



## Forscherguppe 1075

### Vortragsankündigung

## Molecular composition and function of photoreceptor cilia

### Prof. Dr. Uwe Wolfrum

Johannes Gutenberg Universität, Mainz

Am Donnerstag, 01. März 2012 um 18.00 Uhr  
im Klinikum der Universität, Seminarraum A2



Prof. Dr. Uwe Wolfrum studied biology and philosophy at the University of Bayreuth and the MPI for behavioural physiology in Seewiesen, and received his Ph.D. in the Institute of Zoology at the University of Regensburg under the direction of Prof. Dr. H. Altner (Thesis: cytoskeletal elements in insect sensory organs). During his postdoctoral training at the Institute for Cell and Neurobiology at the TU Karlsruhe and the Department of Biochemistry & Molecular Biology at the Mayo Clinic Foundation in Rochester (USA) he got interested in vertebrate sensory cells. Shortly after his Habilitation in 1999, he became a full Professor in Zoology at the Johannes Gutenberg University in Mainz. His research aims at the functional elucidation of ciliated sensory cells. His main interest is focused on molecules involved in intracellular transport processes in photoreceptor cells and protein networks associated with Usher syndrome. Prof. Wolfrum's lab has an outstanding long-term expertise in high-resolution light, fluorescence and electron microscopy and it combines molecular biology with protein biochemistry and cell biology. More recently, his lab started to establish gene-based therapies for retinal diseases.