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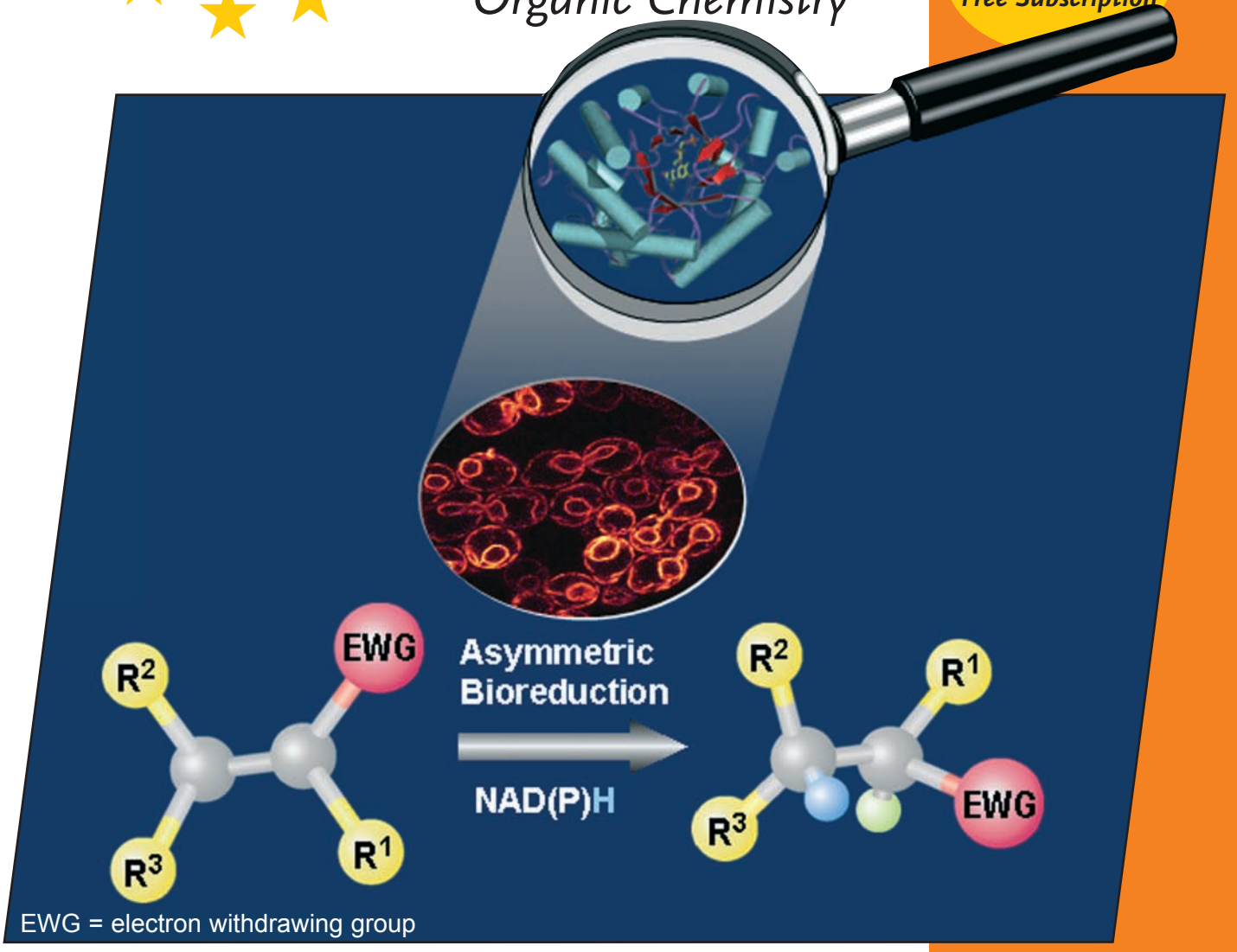

Cover Picture

Kurt Faber et al.

Asymmetric Bioreduction of Activated C=C Bonds

Microreview

Christophe Mathé and Christian Périgaud

Synthesis of Conformationally Restricted Nucleoside Analogues

WILEY-VCH

www.eurjoc.org

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EU ChemSoc

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 culture of yeast cells, whose flavin-dependent reductases – their three-dimensional structure is depicted in the magnifying glass – catalyse the asymmetric bioreduction of C=C bonds. Although these enzymes have been identified already in 1932, their true physiological role remains largely a mystery. Thanks to advances in genetic engineering, these biocatalysts are now becoming available in sufficient amounts to allow their application for preparative-scale biotransformations: Although their "natural" substrates are still unknown, the study of K. Faber et al. on p. 1511ff. shows that they accept an astonishing variety of alkenes bearing an electron-withdrawing group – such as enals, enones, α,β-unsaturated imides, or nitroalkenes – to furnish the corresponding alkanes with excellent stereoselectivities. S. Kohlwein and G. Oberdorfer are thanked for their contribution in the design of the graphic.