

A Journal of the Gesellschaft Deutscher Chemiker

Angewandte Chemie

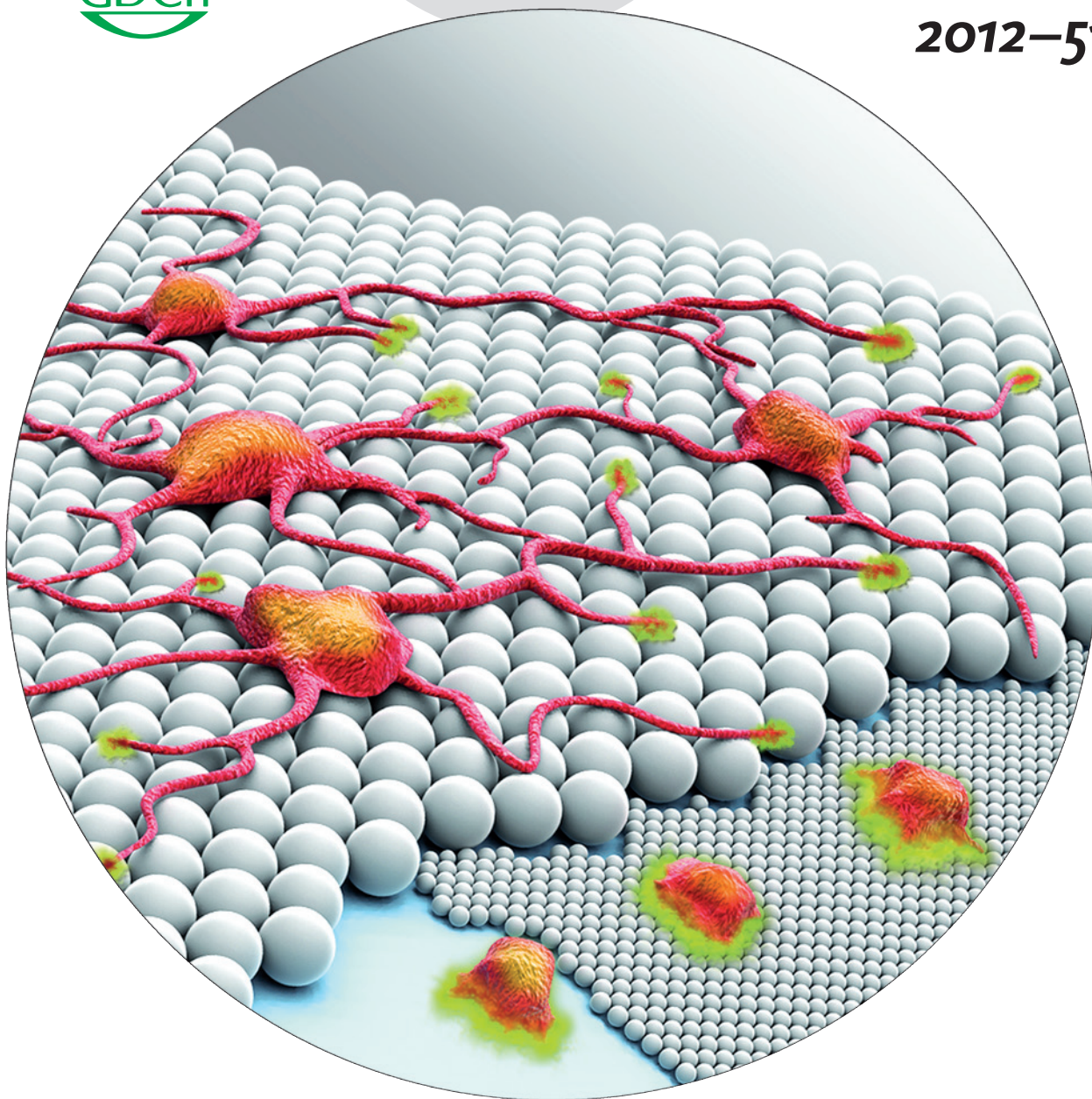
International Edition

D 3461



www.angewandte.org

2012–51/12



Gilbert Stork: In His Own Words

Jeffrey I. Seeman

Complex Amides from Isonitriles

Review by S. J. Danishefsky et al.

Molecular Allene Materials

Minireview by F. Diederich and P. Rivera-Fuentes

Highlights: Endofullerenes · Piperarborenines

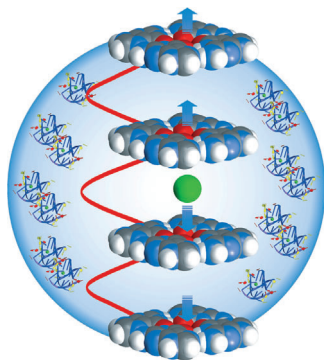
ACIEFS 51 (12) 2785–3028 (2012) · ISSN 1433–7851 · Vol. 51 · No. 12

 WILEY-VCH

Cover Picture

Kyungtae Kang, Sung-Eun Choi, Hee Su Jang, Woo Kyung Cho, Yoonkey Nam,* Insung S. Choi,* and Jin Seok Lee*

Topographical cues play an important role in in vitro neuronal development. In their Communication on page 2855 ff., Y. Nam, I. S. Choi, J. S. Lee, and co-workers show that neuritogenic acceleration occurs on silica-bead monolayers made up of beads with a diameter of more than 200 nm, but not on monolayers of beads with smaller diameters. The biochemical study indicates neurons sense topographical differences in nanostructures and alter their behavior accordingly.

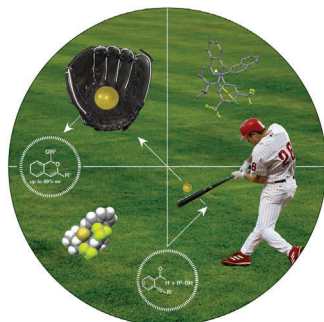
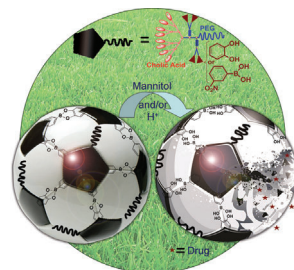


DNA Channels

In their Communication on page 2850 ff., G. Wu and co-workers describe the three-dimensional free-energy landscapes for the movement of Na^+ , K^+ , and NH_4^+ ions through G-quadruplex DNA channels. They found that the ease of passage is related to ion size.

Drug Delivery

A micellar cross-linked nanocarrier for on-demand drug delivery is described by J. Luo, K. S. Lam, and co-workers in their Communication on page 2864 ff. Drug release occurs when the cross-links are cleaved by the acidic tumor environment or by exogenous *cis*-diols.



Enantioselective Gold Catalysis

S. Handa and L. M. Slaughter describe in their Communication on page 2912 ff. the influence of weak metal- π interactions in AuI complexes on the enantioselective catalysis of a tandem addition/cycloisomerization reaction.