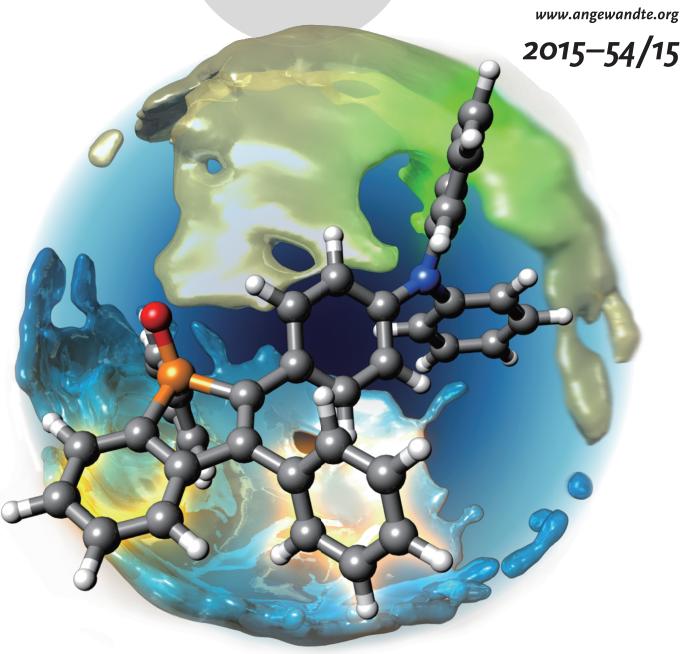
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A benzophosphole oxide ...

... as an electron-accepting unit is combined with an electron-donating aminophenyl group to form a fluorescent probe. A. Fukazawa, T. Higashiyama, S. Yamaguchi et al. show in their Communication on page 4539 ff. that the probe exhibits a fluorescence color change as a function of solvent polarity while retaining high fluorescence quantum yields. The molecule was used as an adipocyte dye and allowed a fluorescence-based discrimination of the polarity of subcellular components.

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