



Forscherguppe 1075

Regulation und Pathologie von
homöostatischen Prozessen
der visuellen Funktion

Vortragsankündigung

“Optic chiasm malformation – insights into the reorganisation of the human visual system”

PD Dr. Michael Hoffmann

Ophthalmic clinic of the University Magdeburg

Am Donnerstag, 18. Juni 2009 um 18.00 Uhr
im Klinikum der Universität, Seminarraum A2



PD Dr. Michael Hoffmann is the leader of the Visual Processing Lab at the Department of Ophthalmology of the Otto-von-Guericke-Universität Magdeburg. His research interest is to understand the processing of visual information. He analyses the function of the visual pathways with the methods multifocal pattern VEPs, multifocal pattern ERG and fMRI. In his work, he contributed significantly to our understanding of motion perception and visual-motor integration. In his current work, he analyzed how visual information is processed in human albinism. Here he could show how the visual cortex is able to maintain the spatial orientation although the neuronal pathway between retina and visual cortex is wrongly connected. It seems that the visual cortex is able to process wrong information in the right way. In his talk he will show us how the human visual system is able to reorganize to perform processing from malformed optic nerve chiasm.



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Sprecher der FOR 1075: Prof. Dr. Ernst Tamm,
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