









GREEC





EUChemSoc













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 a chromophore of the Green Fluorescent Protein, which undergoes fast internal conversion by rotation causing the quenching of its fluorescence in solution. In contrast, the intact protein shows a high fluorescence quantum yield and there is still a need to understand the mechanism of this increase in fluorescence. The restriction of the chromophore's flexibility by simple π -stacking was achieved by incorporation of the chromophore into N-(2aminoethyl)glycine-peptide nucleic acid and by pairing with complementary DNA. Interestingly, fluorescence appeared upon pairing with DNA, even though the fluorescence quantum yield is far below that of the natural counterpart. Details are discussed in the article by T. Stafforst and U. Diederichsen on p. 899ff.

