

CURRICULUM VITAE

Name: Dr. Burkhard Bechinger

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Birth: March 22nd 1961 in Karlsruhe, Germany

Nationality: French & German

Areas of research Membrane biophysics, peptide-lipid interactions, solid-state NMR, antimicrobial and cell penetrating peptides, membrane protein structure and dynamics, peptide/NA complexes for transfection and/or transduction

Education and Work Experience:

9/2010 Promotion to exceptional class professorship

2005-2012 Scientific director of the 'NMR platform Eastern France' (PPF)

2005-2008 Director of the Department of *Molecular Physical Chemistry and Spectroscopy*, after fusion of four departments member of the team of managing directors of the Chemistry Institute (CNRS-Université Louis Pasteur-research unit UMR 7177), Strasbourg, France.

2003/2004 Director of the CNRS-ULP-research unit *RMN de la matière condensée*, CNRS-Université Louis Pasteur, FRE2446, Strasbourg, France.

since 9/2001 Full Professor (PR1), Chemistry department, Université Louis Pasteur, Strasbourg, France.

2/1995 – 8/2001: Head of the Independent junior research group 'Solid-state NMR spectroscopy' at the Max Planck Institute of Biochemistry in Martinsried close to Munich, Germany.

1-3/2001 Readership at Birkbeck College, University of London, School of Biological and Chemical Sciences, U.K. (part time)

- 1/1993-1/1995: Head of the research group "NMR spectroscopy" at the Max Planck Institute of molecular physiology in Dortmund, Germany, supported by a habilitation grant of the German Research Foundation (DFG).
- 4/1990-4/1993 Postdoctoral research associate at the University of Pennsylvania, Philadelphia, PA, USA, supported by a long-term fellowship of the European Molecular Biology Organisation (EMBO).
- 9/1989-1/1990 Postdoctoral research associate at the Biocenter, University of Basel, Switzerland (laboratory of Prof. Dr. J. Seelig).
- 1/1987-8/1989 PhD thesis in the laboratory of Prof. Dr. J. Seelig, Dept. of Biophysical Chemistry at the Biocenter, University of Basel. Subject: "Electrostatic interactions of molecular dipoles in membranes".
- 1984-1986 University of Basel (Diploma in Molecular Biology),

Distinctions (selection)

- 5/2014 Guest professorship at the University Tor Vergata, Rome, Italy
- starting 2014 Member of the national Research group GDR *MuFoPam : Multiple fonctions de peptides antimicrobiens*
- 12/2013 Appointed member of the evaluation committee of the National Agency for Education and Research (AERES) to evaluate the ICMMO institute (Institut de chimie moleculaire et materiaux d'Orsay, UMR 8182) at the Université Orsay
- 12/2012 Appointed member of the evaluation committee of the National Agency for Education and Research (AERES) to evaluate the LDB institute (Laboratoire de Biomolécules, UMR 7203) at the ENS and the Université Marie et Pierre Curie in Paris
- starting 12/2012 Member of the scientific committee of the Membrane Biophysics Group (GEM) of the French Biophysical Society (SFB)
- starting 3/2011 Member of the ANR project Investments into the Future – Laboratories of Excellence *Chemistry of Complex Systems*
- starting 4/2011 Nominated to the Council of the Chemistry Institute – *conseil d'UMR*
Designated member of the directors board - *Chargé de mission* (2013-17)
- 2010-2012 Invited member of the selection committees for the appointment of two professors in physical chemistry (2010) and two in chemistry at the University of Nantes (2011 & 2012) as well as in NMR spectroscopy at the University of Strasbourg (2011)

- 2010-2013 Member of the national Research group GDR 3334 *SupraMemBio* : *Assemblages supramoléculaires et membranes biologiques: Concepts, modèles et fonctions*
- 2009 Appointed member of the evaluation committee of the National Agency for Education and Research (AERES) to evaluate the CBMN institute in Bordeaux
- 2009 Appointed member of the evaluation committee for interdisciplinary projects of the National Research Agency (ANR PIRIBio)
- 2008 Appointed member of the project selection committee of the TGE RMN (French National High-Field NMR Network)
- August 2008 & December 2003 Invited professor, University of Belo Horizonte/MG, Brazil
- 2005-2008 Appointed member of the national committee of experts in Physical Chemistry (section 13) of the French National Research Center (CNRS).
- Editorial Board of *Magnetic Resonance Insight*
Editorial Advisory Panel of *Molecular Membrane Biology*
- Referee regularly asked to referee for scientific journals (e.g. *Nature publications, Biochemistry, Biophysical Journal, Journal of Molecular Biology, Proceedings of the National Academy of Sciences USA, FASEB Journal* etc.) as well as many international and national granting agencies
- Review pannels Member of review panels of *European Science Foundation (ESF, 2005, 2009), Human Frontier Science Program (HFSP, 2005-2008)*, and the *European Commission 7th framework programme-Health (2007)*.
- Member of a great number of French, German and US scientific associations