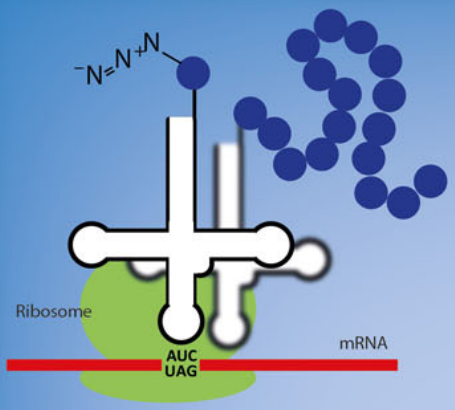
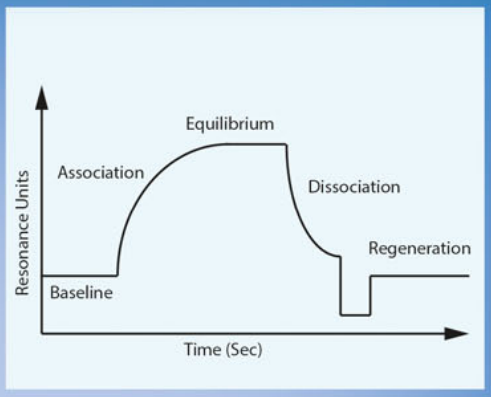
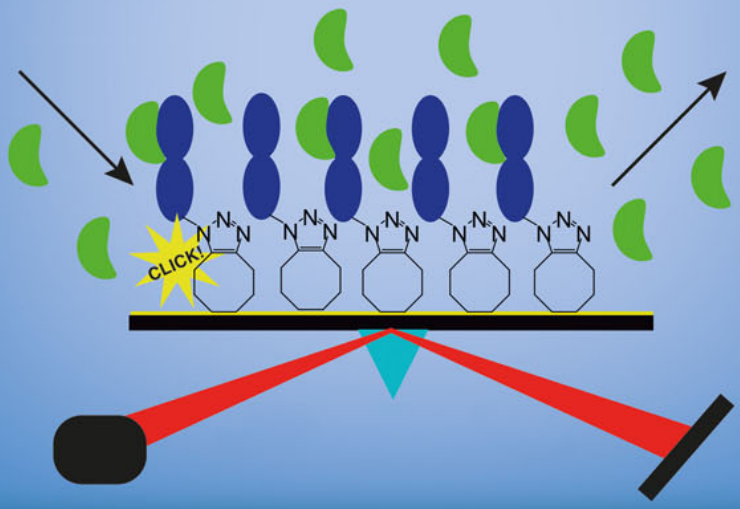
A EUROPEAN JOURNAL OF CHEMICAL BIOLOGY

CHEMBIOCHEM

SYNTHETIC BIOLOGY & BIO-NANOTECHNOLOGY







2016

Cover Picture:
E. Breukink et al.
Site-Specific Immobilization of the Peptidoglycan Synthase PBP1B on a Surface Plasmon Resonance Chip Surface

WILEY-VCH

www.chembiochem.org

A Journal of
ChemPubSoc Europe

COVER PICTURE

*I. L. van't Veer, N. O. L. Leloup, A. J. F. Egan, B. J. C. Janssen, N. I. Martin, W. Vollmer, E. Breukink**

■■ – ■■

Site-Specific Immobilization of the Peptidoglycan Synthase PBP1B on a Surface Plasmon Resonance Chip Surface

The inside cover picture shows a schematic representation of the creation of a protein with a site specifically incorporated unnatural amino acid containing an azide functionality by using nonsense suppression mutagenesis (upper left). This creates the possibility to immobilize the protein on a cyclooctyne-functionalized surface plasmon resonance (SPR) chip surface in a homogeneous way with respect to its orientation (lower). This is used to measure protein–protein interactions by SPR (upper right). More information can be found in the full paper by E. Breukink et al. (DOI: 10.1002/cbic.201600461).