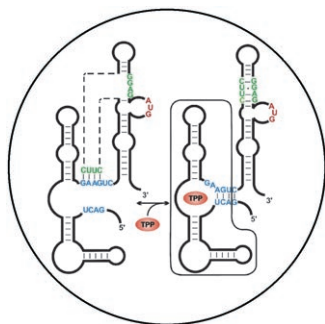
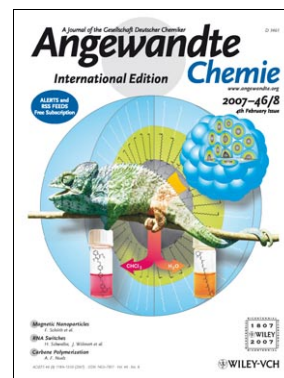


Cover Picture

Michał R. Radowski, Anuj Shukla, Hans von Berlepsch, Christoph Böttcher, Guillaume Pickaert, Heinz Rehage, and Rainer Haag*

Chemical chameleons is an apt description for a new class of dendritic multishell architectures that exhibit universal transport properties for a variety of guest molecules in a broad range of solvent environments. In their Communication on page 1265 ff., R. Haag and co-workers describe a supramolecular aggregation phenomenon that is responsible for the unique ability of these dendritic multishell architectures to encapsulate polar and nonpolar guests.

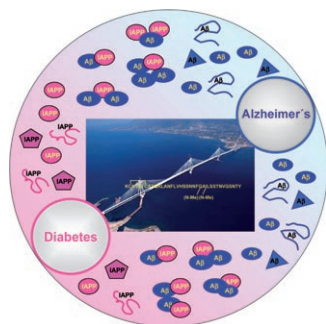
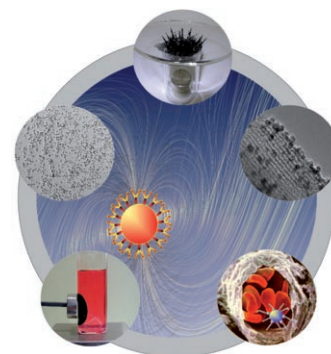


RNA Switches

Structural aspects and the mode of action of RNA switches are discussed by H. Schwalbe, J. Wöhnert, and co-workers in their Minireview on page 1212 ff. Particular focus is placed on the tertiary structures of RNA–ligand complexes and on molecular recognition in the ligand-binding pocket.

Magnetic Nanoparticles

In their Review on page 1222 ff., F. Schüth and co-workers discuss the preparation, stabilization, functionalization, and use of magnetic nanoparticles, as well as the magnetic properties of nanostructured systems.



Therapeutics for Amyloid Diseases

Alzheimer's disease and type II diabetes have something in common: the formation of aggregates of certain polypeptides. A. Kapurniotu and co-workers present a modified peptide that can prevent this process in their Communication on page 1246 ff.