Inside Cover: Light-Induced Movement of the Transmembrane Helix B in Channelrhodopsin-2 (Angew. Chem. Int. Ed. 37/2013)

ARTICLE *in* ANGEWANDTE CHEMIE INTERNATIONAL EDITION · SEPTEMBER 2013

Impact Factor: 11.26 · DOI: 10.1002/anie.201305677

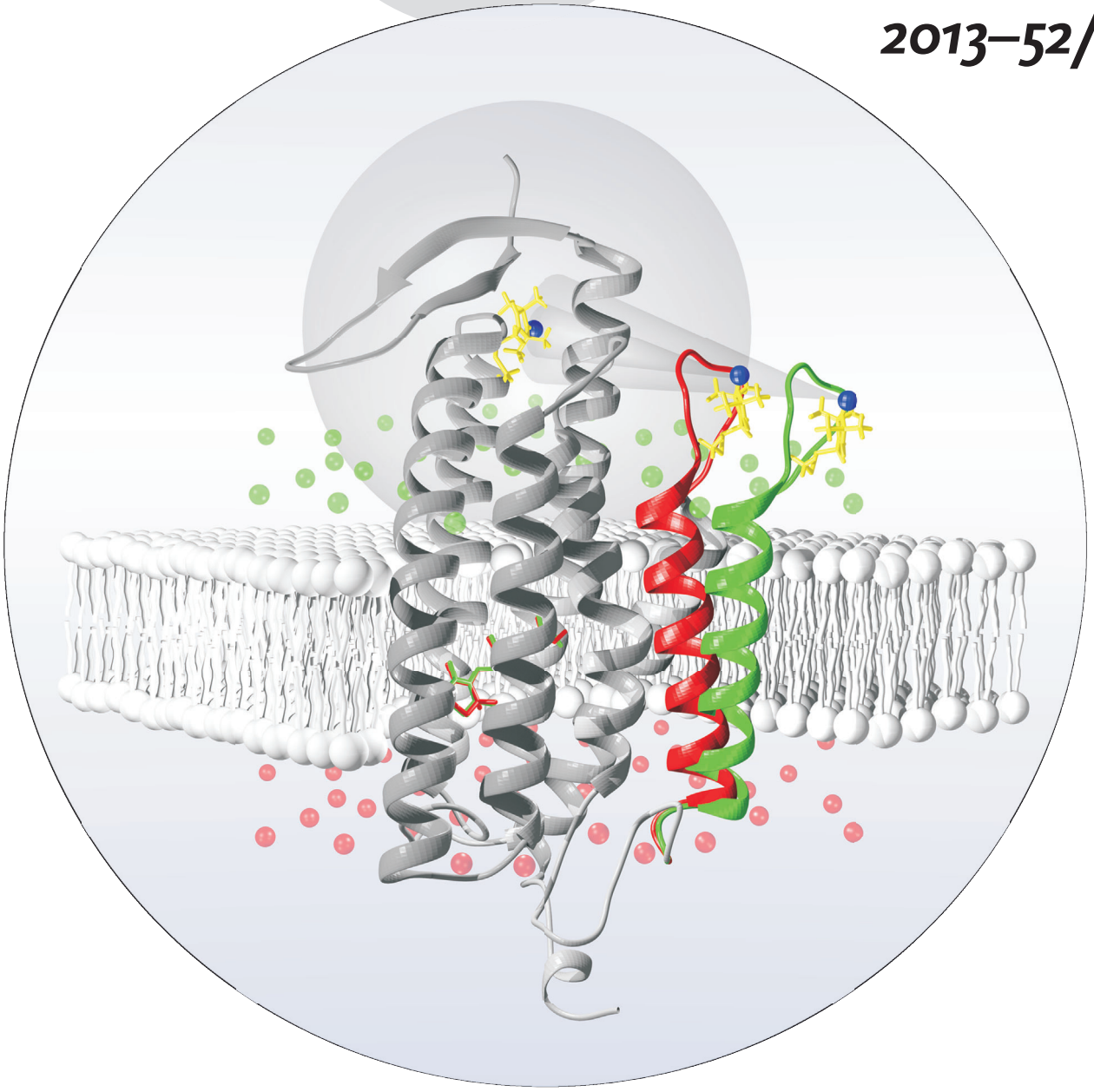
A Journal of the Gesellschaft Deutscher Chemiker

Angewandte International Edition Chemie

GDCh

www.angewandte.org

2013–52/37



Upon light activation ...

… of channelrhodopsin-2 the isomerization of the retinal chromophore triggers a sequence of structural changes finally emerging in an outward movement of the transmembrane helix B. In their Communication on page 9705 ff., C. Bamann et al. show that this movement could be linked to the transition from the closed to the open state that allows the permeation of cations through the light-gated cation channel.

125 YEARS Angewandte Chemie

WILEY-VCH