

## Dr. rer. nat. Wolfgang Ludwig

**Affiliation:** Lehrstuhl für Mikrobiologie, Technische Universität München  
**Address:** Emil-Ramann-Str. 4, D-85350 Freising-Weißenstephan, Germany  
**Date of birth:** September, 29, 1950

**Education:**  
1979 Diploma in Biology (Technische Universität München)  
1979 - 1981 Max-Planck Institute for Biochemistry, Martinsried, Germany  
1981 Ph.D. (Technische Universität München)

**Career:**  
1981 - 1983 Post-doctoral fellow, Department for Microbiology, Technische Universität München  
1983 - to date Group leader, Department for Microbiology, Technische Universität München

### Research Interests:

- Phylogenetic analyses based upon comparative sequence analyses
- Development of nucleic acid based identification techniques
- Design and application of specific probes
- Software development (ARB) for maintaining sequence data bases, sequence data analysis, phylogeny inference and specific probe design
- Phylochips for Acidobacteria and acetic acid bacteria
- Strain (pathovar) specific detection systems for xanthomonads and *C. difficile*

### Teaching:

- Basic microbiology
- Basic and advanced courses in microbiology
- Phylogeny and bioinformatics

### Selected Memberships:

- Fellow of the American Academy of Microbiology
- Member of the German society for Hygiene and Microbiology (DGHM)
- Member of the German Society for General and Applied Microbiology (VAAM)
- Associated member of the Bergey's Trust
- Member of the German society for Classification (GfKI)
- Member of the editorial board of *Systematic and Applied Microbiology*

### Selected Honors, Awards:

- Bergey Award (1992)
- Award of the DGHM (1995)
- USFCC Roger Porter Award (1999)