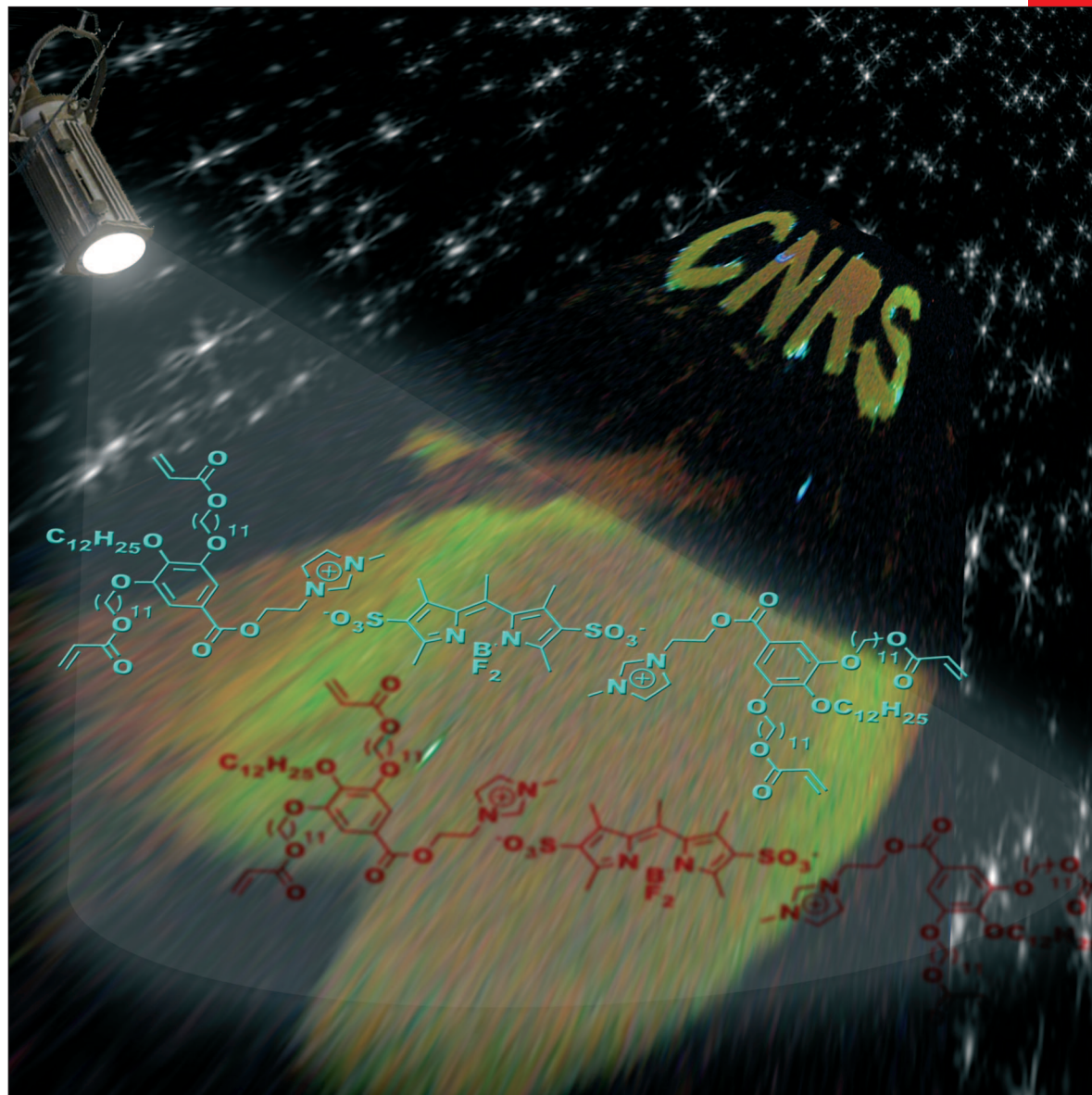


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Review

Advances in Platinum Chemotherapeutics

J. R. Aldrich-Wright et al.

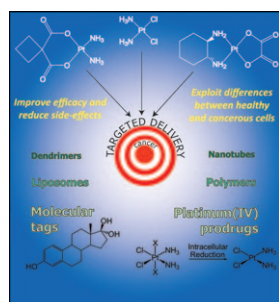
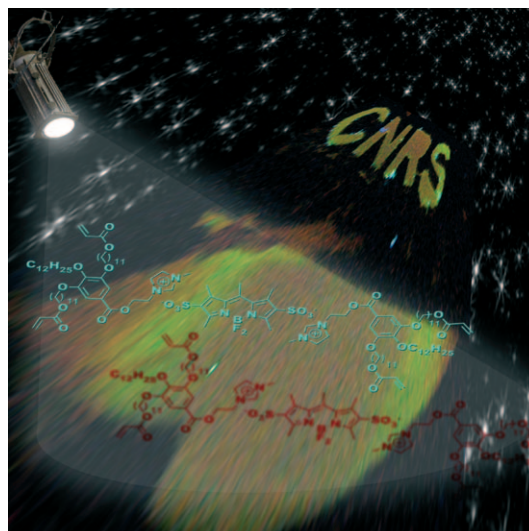
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Fluorescent...

... liquid crystalline complexes have been generated from fluorescent BODIPY disulfonate self-assembled with various amphiphilic imidazolium monocations and are described in the Full Paper on page 7134 ff., by J. Barberá, R. Ziesel et al. Information can be written on a fixed polymeric film by a radical photoinitiator and the patterned film can be read by visible-light excitation (in this example, a CNRS shadow-mask has been used).

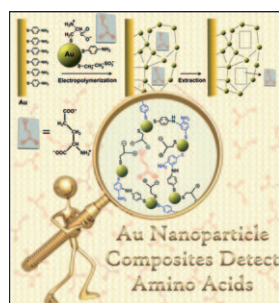
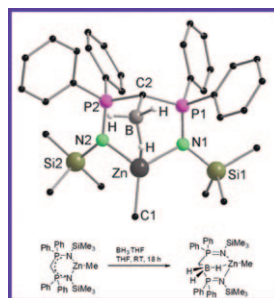


Drug Delivery

Research into platinum-based anticancer compounds has led to the development of a myriad of drugs, with only a small handful gaining approval. In their Review on page 7064 ff., J. R. Aldrich-Wright et al. highlight some of the recent advances in the field of platinum chemotherapeutics, with a focus on the technologies that attempt to utilize the cytotoxic nature of cisplatin, whilst improving drug targeting to reduce side effects.

BH₃ Coordination

Two different borane complexes of zinc have been synthesized by different synthetic pathways. In both compounds the borane molecule is κ^1 -coordinated to the zinc atom. This unusual coordination has not been reported previously in zinc chemistry, although BH₃ complexes of other metals are known. The reported results show that simple borane chemistry still gives some surprising reactions. For more details see the Communication by P. W. Roesky et al. on page 7096 ff.



Amino Acid Sensors

In their Full Paper on page 7114 ff., I. Willner et al. demonstrate the use of cysteine-functionalized, electropolymerizable, thioaniline-capped, Au NPs as an active material for the preparation of stereoselective and chiroselective matrices for sensing of amino acids. The electrostatic and hydrogen-bond interactions between the respective amino acids and the cysteine units associated with the NPs drive the formation of the imprinted molecular recognition sites during the electropolymerization process.

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