

Curriculum Vitae of Anne S. Ulrich

Name Prof. Anne S. Ulrich, B.A., M.A., D.Phil. (Oxon)
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Education

1969 - 71 Preschool in Matawan, New Jersey (USA)
1972 - 76 Primary school in Leonberg (Germany), and London (UK)
1976 - 85 High school in Leonberg and Buchholz (Germany)
1985 - 89 B.A., M.A. in chemistry at the University of Oxford (UK)
1989 - 93 PhD at the Dept. of Biochemistry, University of Oxford, with Prof. A. Watts
1993 - 95 Postdoc at the EMBL Heidelberg (Germany), with Prof. H. Oschkinat
1996 -02 Assistant professor (DFG-Nachwuchsgruppe) at the University of Jena (Germany)
1999 Habilitation in Biochemistry at the University of Heidelberg, with Prof. F. Wieland
2000 - 02 Associate professor of Molecular Biophysics at the University of Jena (Germany)
since 2002 Chair of Biochemistry at the University of Karlsruhe,
and group leader at Forschungszentrum Karlsruhe (Germany)
since 2005 Director of the Institute for Biological Interfaces (IBG2) at KIT

Research

Systems of interest: Transport processes across biological membranes and lipid-protein interactions. Antimicrobial, cell penetrating and fusogenic peptides, as well as protein export machineries, signalling receptors and channel-forming proteins.

Methods: Solid state NMR structure analysis ($^{19}\text{F}/^2\text{H}/^{15}\text{N}/^{31}\text{P}/^{13}\text{C}$ mainly in oriented samples, also by MAS) and complementary biophysical techniques (CD, fluorescence, DLS, DSC, etc.). NMR hardware is developed in-house, and data analysis is supported by MD simulations.

Group: Approx. 40 co-workers; widebore NMR spectrometers (600 MHz, 2x 500 MHz, 300 MHz, 200 MHz); labs for molecular biology and protein biochemistry (S1), peptide synthesis facility, microbiology (R2), synchrotron UV-CD beamline (at ANKA).

Teaching

- Full curriculum in “Biochemistry” at KIT
- Initiated new Bachelor/Master study course “Chemical Biology” in 2010
- Additional courses in NMR spectroscopy, structural biology, instrumental analysis

Awards and fellowships

- Karl Winnacker Prize of the Aventis Foundation (2001)
- Heinz Maier-Leibnitz-Prize of the Deutsche Forschungsgemeinschaft (1999)
- Dr. Otto Röhm Gedächtnis-Preis (1998)
- Liebig Habilitations-Stipendium des Fonds der Chemischen Industrie (1995/96)
- Kaufmann-Prize of the Deutschen Gesellschaft für Fettwissenschaft (1994)
- EMBO Longterm Fellowship (1993/94/95)
- Travel stipend to Rockefeller University, NY, visiting scientist with Prof G. Blobel (1990)
- College Scholarships in St. Edmund Hall (1986-88), Wolfson (1989-90), and St. Cross (1991-92)

Activities

- Scientific Advisory Board of Inst. of Molecular and Cellular Biology, Univ. Elche (since 2012)
- External Advisory Board of the Wilhelm and Else Heraeus-Stiftung (since 2010)
- Organizer of the internl. Heraeus Conference “Biophysics of Membrane-Active Peptides” (2010)
- Programme Director at FZK for “NanoBiology”, coordinating about 250 scientists (2008-2011)
- Speaker of Competence Field “Applied Life Sciences” in KIT excellence initiative (2008/09)
- Acting Director of sister institute IBG-1 at KIT (2007-2009)
- Elected member of Max-Bergmann Kreis Deutscher Peptidchemiker (since 2008)
- External advisory board of Dechema section „Nanotechnology“ (2007-2009)
- Speaker of research area Nano-Biology of DFG-CFN (since 2005-2011)
- Coordination Panel of DFG-Center for Functional Nanostructures, Karlsruhe (since 2004)
- Editorial Board Member of *Biophysical Journal*, and *Magnetic Resonance in Chemistry* (2004-07)
- Organizing committee: CFN Summer School on Nanobiology, Bad Herrenalb (2005)
- Organization of the international symposium on “Solid State NMR in Biology”, Karlsruhe (2004)
- Organizing Committee of German-American Frontiers of Chemistry Symposia (2000, 02, 04)
- Organizing committee: GDCh Tagung „Magnetic Resonance“, Bremen (2002)