

## PD Dr. rer. nat. Thilo M. Fuchs

**Affiliation:** Chair of Microbial Ecology, Technische Universität München  
**Address:** Weihenstephaner Berg 3, D-85350 Freising-Weihenstephan, Germany  
**Date of birth:** June 14, 1964

**Education:**  
1983 -1990 Biology, Julius-Maximilians-Universität Würzburg, Germany  
1990 Diploma in Biology ('sehr gut')  
1996 Dr. rer. nat. at the Chair of Microbiology, Julius-Maximilians-Universität Würzburg ('magna cum laude')  
2006 Habilitation and *venia legendi* for Microbiology (Technische Universität München)

**Career:**  
1996 - 1998 Postdoc and DFG fellow at the Chair of Microbiology, Julius-Maximilians-Universität Würzburg, Germany  
1998 Postdoc in the Helicobacter vaccine project at the Max Planck-Institute of Infection Biology, Tübingen, Germany  
1999 - 2002 Postdoc and group leader at the CREATOGEN AG, Augsburg, Germany  
2002 - 2006 Group leader and habilitand at the ZIEL, Department Microbiology, and the WZW, Technische Universität München, Germany  
2006 - to date Independent group leader and associate professor at the ZIEL, Department Microbiology, and the WZW, Technische Universität München

### Research Interests:

- Bacterial pathogenicity
- Metabolic adaptations of bacterial pathogens to *in vivo* conditions
- Transcriptomics, metabolomics and metabolic fluxes with respect to bacterial metabolism
- Monitoring of gene expression *in vitro* and *in vivo*
- Transporters of bacterial metabolites
- Regulation of bacterial factors involved in virulence and metabolism

### Teaching:

- General microbiology and bacterial genetics for students in Molecular Biotechnology, Nutritional Sciences and Biochemistry
- Advanced courses in Microbiology and Molecular Pathogenicity for students in Molecular Biotechnology, Nutritional Sciences and Biochemistry

### Memberships:

- Member of the Association for General and Applied Microbiology (VAAM) since 2007
- Member of the American Society of Microbiology since 2008
- Associate editor of BMC Genomics since 2009

### Honors, Awards:

- Research fellowship of the German Research Foundation (DFG) (1997-98)