Regulation und Pathologie
von homöostatischen Prozessen
der visuellen Funktion

Forschergruppe 1075

Vortragsankündigung

When grey matters: Genetic and molecular basis of complete and incomplete colourblindness

Dr. Bernd Wissinger

Universitäts-Augenklinik Tübingen

Am Donnerstag, 19.11.2009 um 18.00 Uhr
im Klinikum der Universität, Seminarraum A2

Prof. Dr. Bernd Wissinger is the leader of the Laboratory of Molecular Genetics at the Department of Ophthalmology of the University Hospital Tübingen. His main research interests are the mechanisms leading to loss of color vision in humans. He is the scientific coordinator of the DFG Clinical Research Group KFEN "Hereditary retinal disorders: clinical aspects, genetic and animal models". The Tübingen group sees the largest collection of patients suffering from color vision deficiencies and succeeds in the close collaboration between clinicians and physiologists. Professor Wissinger is one of the leading scientists in the analysis of the genetic causes for color vision impairment. He published in the most outstanding journals in the field of genetics. Among his contributions is the discovery of cone specific cGMP gated cation channels and their modulators as disease-leading genes in color vision deficiency. More recently, he has turned his focus to the combined analysis of genes, function of their gene products, and changes of function in mutants.

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