

UniCat Colloquium

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Lecturer: **Dr. Erwin Reisner**, Head of Christian Doppler Laboratory for Sustainable SynGas Chemistry, Dep. of Chemistry, University of Cambridge, UK

Title: ***Artificial photosynthesis with bio-inspired hybrid materials***

Abstract: Artificial photosynthesis is a chemical process that captures and stores the energy from sunlight in a chemical fuel (a so called solar fuel). This renewable process requires the finely tuned combination of light absorption, charge separation and chemical catalysis, which is superbly coupled in natural photosynthesis but much less so by artificial systems. This presentation will summarise our recent progress in developing approaches to interface enzymes and synthetic catalysts with semiconductor materials to photo-split water as a sustainable route to the energy vector hydrogen.

Find more about Dr. Reisner on <http://www-reisner.ch.cam.ac.uk/group.html>

Date: **Wednesday, October 30th, 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. Matthias Driess (TUB) and
Dr. Ingo Zebger (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