



R. D. Süssmuth

The author presented on this page has recently published his **10th article** since 2000 in *Angewandte Chemie*:
 “In Vitro Biosynthesis of the Prepeptide of Type-III Lantibiotic Labyrinthopeptin A2 Including Formation of a C–C Bond as a Post-Translational Modification”: W. M. Müller, T. Schmiederer, P. Ensle, R. D. Süssmuth, *Angew. Chem.* **2010**, 122, 2486–2490; *Angew. Chem. Int. Ed.* **2010**, 49, 2436–2440.

Roderich D. Süssmuth

Date of birth:	March 6, 1971
Position:	Rudolf Wiechert Professor of Biological Chemistry, Institut für Chemie, Technische Universität Berlin (Germany)
Education:	1990–1995 Eberhard-Karls-Universität Tübingen (Germany) 1996–1999 PhD with Günther Jung, Eberhard-Karls-Universität Tübingen 2000–2001 Postdoc with Richard Lerner and Carlos Barbas III, The Scripps Research Institute (USA) 2001–2003 Habilitation, Eberhard-Karls-Universität Tübingen 2004–Present Professor, TU Berlin
Professional associations:	GDCh; ACS; GBM (Society of Biochemistry and Molecular Biology); German Board Member of the Technion Society; Editorial Board, Journal of Peptide Science
Awards:	2001 Feodor-Lynen Fellowship (Alexander-von-Humboldt Foundation), 2002 Friedrich-Weygand-Award (Max-Bergmann-Society) and Emmy-Noether-group leader fellowship (DFG), 2003 Lilly-Lecture Award (Lilly) and DECHEMA Young Investigator Award–Natural Product Research, 2006 Dozentenstipendium (FCI)
Current research interests:	Screening and structure elucidation of new natural products; investigation of natural product biosyntheses on a genetic and enzymatic level; combinatorial biosynthesis and target finding; Development of enzyme inhibitors; synthetic studies towards new peptides; development of new classes of drugs for bacterial, fungal, and viral infections
Hobbies:	Playing the piano, classical music, fine arts, salsa, swimming, hiking, gardening

My favorite subjects at school were ... natural sciences, history, music lessons, and the theatre group.

The biggest challenge facing scientists is ... solving social challenges with the achievements of scientific knowledge.

If I could have dinner with three famous scientists from history, they would be ... Archimedes, Demokrit, and Johannes Kepler.

My first experiment was ... setting fire to some strange substance I had found in my father's private laboratory.

If I were not scientist, I would be ... an artist or a pianist.

The most exciting thing about my research is ... the journey to a discovery.

My work is significant because ... science is a contribution to culture.

I would have liked to have discovered ... the wheel.

The part of my job which I enjoy the most is ... independence—I can choose my research topics.

My worst habit is ... ? I deny having bad habits.

My favorite book is ... “Die Würde des Lügens” (“The Dignity of Lying”) by Joachim Zelter.

My 5 top papers:

1. “Labyrinthopeptine: A New Class of Carbacyclic Lantibiotics”: K. Meindl, T. Schmiederer, K. Schneider, A. Reicke, D. Butz, S. Keller, H. Gühring, L. Vértessy, J. Wink, H. Hoffmann, M. Brönstrup, G. M. Sheldrick, R. D. Süssmuth, *Angew. Chem.* **2010**, 122, 1169–1173; *Angew. Chem. Int. Ed.* **2010**, 49, 1151–1154.
2. “2-Amino-2-deoxyisochorismate is a Key Intermediate in *Bacillus subtilis* *p*-Aminobenzoic Acid Biosynthesis”: H. S. Schadt, S. Schadt, F. Oldach, R. D. Süssmuth, *J. Am. Chem. Soc.* **2009**, 131, 3481–3483.
3. “Total Synthesis of the Antiviral Peptide Antibiotic Feglymycin”: F. Dettner, A. Hänchen, D. Schols, L. Toti, A. Nußer, R. D. Süssmuth, *Angew. Chem.* **2009**, 121, 1888–1893; *Angew. Chem. Int. Ed.* **2009**, 48, 1856–1861.
4. “Abyssomicin C—A Polycyclic Antibiotic from a Marine Verrucosipora Strain as an Inhibitor of the *p*-Aminobenzoic Acid/Tetrahydrofolate Biosynthesis Pathway”: B. Bister, D. Bischoff, M. Ströbele, J. Riedlinger, A. Reicke, F. Wolter, A. T. Bull, H. Zähler, H.-P. Fiedler, R. D. Süssmuth: *Angew. Chem.* **2004**, 116, 2628–2630; *Angew. Chem. Int. Ed.* **2004**, 43, 2574–2576; *Angew. Chem. Int. Ed.* **2004**, 43, 2574–2576.
5. “The Structure of Salmochelins: C-Glucosylated Enterobactins of *Salmonella enterica*”: B. Bister, D. Bischoff, G. J. Nicholson, M. Valdebenito, K. Schneider, G. Winkelmann, K. Hantke, R. D. Süssmuth, *BioMetals* **2004**, 17, 471–481.

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