



Forscherguppe 1075

Vortragsankündigung

New strategies for protecting retinal ganglion cells from cell death and promoting axon regeneration in the optic nerve

Prof. Dr. Dietmar Fischer

Universität Ulm

Am Donnerstag, 24.06.2010 um 18.00 Uhr
im Klinikum der Universität, Seminarraum A2



Prof. Dr. Dietmar Fischer is group leader for Experimental Neurology at the Department of Neurology of the University Ulm. His research focuses on the regeneration of axons after neuronal damage. Using the optic nerve as a model he substantially contributed both to the field of neurology and of ophthalmology. In his work, he could describe inhibitory pathways which prevent directed nerve fiber outgrowth and found strategies to switch off these pathways in order to develop new routes of therapeutic intervention. The strategies include application of growth-factors such as CNTF, gene therapy, intraocular injections of toll-receptor antagonists and modulation of macrophage interaction. He published in the leading journals of both neuroscience and eye research.