

VORTRÄGE IM RAHMEN DES SONDERFORSCHUNGSBEREICHS 623  
DER UNIVERSITÄT HEIDELBERG  
MOLEKULARE KATALYSATOREN: STRUKTUR UND FUNKTIONSDESIGN

**Freitag, 16. Juli 2010, 11 h c.t.**  
**Kleiner Hörsaal, Im Neuenheimer Feld 252**

**Prof. Dr. Kevin Burgess**

*Department of Chemistry,  
Texas A & M University*

## **Chiral Crabtree Catalyst Analogs for Syntheses of Valuable Chirons**

Hydrogenation of “largely unfunctionalized” alkenes has been an active area of research for about a decade. Many catalysts have been prepared but we noticed that comparatively few substrates have been studied. That motivated us to investigate asymmetric hydrogenations of dienes and polyenes. It emerged that such reactions could provide a concise entry point into chirons for that can be used to prepare many natural products. This talk will discuss our chiral carbene catalyst system for hydrogenation of largely unfunctionalized alkenes, applied to prepare widely used chirons for organic syntheses.

Gäste sind herzlich willkommen.

Bei Interesse an einem Gesprächstermin wenden Sie sich bitte an  
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DER SPRECHER  
gez. Prof. Dr. L. H. Gade