

Prof. Dr. rer. nat. Monika Ehling-Schulz

Affiliation: Abteilung Mikrobiologie, ZIEL, Technische Universität München
Address: Weihenstephaner Berg 3, 85350 Freising-Weihenstephan, Germany
Affiliation: Funktionelle Lebensmittelmikrobiologie, Veterinärmedizinische
Universität Wien
Address: Veterinärplatz 1, 1210 Wien, Austria
Date of birth: January, 23, 1968

Education:

1987-1988 Chemistry, LMU München
1988-1994 Agricultural and Plant Science, TU München-Freising
1993-1994 Diploma Thesis (Dipl Ing-agr.) Topic: Subcloning and sequencing of a
water stress regulated DNA sequence from *Nostoc commune*.
1994-1996 Postgraduate Studies in Biotechnology, TU München
2000 PhD in Microbiology (Dr. rer. nat.) Topic: „Physiological and
proteinbiochemical analysis of UV-A and UV-B tolerance in the
terrestrial cyanobacterium *Nostoc commune*.“
1999-2001 Postgraduate Studies in Philosophy, Hochschule für Philosophie,
München
2007 Habilitation and *venia legendi* for Microbiology (TU München)

Research Stays

1992 Fac. de Ciencias Agrarias y Forestales, Universidad de Chile, Santiago
de Chile
05/1994 Dep. of Biochemistry and Anaerobic Microbiology, Virginia Polytechnic
Institute and State University, Blacksburg, Virginia, USA

Career:

2001-2003 Postdoc at the Institute of Microbiology, FML, TU München-Freising
2003- Oct. 2008 Group leader of the research group „Pathogenesis of *Bacillus cereus*“
Nov. 2008 – to date Professor for Functional Food Microbiology, University of Veterinary
Medicine Vienna, Austria

Research Interests:

- Pathogenesis and toxin formation of emetic *Bacillus cereus*
- Molecular ecology of food borne and zoonotic pathogens
- Biotraceability: Model systems for tracing of deliberate food contaminations
- Population analysis and typing of mastitis pathogens
- Mechanisms of biofilm formation in bacterial pathogens

Teaching:

- Basic courses in microbiology for students of Nutritional Sciences, Molecular
Biotechnology and Biochemistry.
- Advanced courses in bacterial pathogenesis for students of Molecular Biotechnology
and Biology.

Selected Memberships:

- Member of the American Society of Microbiology
- Member of the Association for General and Applied Microbiology
- Member of the ethics committee for animal experimentation (§15 TierSchG)