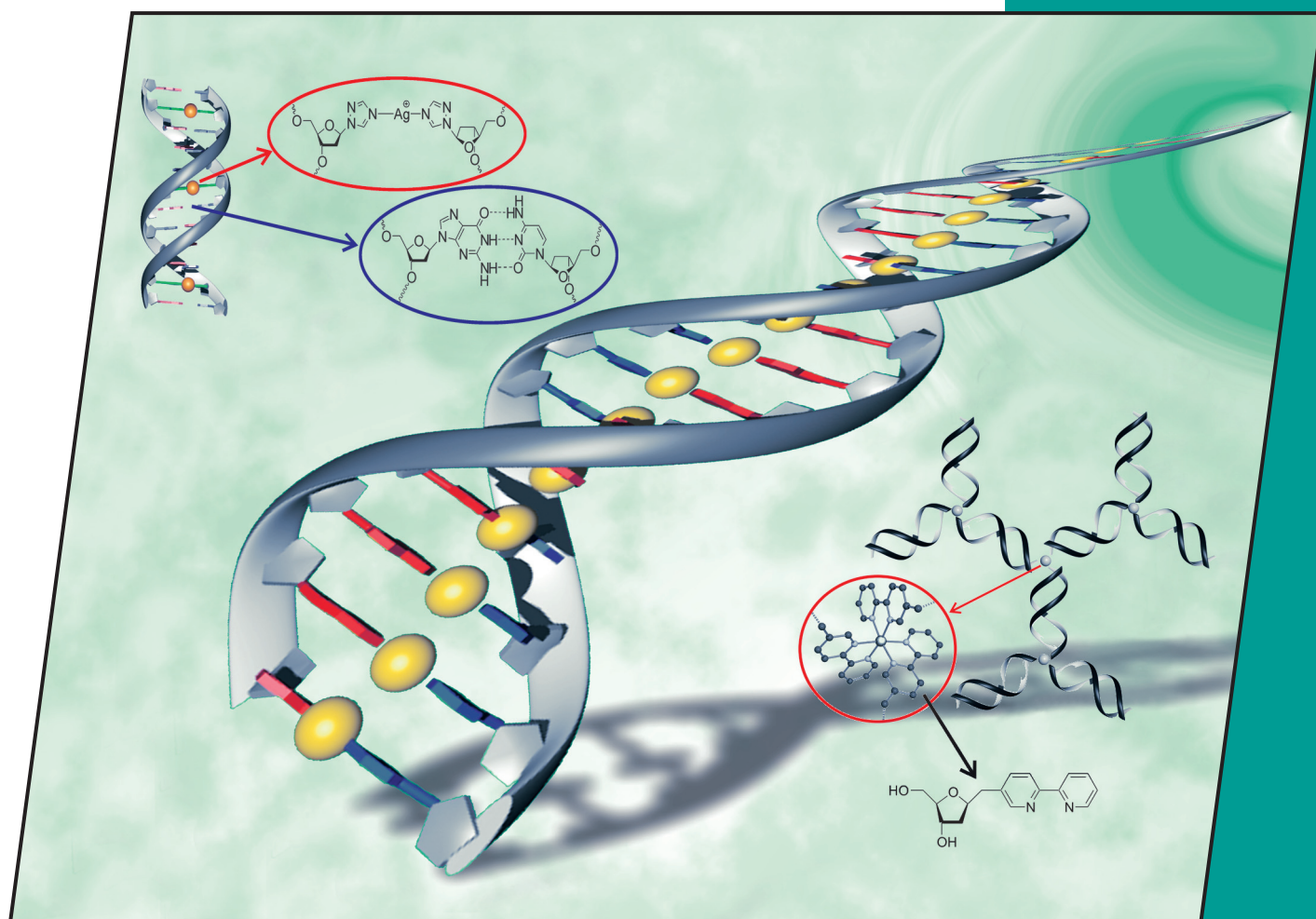


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Cover Picture/Microreview

Jens Müller

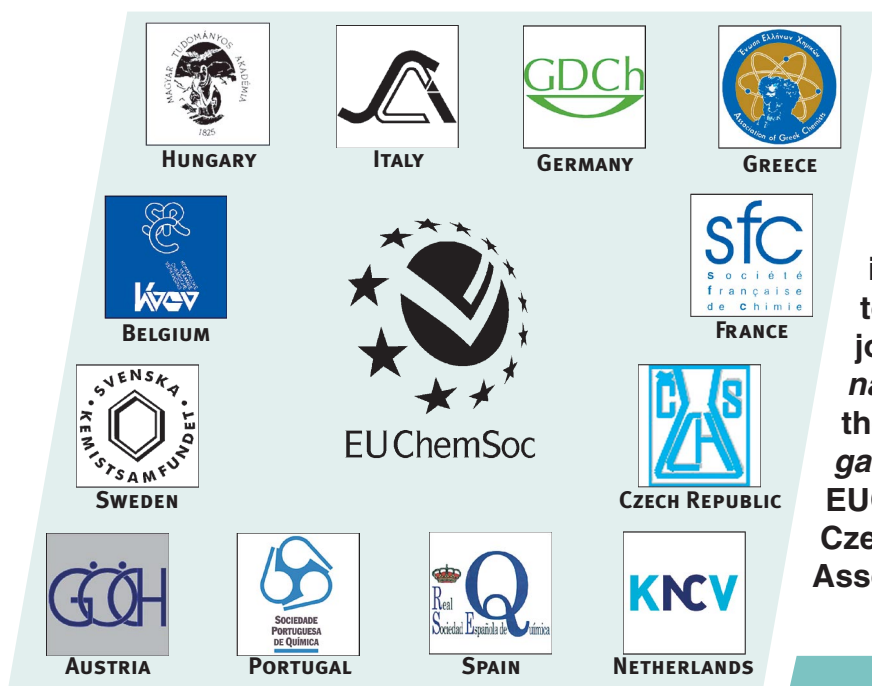
Metal-Ion-Mediated Base Pairs in Nucleic Acids

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The EUChemSoc Societies have taken the significant step into the future by merging their traditional journals, to form two leading chemistry journals, the *European Journal of Inorganic Chemistry* and the *European Journal of Organic Chemistry*. Three further EUChemSoc Societies (Austria, Czech Republic and Sweden) are Associates of the two journals.

COVER PICTURE

The cover picture shows examples of nucleic acids functionalized site-specifically with metal ions. This was achieved by incorporating artificial nucleosides with a high affinity towards metal ions, which leads to the formation of metal-ion-mediated base pairs. The scheme on the left is a representation of a B-type double helix comprising both natural and artificial base pairs. Shown in the middle is a duplex containing a continuous stack of metal-ion-mediated base pairs, whereas the scheme on the right displays the possibility of using these artificial nucleosides for the formation of DNA-based networks. The Microreview by Jens Müller on p. 3749ff gives an introduction into this exciting new area of bioinorganic chemistry. We thank Dominik A. Megger for designing the cover picture.

