

UniCat Colloquium

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Lecturer: **Dr. Martin Grninger, Max-Planck-Institute of Biochemistry, Dep. Membrane Biochemistry, Martinsried, Germany**

Title: **The Chemistry and Biology of Megasyntases**

Abstract: The megasynthase protein family comprises fatty acid synthases, polyketide synthases and non-ribosomal peptide synthases, representing the machineries responsible for the synthesis of fatty acids and a wealth of bioactive compounds. Exploiting the high potential of these proteins for directed synthesis of medicinal relevant compounds is a very ambitious project in modern organic chemistry. The key in establishing megasynthases-mediated natural compound synthesis is the detailed insight into the structure-function-relationship of these proteins. As our understanding of the underlying multifunctional catalysis improves, the prospect of producing compounds by modulating existing pathways, or even building new pathways from scratch, may become reality.

Date: **Wednesday, 08 Dezember 2010**

Time: **5:15 pm - around 6:45 pm**

Location: **TU Berlin,
Institute of Chemistry,
Building C, Room C 243
Straße des 17. Juni 115,
10623 Berlin,**

Organiser: Prof. Dr. Peter Hegemann (HUB)

Coffee and tea will be served thirty minutes prior to the lecture start.
Guests are cordially invited to attend!

Prof. Dr. Matthias Driess, Chair of the Cluster of Excellence UniCat