

Regulation und Pathologie

**von homöostatischen Prozessen**  
der visuellen Funktion



## **Forschergruppe 1075**

### **Vortragsankündigung**

#### **Restoring visual function by using microbial opsins**

**Dr. Jens Dübel**

Friedrich Miescher Institute for Biomedical Research, Basel

Am 17.02.2011 um 18.00 Uhr

im Klinikum der Universität, Seminarraum A2



Dr. Jens Dübel is member of the group of Prof. Botond Roska at the Friedrich Miescher Institute for Biomedical Research in Basel. He is a physiologist interested in the function of the neuronal network underlying the signal transduction and processing of visual information in the retina. Using state-of-the-art technologies such as two-photon microscopy in conjunction with transgenic animals he unravelled new mechanisms of bipolar cell-horizontal cell interaction and solved the mechanism that is responsible for bipolar cell inhibition. His publications represent milestones in the understanding of retinal function and were published in high ranking journals. Recently, he provided the major evidence in a breakthrough paper on the therapeutic potential of bacterial channelrhodopsins.



Sprecher der FOR 1075: Prof. Dr. Ernst Tamm  
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