

# UniCat Colloquium

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Lecturer: **Prof. Peter Leadlay**, Department of Biochemistry,  
University of Cambridge, UK  
Alexander von Humboldt Research Award 2011,

Title: ***Where will new antibiotics come from?***

Abstract: Natural products from bacteria continue to provide a rich source of chemical diversity in antibiotic research, helping to combat the threat of rising drug resistance. The chemistry, biochemistry and genetics of the biosynthetic pathways to these natural products are now being deciphered at an unprecedented rate, revealing both unusual enzymes and rich opportunities for engineering and redesign to create novel compounds.

Examples will be given of recent work in Cambridge on the genome mining of multiple biosynthetic gene clusters, on in vitro reconstitution of entire biosynthetic pathways, and on the preparation of focussed libraries of bioactive analogues starting from a validated drug lead.

Find more about Prof. Leadley on <http://www.bioc.cam.ac.uk/uto/leadlay>

Date: **Wednesday, April 10<sup>th</sup>, 2013**

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

Location: **TU Berlin, Institute of Chemistry  
Straße des 17. Juni 115, 10623 Berlin  
Building C, Lecture Hall C 264**

Organizer: **Prof. Roderich Süßmuth (TUB)**

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