



G. Mayer

The author presented on this page has published more than **10 articles** in *Angewandte Chemie* in the last 10 years, most recently: "Aptamer-Based Affinity Labeling of Proteins": J. L. Vinkenborg, G. Mayer, M. Famulok, *Angew. Chem.* **2012**, 124, 9311–9315; *Angew. Chem. Int. Ed.* **2012**, 51, 9176–9180.

## Günter Mayer

<b>Date of birth:</b>	March 18, 1972
<b>Position:</b>	Professor, University of Bonn
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<b>Education:</b>	1992–1998 Undergraduate degree, Ludwig-Maximilians-Universität (LMU) Munich 2001 PhD with Prof. M. Famulok at LMU Munich and the University of Bonn 2001–2004 Head of the Combinatorial Biotechnology Department and Cofounder of NascaCell 2004–2009 Habilitation at the University of Bonn
<b>Research:</b>	Aptamers, riboswitches, multivalent molecules
<b>Hobbies:</b>	Soccer (active and (more) passive), PlayStation (PS) 3, reading

**My favorite time of day is ...** the night.

**My favorite book is ...** anything by Helmut Krausser.

**My favorite quote is ...** "Es gibt nichts Gutes, außer man tut es" ("Actions speak louder than words"; Erich Kästner).

**I admire ...** my wife's patience.

**My favorite way to spend a holiday is ...** at home.

**The secret of being a successful scientist is ...** there is none besides the usual keys to success: passion, creativity, toughness, and luck.

**If I had one year of paid leave I would ...** ascend to League 1 of FIFA 12 on PS3.

**What I appreciate most about my friends is ...** reliability and honesty.

**My favorite painter is ...** my father.

**My favorite bands are ...** Katzenjammer and Tocotronic.

**The natural talent I would like to be gifted with ...** is the ability to play the piano.

**When I was eighteen I wanted to be ...** a Guitar Hero.

**I am waiting for the day when someone will discover ...** the reverse transcriptase (writing proteins into RNA).

**The biggest challenge facing scientists is ...** uncertainty.

**My favorite drink is ...** Augustiner Hell (a beer brewed in Munich).

### My 5 top papers:

1. "Molecular Mechanism for Inhibition of G Protein-Coupled Receptor Kinase 2 by a Selective RNA Aptamer": V. M. Tesmer, S. Lennarz, G. Mayer, J. G. G. Tesmer, *Structure* **2012**, 20, 1300–1309. (The structure of an ATP-mimicking, but highly selective RNA aptamer in a complex with its target kinase.)
2. "Profiling of Active Thrombin in Human Blood by Supramolecular Complexes": J. Müller, T. Becher, J. Braunstein, P. Berdel, S. Gravius, F. Rohrbach, J. Oldenburg, G. Mayer, B. Pötzsch, *Angew. Chem.* **2011**, 123, 6199–6202; *Angew. Chem. Int. Ed.* **2011**, 50, 6075–6078. (Clinically applicable aptasensors to monitor the coagulation status of patients.)
3. "Enrichment of Cell-Targeting and Population-Specific Aptamers by Fluorescence-Activated Cell Sorting": M.-S. L. Raddatz, A. Dolf, E. Endl, P. Knolle, M. Famulok, G. Mayer, *Angew. Chem.* **2008**, 120, 5268–5271; *Angew. Chem. Int. Ed.* **2008**, 47, 5190–5193. (The use of FACS–SELEX for identifying cell-specific aptamers.)
4. "An Anticoagulant with Light-Triggered Antidote Activity": A. Heckel, M. C. R. Buff, M.-S. L. Raddatz, J. Müller, B. Pötzsch, G. Mayer, *Angew. Chem.* **2006**, 118, 6900–6902; *Angew. Chem. Int. Ed.* **2006**, 45, 6748–6750. (The inactivation of aptamers by light irradiation.)
5. "Light Regulation of Aptamer Activity: An Anti-Thrombin Aptamer with Caged Thymidine Nucleobases": A. Heckel, G. Mayer, *J. Am. Chem. Soc.* **2005**, 127, 822–823. (The first reported study on light activation of aptamer activity.)

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