

Nanotapes and π -Gels

Sol \rightleftharpoons **Gel**

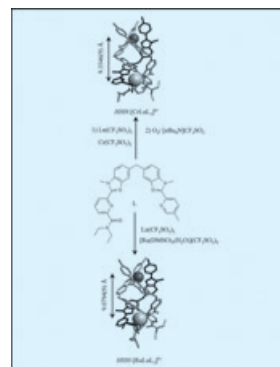
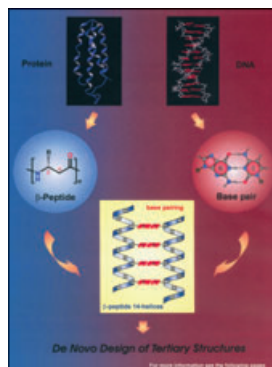
Gelation-Induced Modulation of Emission

Supramolecular Chemistry



In their Concept article on p. 3194 ff. P. H. Seeberger and D. B. Werz describe the impact of automated oligosaccharide synthesis on the field of glycobiology. Tools to map interactions of carbohydrates in biological systems are presented, and case studies of the successful application of carbohydrates as active agents are discussed.

In their paper on page 3207 ff U. Diederichsen and P. Chakraborty report on the self-assembling β -peptide 14-helices. An investigation on the stability of double-strand formation by comparison of the A-T and G-C pairing contributions of a variety of β -peptide helices was conducted. Furthermore, geometrical parameters like the preferred strand orientation, the positioning of β -homolysine within the β -peptide helix, and the influence of the helix content on duplex formation were evaluated.



C. Piguet, J.-C. G. Bünzli, and co-workers describe on p. 3228 how heterobimetallic d–f triple-stranded helicates $[\text{MLnL}_3]^{5/6+}$ ($\text{M} = \text{Cr}^{\text{III}}, \text{Ru}^{\text{II}}; \text{Ln} = \text{Nd}, \text{Er}, \text{Yb}$) provide an opportunity for programming intermetallic communication between d and f ions at long distances.

