, specialised in wildlife bacteriology

Novel infectious agents and emerging bacterial pathogens

Host-bacteria/fungi interactions (European bats as model)

Host-specific bacterial adaptations (focus on *Pasteurellaceae* and *Streptococcaceae*)

Development of disease diagnostics for zoo and wild animals

## Professional development

**2020** *de facto* Diplomate of the European College of Veterinary Microbiology (DipECVM)

**2015** German recognition as veterinary specialist in microbiology

**Since 2014** Scientist, Head of Bacteriology, Department of Wildlife Diseases at the IZW

**2013-2014** Scientist, Bacteriology & Serology, Institute of Poultry Diseases, Freie Universität Berlin

**2007-2013** Scientist, Bacteriology & Pathology, Department of Wildlife Diseases at the IZW

## Education

**2007-2012** Doctor of veterinary medicine (Dr. med. vet.), Department of Wildlife Diseases at the IZW

**2001-2007** Study of veterinary medicine, Freie Universität Berlin

## Teaching

**Since 2013** Freie Universität Berlin, Germany

Lectures and courses on avian diseases (clinical and diagnostic microbiology, infectious diseases);

Lectures on applied wildlife bacteriology and mycology

**Mentoring** of postdocs, doctoral and graduate students (interns), trainees (biology lab assistants)

## Scientific memberships and Referee activities

**Member** of the German Veterinary Society (DVG): 1) Expert Group Bacteriology & Mycology;

2) Working Group of Veterinary Infection Diagnostics (AVID); 3) Expert Group Epizootics

**Academic Editor** of PLoS ONE, since 2018

**Reviewer** for a broad range of scientific journals, incl. *Nature Ecology and Evolution*, *Molecular Ecology*, *Frontiers in Microbiology*, *Viruses*, *Microbial Ecology*, *PLoS ONE*, *Zoonoses and Public Health*, *Journal of Applied Microbiology*, *EcoHealth*, *BMC Veterinary Research*

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- Mühldorfer K<sup>s</sup>** (2017): Bats, bacteria and their role in health and disease. MICROBIOLOGY AUSTRALIA **38**, 28-29. doi:10.1071/MA17009.
- Mühldorfer K<sup>s</sup>**, Wibbelt G, Szentiks CA, Fischer D, Scholz HC, Zschöck M, Eisenberg T (2017): The role of 'atypical' *Brucella* in amphibians: Are we facing novel emerging pathogens? J APPL MICROBIOL **122**, 40-53.
- Thieme S, Hafez HM, Gutzer S, Warkentin N, Lüscho D, **Mühldorfer K<sup>s</sup>** (2016): Multilocus sequence typing of *Ornithobacterium rhinotracheale* isolated from pigeons and birds of prey revealed new insights into its population structure. VETERINARY ANIMAL SCIENCE **1-2**, 15-20.
- Maasjost J\*, **Mühldorfer K<sup>s</sup>**, Cortez de Jäkel S, Hafez HM (2015): Antimicrobial susceptibility patterns of *Enterococcus faecalis* and *Enterococcus faecium* isolated from poultry flocks in Germany. AVIAN DIS **59**,143-148. (shared first author\*)
- Mühldorfer K<sup>s</sup>**, Speck S, Wibbelt G (2014): Proposal of *Vespertiliibacter pulmonis* gen. nov., sp. nov. and two genomospecies as new members of the family *Pasteurellaceae* isolated from European bats. INT J SYST EVOL MICROBIOL **64**, 2424-2430.
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