



Forscherguppe 1075

Regulation und Pathologie von
homöostatischen Prozessen
der visuellen Funktion

Vortragsankündigung

“Dissecting the structure and function of photoreceptor ribbon synapses - Insights from mutant mice”

Professor Dr. Johann Helmut Brandstätter

Animal Physiology, Department of Biology at University of Erlangen-Nuremberg

am Donnerstag, den 19. März 2009 um 18.00 Uhr
im Klinikum der Universität, Seminarraum A2



Prof. Dr. Johann Helmut Brandstätter is the Head of Institute for Animal Physiology at the Department of Biology of the Friedrich-Alexander-University Erlangen-Nürnberg. From his earliest publications, he specialized in studying on the synaptic transmission at the photoreceptor synapse. Prof. Brandstätter is one of the leaders in the field whose contributions represent important milestones in the new understanding of signal processing in the retina. Among his contributions is the discovery of an alternative pathway for rod signals which bypasses the rod bipolar cells. Moreover, he contributed greatly to an understanding of the function of the ribbon synapse of photoreceptors as he unraveled the interactions between the essential proteins Bassoon and RIBEYE. His current research projects include studies of synaptopathies in neurological disorders and neurodegenerations.



Universität Regensburg
Sprecher der FOR 1075: Prof. Dr. Ernst Tamm,
Lehrstuhl für Humananatomie und Embryologie