



## **Forscherguppe 1075**

Regulation und Pathologie von  
homöostatischen Prozessen  
der visuellen Funktion

### **Vortragsankündigung**

## **"How to cope with stress: Molecular safety mechanisms for photoreceptor survival"**

### **Professor Dr. Christian Grimm**

Laboratory for Retinal Cell Biology, Dept. Ophthalmology, University of Zurich

am Dienstag, den 20. Januar 2009 um 18.00 Uhr  
im Klinikum der Universität, Hörsaal Pathologie



Prof. Grimm leads the Laboratory of Retinal and Cell Biology at the Department of Ophthalmology of the University of Zürich. With his regular publications in journals with highest impact he is a leading scientist in the field of retinal degeneration. In his work he not only provided essential knowledge about new signaling pathways leading to death of photoreceptors, but also found surprising protective mechanisms which opened new routes to define targets for therapy. Milestones in his work are the discovery of c-fos-dependent signaling pathways leading to photoreceptor cell death, activated rhodopsin can induce apoptosis cascades in light-damage and the identification of an intrinsic erythropoietin system of the retina which can protect against light-induced retinal damage. In his current work he focuses on the role of the supporting tissues of the retina for the signaling pathways that lead to apoptosis of photoreceptors.



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