



Chemical Biology and Organic Chemistry Seminar

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When Staudinger Meets Huisgen – Chemoselective Synthesis of Functional Peptide and Protein-Conjugates

The Hackenberger laboratory aims to develop new chemoselective organic transformations for studying the biological and functional aspects of protein modifications. In this, we have recently identified Staudinger reactions with different P(III)-reagents including phosphites and phosphonites to deliver functional peptide and protein-conjugates. Applications of these reactions include a PEGylation strategy for the intracellular stabilization of peptides, a novel concept for the formal coupling of two azido-containing molecules and the generation of protein-based scaffolds for the presentation of multivalent ligands.



Tuesday, September 17th 3:30 pm Room 1315 Chemistry