

## Invitation

Guest lecture at the Microbiology Seminar of the Unit of Microbiology:

**Iron acquisition strategies for adaptation to the bovine mammary gland in Enterobacteriaceae: Do current definitions of “Environmental Pathogens” still hold?**

**Assoc. Prof. Naoki Suzuki PhD. / Veterinarian**

Dairy Ecosystem Research and Development Center / Graduate School of Integrated Sciences for Life / School of Applied Biological Science  
Hiroshima University

**Wednesday 6<sup>th</sup> May 2026, 12:15 pm s.t.**

**Lecture Hall M, Building HA at University of Veterinary Medicine Vienna**

**Enterobacteriaceae, including *Escherichia coli* and *Klebsiella pneumoniae*, frequently cause bovine mastitis. In the context of mastitis, these bacteria are classified as environmental pathogens and grouped as coliforms. Assoc. Prof. Naoki Suzuki focuses on iron-mediated host–pathogen interactions in mastitis, as well as within-farm dissemination and transmission dynamics of Enterobacteriaceae based on molecular epidemiological studies. In this guest lecture, he offers an integrated discussion of their pathogenic strategies and farm-level dynamics. In addition, drawing on over seven years of clinical experience, he discusses whether changes and modernisation of milking systems may influence pathogen dissemination from a bacteriological perspective.**

**Freier Eintritt!**

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