



Einladung zum Vortrag von

Prof. Dr. Matthew Gaunt

Department of Chemistry, University of Cambridge

„New catalytic strategies for chemical synthesis“

My group is focused on the development of new catalyst-controlled reactivity concepts that enable novel transformations in chemical synthesis. This lecture will focus on a number of different aspects of our current research programs. Firstly, the lecture will detail our work towards the discovery and development of general platform for palladium-catalysed C–H bond activation on aliphatic amines. The chemistry described here leads to the selective transformation of a range of C–H bonds adjacent to an unprotected secondary amine into synthetically versatile nitrogen containing molecules and leads to a number of applications of relevance to practitioners of synthetic and medicinal chemistry. The second part of the lecture will focus on the development of a strategy for the selective functionalization of methionine residues in proteins, and detail how this bioconjugation process can be used to generate complex, information rich protein scaffolds.

Mittwoch, 14. Juni 2017, 16:15 Uhr
Hörsaal 3
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