



**GBM-LECTURE**



JOHANNES GUTENBERG  
UNIVERSITÄT MAINZ

## **EINLADUNG ZUM VORTRAG**

Am **Freitag, den 15. Juli 2016 um 14:30 Uhr**, hält

**Herr Prof. Dr. Felix Wieland**

Biochemie Zentrum der Universität Heidelberg (BZH)

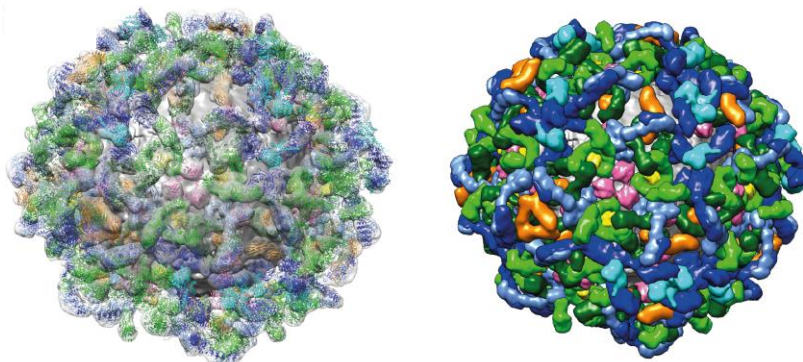
den Vortrag

### **Molecular Mechanisms of Vesicular Transport: Players and Rules**

Dieser findet statt im Institut für Pharmazie und Biochemie der Johannes Gutenberg-Universität Mainz, Staudinger Weg 5, Seminarraum 00 112 (EG)

**Mit Verleihung der GBM - Diplom-/Masterpreise und  
„Meet the speaker“ bei Brezel und Wein nach dem Vortrag**

gez. Prof. Dr. Claudia Koch-Brandt



Transport of material within cells is mediated by trafficking vesicles that bud from one cellular compartment and fuse with another. Formation of a trafficking vesicle is driven by membrane coats that localize cargo and polymerize into cages to bend the membrane. While extensive structural information is available for components of these coats, the heterogeneity of trafficking vesicles has prevented an understanding of how complete membrane coats assemble on the membrane. Based on the structure of COPI coated vesicles and on biochemical data, we have gained insight into the molecular mechanisms that underlie formation of these carriers. I will discuss the formation of COPI vesicles with regard to their recruiting the coat, their scission (separation from their donor membrane), as well as release and recycling of their coat.