

A Journal of the Gesellschaft Deutscher Chemiker

# Angewandte Chemie

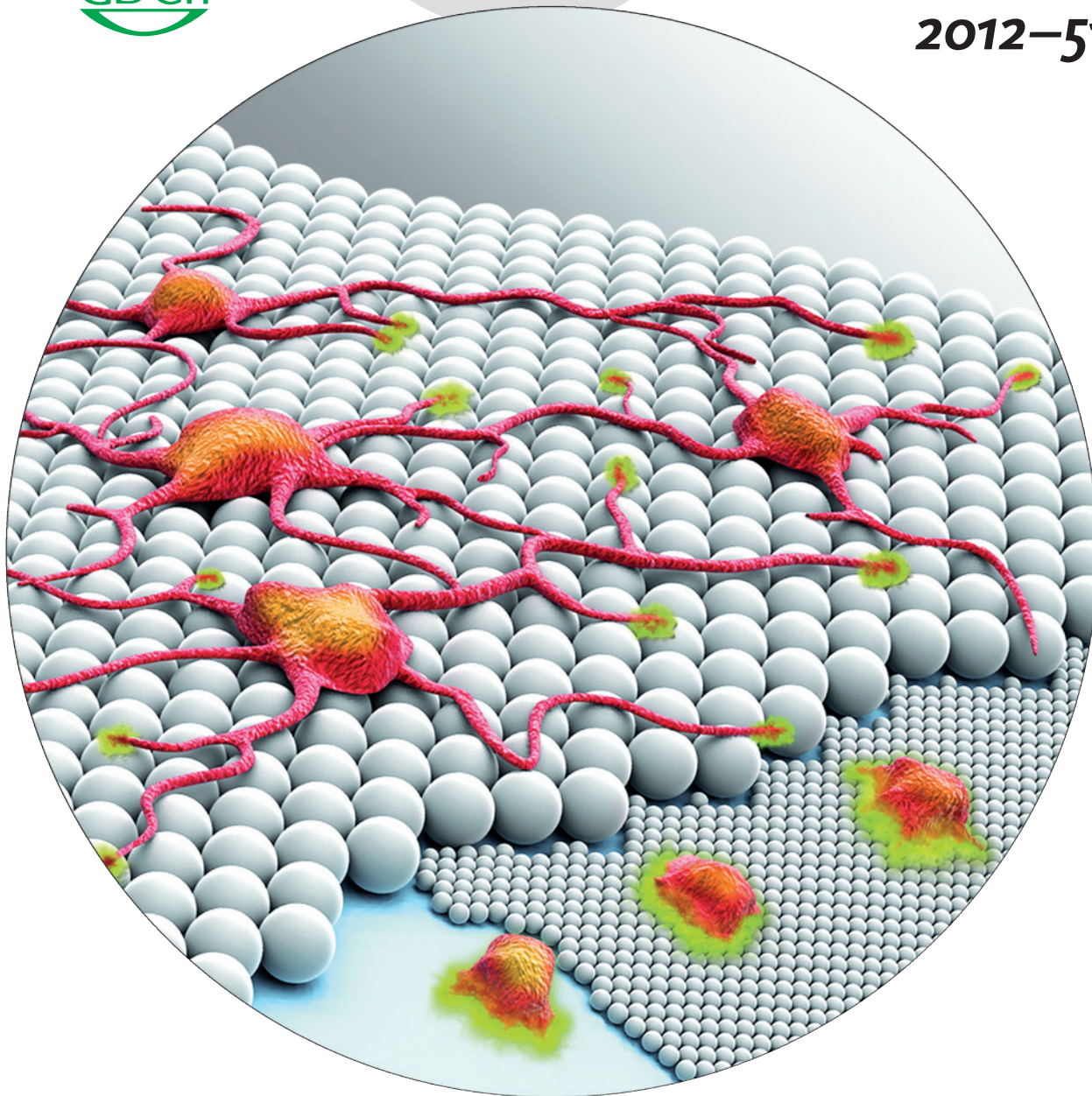
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2012–51/12



**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**

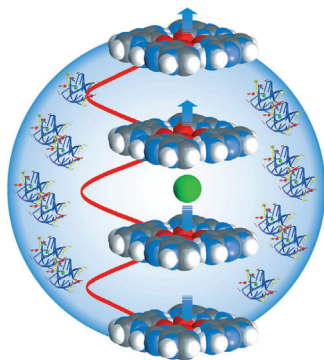
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## Cover Picture

**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.

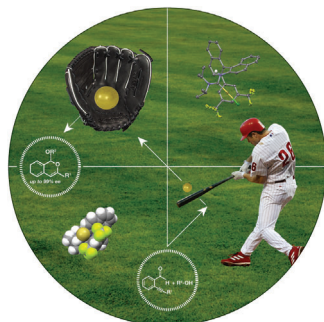
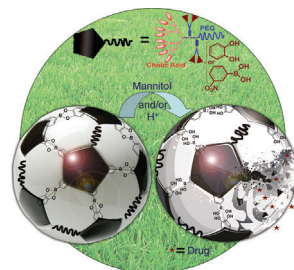


### **DNA Channels**

In their Communication on page 2850 ff., G. Wu and co-workers describe the three-dimensional free-energy landscapes for the movement of  $\text{Na}^+$ ,  $\text{K}^+$ , and  $\text{NH}_4^+$  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- $\pi$  interactions in AuI complexes on the enantioselective catalysis of a tandem addition/cycloisomerization reaction.