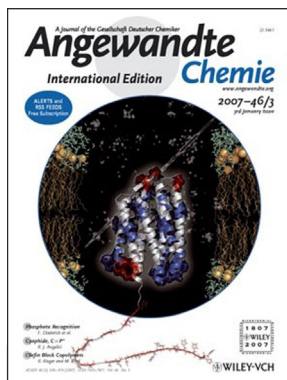




M. Baldus

The author presented on this page has published more than **10 articles** in *Angewandte Chemie* in the last 10 years, most recently: "An Efficient Labelling Approach to Harness Backbone and Side-Chain Protons in ¹H-Detected Solid-State NMR Spectroscopy": D. Mance, T. Sinnige, M. Kaplan, S. Narasimhan, M. Daniëls, K. Houben, M. Baldus, M. Weingarth, *Angew. Chem. Int. Ed.* **2015**, 54, 15799; *Angew. Chem.* **2015**, 127, 16025.



The work of M. Baldus has been featured on the cover of *Angewandte Chemie*: "Secondary Structure, Dynamics, and Topology of a Seven-Helix Receptor in Native Membranes, Studied by Solid-State NMR Spectroscopy": M. Etzkorn, S. Martell, O. C. Andronesi, K. Seidel, M. Engelhard, M. Baldus, *Angew. Chem. Int. Ed.* **2007**, 46, 459; *Angew. Chem.* **2007**, 119, 463.

Marc Baldus

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Position:	Professor of Structural Biology & Head of NMR Section, Bijvoet Center for Biomolecular Research, Utrecht University
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Education:	1991 Diploma in physics, Technische Universität Darmstadt 1991–1996 PhD with Richard R. Ernst and Beat H. Meier, ETH Zurich 1997–1999 Postdoctoral research associate with Robert G. Griffin, MIT/Harvard Center of Magnetic Resonance, Massachusetts Institute of Technology (MIT)
Awards:	2006 Founders Medal, International Council on Magnetic Resonance in Biological Systems (ICMRBS); 2007 Prize of the European Biophysical Societies' Association (EBSA); 2014 Günther Laukien Prize, Experimental Nuclear Magnetic Resonance Conference (ENC)
Current research interests:	NMR spectroscopy; (membrane) proteins and cellular systems; (bio)materials; protein folding and aggregation; biophysical chemistry
Hobbies:	Music and playing the piano; swimming; biking; cross training; reading; movies

My favorite place to spend a holiday is on the coast.

When I was eighteen I wanted to be a scientist. I was impressed by a book about Max Planck.

In the future I see myself doing innovative research and paving the way for the next scientific generation to be successful.

The most important thing I learned from my students is that motivation is key for success. Each person has their own character and talents.

My favorite painters are Yves Klein, Mark Rothko, and Gerhard Richter.

My favorite musicians/composers are Bach, Miles Davis, Bill Evans, and Chicane.

My motto is "Luck is what happens when preparation meets opportunity" (Seneca; a Roman philosopher).

Looking back over my career, I realize that you can plan things ahead of time only to a certain degree.

My first experiment was at the age of 13, starting to follow the growth curves of different plants in my family's garden over the years.

My science "heroes" are Richard Ernst and Bob Griffin (PhD and postdoc supervisors).

My 5 top papers:

1. "Probing a cell-embedded megadalton protein complex by DNP-supported solid-state NMR": M. Kaplan, A. Cukkemane, G. C. P. van Zundert, S. Narasimhan, M. Daniëls, D. Mance, G. Waksman, A. M. J. J. Bonvin, R. Fronzes, G. E. Folkers, M. Baldus, *Nature Methods* **2015**, 12, 649. (We could study a large bacterial protein complex in its natural environment and at atomic resolution.)
2. "Solid-State NMR Spectroscopy on Cellular Preparations Enhanced by Dynamic Nuclear Polarization": M. Renault, S. Pawsey, M. P. Bos, E. J. Koers, D. Nand, R. Tommassen-van Boxel, M. Rosay, J. Tommassen, W. E. Maas, M. Baldus, *Angew. Chem. Int. Ed.* **2012**, 51, 2998; *Angew. Chem.* **2012**, 124, 3053. (Cellular solid-state NMR spectroscopy can be successfully combined with dynamic nuclear polarization to detect various molecules in a cell setting.)
3. "Secondary Structure, Dynamics, and Topology of a Seven-Helix Receptor in Native Membranes, Studied by Solid-State NMR Spectroscopy": M. Etzkorn, S. Martell, O. C. Andronesi, K. Seidel, M. Engelhard, M. Baldus, *Angew. Chem. Int. Ed.* **2007**, 46, 459; *Angew. Chem.* **2007**, 119, 463. (An entire membrane-embedded protein receptor can be studied in terms of structure, dynamics, and overall membrane topology.)
4. "Toxin-induced conformational changes in a potassium channel revealed by solid-state NMR": A. Lange, K. Giller, S. Hornig, M. F. Martin-Eauclaire, O. Pongs, S. Becker, M. Baldus, *Nature* **2006**, 440, 959. (We could characterize a toxin-ion channel complex that is relevant for pharmacological research.)
5. "Molecular-level secondary structure, polymorphism, and dynamics of full-length α -synuclein fibrils studied by solid-state NMR": H. Heise, W. Hoyer, S. Becker, O. C. Andronesi, D. Riedel, M. Baldus, *Proc. Natl. Acad. Sci. USA* **2005**, 102, 15871. (The aggregated form of a fairly large protein that is very relevant to Parkinson's disease.)

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