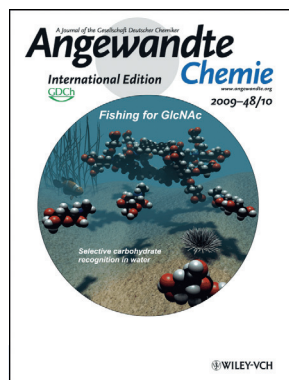




G. J. Boons

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

"Synthetic Enterobacterial Common Antigen (ECA) for the Development of a Universal Immunotherapy for Drug-Resistant *Enterobacteriaceae*": L. Liu, J. Zha, A. DiGiandomenico, D. McAllister, C. K. Stover, Q. Wang, G.-J. Boons, *Angew. Chem. Int. Ed.* **2015**, *54*, 10953; *Angew. Chem.* **2015**, *127*, 11103.



The work of G.-J. Boons has been featured on the inside cover of *Angewandte Chemie*:

"A Synthetic Lectin for O-Linked β -N-Acetylglucosamine": Y. Ferrand, E. Klein, N. P. Barwell, M. P. Crump, J. Jiménez-Barbero, C. Vicent, G.-J. Boons, S. Ingale, A. P. Davis, *Angew. Chem. Int. Ed.* **2009**, *48*, 1775; *Angew. Chem.* **2009**, *121*, 1807.

Geert-Jan Boons

Date of birth:	April 7, 1962
Position:	UGA Foundation Distinguished Professor in Biochemical Sciences, Department of Chemistry and the Complex Carbohydrate Research Center, University of Georgia; Professor and Chair of the Department of Medicinal and Biological Chemistry, Utrecht University
E-mail:	gjboons@ccrc.uga.edu
Homepage:	http://cell.ccrc.uga.edu/~gjboons/boons/Home.htm
Education:	1997 MSc, Leiden University 1991 PhD supervised by Prof. Dr. J. H. van Boom, Leiden University 1991–1993 Ramsay Memorial Fellow with Prof. Dr. S. V. Ley, Imperial College, London, and University of Cambridge
Awards:	2003 Carbohydrate Research Award for Creativity in Carbohydrate Chemistry, International Carbohydrate Association (ICO); 2004 Horace Isbell Award, American Chemical Society (ACS); 2014 Roy L. Whistler International Award in Carbohydrate Chemistry, ICO; 2015 Hudson Award, ACS; 2016 Arthur C. Cope Scholar Award, ACS
Current research	Glycoscience, synthetic vaccine and immune modulators, bioorthogonal chemistry, molecular recognition
Hobbies:	Cooking, reading, dog training, bee keeping

My favorite author (fiction) is Louis Paul Boon.

The downside of my job is spending too much time away from home.

My favorite motto is "with a little bit of luck".

The biggest problem that scientists face is administrators.

If I won the lottery, I would give it all away.

When I'm frustrated, I go for a walk with my dogs.

My favorite place on earth is home.

If I were not a scientist, I would be a chef.

My most exciting discovery to date has been to break immune tolerance against tumor-associated carbohydrate antigens with a fully synthetic vaccine.

My greatest achievement has been training students who eventually will start their own independent career.

My 5 top papers:

1. "Visualizing Metabolically Labeled Glycoconjugates of Living Cells by Copper-Free and Fast Huisgen Cycloadditions": X. Ning, J. Guo, M. A. Wolfert, G. J. Boons, *Angew. Chem. Int. Ed.* **2008**, *47*, 2253; *Angew. Chem.* **2008**, *120*, 2285. (A reagent that reacts exceptionally fast with azido-containing biomolecules.)
2. "Modular Synthesis of Heparan Sulfate Oligosaccharides for Structure–Activity Relationship Studies": S. Arungundram, K. Al-Mafraji, J. Asong, F. E. Leach III, I. J. Amster, A. Venot, J. E. Turnbull, G. J. Boons, *J. Am. Chem. Soc.* **2009**, *131*, 17394. (Allows the preparation of well-defined heparan sulfate oligosaccharide libraries.)
3. "Chiral auxiliary mediated 1,2-*cis*-glycosylations for the solid supported synthesis of a biologically important branched α -glucan": T. J. Boltje, J.-H. Kim, J. Park, G. J. Boons, *Nat. Chem.* **2010**, *2*, 552. (A combination of classical and auxiliary-mediated neighboring-group participation for controlling anomeric selectivities.)
4. "Immune recognition of tumor-associated mucin MUC1 is achieved by a fully synthetic aberrantly glycosylated MUC1 tripartite vaccine": V. Lakshminarayanan, P. Thompson, M. A. Wolfert, T. Buskas, J. M. Bradley, L. B. Pathangey, C. S. Madsen, P. A. Cohen, S. J. Gendler, G. J. Boons, *Proc. Natl. Acad. Sci. U.S.A.* **2012**, *109*, 261. (The vaccine was efficacious in reversing tolerance and generating a therapeutic response in a mouse model for breast cancer.)
5. "A General Strategy for the Chemoenzymatic Synthesis of Asymmetrically Branched *N*-Glycans": Z. Wang, Z. S. Chinoy, S. G. Ambre, W. Peng, R. McBride, R. P. de Vries, J. Glushka, J. C. Paulson, G. J. Boons, *Science* **2013**, *341*, 379. (The preparation of full cellular glycomes to investigate the specificities and biology of glycan-binding proteins.)

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