

Regulation und Pathologie

**von homöostatischen Prozessen**  
der visuellen Funktion



## **Forscherguppe 1075**

### **Vortragsankündigung**

# **Why do Factor H Gene Mutations Cause AMD, a Retinal Disorder, and also MPGN, a Renal Disease?**

## **Prof. Dr. Peter Zipfel**

International Leibniz Research School for Microbial and Biomolecular Interactions ILRS, Jena

Am Donnerstag, 19.01.2012 um 18.00 Uhr  
im Klinikum der Universität, Seminarraum A2



Prof. Dr. Peter Zipfel is head of the Department Infection Biology at the Hans-Knöll Institute, the Leibniz Institute for "Naturstoff-Forschung und Infektionsbiologie" in Jena. His research focuses on the non-specific immune response, mainly on the regulation of complement system activity and its interaction with immune cells. With this research focus he has contributed major publications on a variety of human diseases including kidney diseases and age-related macular degeneration. With more than 200 publications in outstanding journals such as Nature or New Engl. J Medicine he is one of the leading experts in complement system research. With the detection of the association of polymorphisms in genes of the complement system with the risk of age-related macular degeneration he entered the field of retinal degenerations. In several key publications he showed how these polymorphisms change the function of complement proteins and opened the route to understand new basic mechanisms in the etiology of age-related macular degeneration. The research of Prof. Zipfel was highly awarded with numerous research prizes among them are the "Lecture Award of the European Immunological Societies", the "Main Prize of the German Society for Hygiene and Microbiology" and the "Heinz-Spitzbart Prize".



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