



O. Reiser

Oliver Reiser

| | |
|------------------------------------|---|
| Date of birth: | August 11, 1962 |
| Position: | Professor of Organic Chemistry, University of Regensburg (Germany) |
| E-mail: | oliver.reiser@chemie.uni-regensburg.de |
| Homepage: | http://www-oc.chemie.uni-regensburg.de/reiser/index.html; www.chemie-im-alltag.de |
| Education: | 1981–1986 Degree in chemistry, University of Hamburg 1989 PhD with A. de Meijere, Universities of Hamburg and Jerusalem, and UCLA 1989–1990 Postdoc with R. D. Miller, IBM Research Center, San José 1991 Postdoc with D. A. Evans, Harvard University |
| Awards: | 2001 Novartis Chemistry Lectureship Award; 2006 CSIR Lectureship; 2008 JSPS Lectureship; 2012 Fellowship for Innovative Teaching (Stifterverband für die Deutsche Wissenschaft) |
| Current research interests: | Stereoselective synthesis and catalysis, renewable resources, natural products, peptide foldamers |
| Hobbies: | Chess, inline skating, playing the piano, opera and musicals, travel (it's my last name!) |

The author presented on this page has recently published his **10th article** in *Angewandte Chemie* in the last 10 years:

"A Catalytic Multicomponent Approach for the Stereoselective Synthesis of *cis*-4,5-Disubstituted Pyrrolidinones and Tetrahydro-3H-pyrrolo[3,2-*c*]quinolines": S. Roy, O. Reiser, *Angew. Chem.* **2012**, 124, 4801–4804; *Angew. Chem. Int. Ed.* **2012**, 51, 4722–4725.

My not-so-secret passion is ... electronic gadgets.

The greatest scientific advance in the next decade will be ... catalytic C–O activation.

I chose chemistry as a career because ... it gives me the chance to make a contribution to pressing challenges of mankind.

If I were not a scientist, I would be ... a starving piano bar and chess player.

My most exciting discovery to date has been ... that I like what I do.

The most exciting thing about my research is ... to boldly go ...

The best advice I have ever been given is ... to stay in academia (A. de Meijere).

The most amusing chemistry adventure in my career was ... being reprimanded by a female postdoc for wearing shorts in my office "I am not used to professors wearing shorts" (... on a hot summer day on a Saturday).

My top three films of all time are ... When Harry Met Sally, It's a Wonderful Life, and City Slickers.

My favorite food is ... Tandoori Chicken ... on my way back from India.

My favorite piece of music is ... the musical Les Misérables.

My 5 top papers:

1. "Aza-bis(oxazolines): New Chiral Ligands for Asymmetric Catalysis": M. Glos, O. Reiser, *Org. Lett.* **2000**, 2, 2045–2048. (The starting point for covalently immobilized bis(oxazoline) ligands in general and for our interest in supported catalysts and reagents.)
2. "Surprisingly Stable Helical Conformations in α/β -Peptides by Incorporation of *cis*- β -Aminocyclopropane Carboxylic Acids": S. de Pol, C. Zorn, C. Klein, O. Zerbe, O. Reiser, *Angew. Chem.* **2004**, 116, 517–520; *Angew. Chem. Int. Ed.* **2004**, 43, 511–514. (We demonstrated the virtues of α/β peptides that have now been broadly recognized for peptide foldamer design with a high content of naturally occurring α -amino acids.)
3. "First Enantioselective Total Synthesis of Argabin": S. Kalidindi, W. B. Jeong, A. Schall, R. Bandichhor, B. Nosse, O. Reiser, *Angew. Chem.* **2007**, 119, 6478–6481; *Angew. Chem. Int. Ed.* **2007**, 46, 6361–6363. (The synthesis of a biologically relevant natural product, demonstrating catalysis for the conversion of renewable resources as a key element.)
4. "TEMPO Supported on Magnetic C/Co-Nanoparticles: A Highly Active and Recyclable Organocatalyst": A. Schätz, R. N. Grass, W. J. Stark, O. Reiser, *Chem. Eur. J.* **2008**, 14, 8262–8266. (The start of our work in magnetic nanoparticle supports for catalysts and reagents.)
5. "Cu(dap)₂Cl As an Efficient Visible-Light-Driven Photoredox Catalyst in Carbon–Carbon Bond-Forming Reactions": M. Pirsich, S. Paria, T. Matsuno, H. Isobe, O. Reiser, *Chem. Eur. J.* **2012**, 18, 7336–7340. (A copper complex (Sauvage's catalyst) is demonstrated to be efficient in visible-light-mediated photoredox catalysis.)

DOI: 10.1002/anie.201203999



The work of O. Reiser has been featured on the cover of *Angewandte Chemie*:

"A Recyclable Nanoparticle-Supported Palladium Catalyst for the Hydroxycarbonylation of Aryl Halides in Water": S. Wittmann, A. Schätz, R. N. Grass, W. J. Stark, O. Reiser, *Angew. Chem.* **2010**, 122, 1911–1914; *Angew. Chem. Int. Ed.* **2010**, 49, 1867–1870.