SFB 924-/BZR – Kolloquium

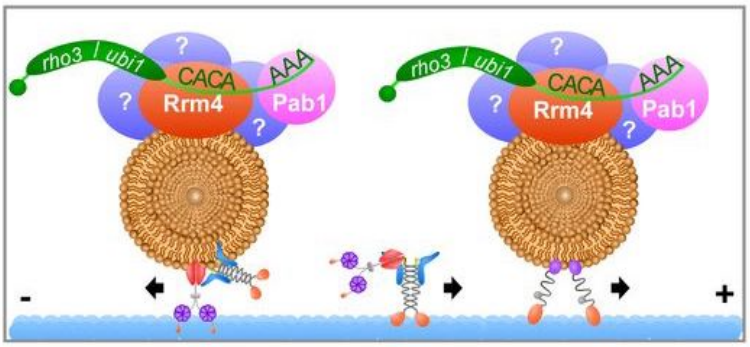
Donnerstag, 9. November 2017

14:00 Uhr, H 53

Prof. Dr. Michael Feldbrügge
Institute for Microbiology,
Heinrich-Heine Universität Düsseldorf

"A transcriptome-wide view on endosomal mRNA transport"

The plant pathogen *Ustilago maydis* is the causative agent of corn smut disease. Prerequisite for infection is a drastic morphological switch from yeast-like to filamentous growth. RNA-binding proteins are important regulators of this developmental program. The Feldbrügge lab applies *in vivo* approaches to visualize and study RNA Biology in *Ustilago maydis.* During recent years the lab has focused on the roles of the RNA-binding proteins Rrm4 during microtubule-dependent mRNA transport and Khd4 during regulation of morphology and pathogenicity. They are identifying the composition of associated mRNP particles, establish how mRNPs are associated with endosomes, and elucidate the connection between disturbed polarity and reduced pathogenicity.



Host: Prof. Dr. Thomas Dresselhaus

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