



EINLADUNG

zum Vortrag im Rahmen des Seminars des SFB/TRR 31

Freitag, 18. Juli 2014, 14 Uhr c.t.

im Raum H28 / R 2.31 des Med. Campus Magdeburg
und Raum W2 1-143 der Universität Oldenburg
(per Videoübertragung)

***"Predisposition for and prevention of subjective
tinnitus"***

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Dysfunction of the inner ear as caused by presbycusis, injuries or noise traumata may result in subjective tinnitus, but not everyone suffering from one of these diseases develops a tinnitus percept and vice versa. The reasons for these individual differences are still unclear and may explain why different treatments of the disease are beneficial for some patients but not for others. Here we compare behavioral and neurophysiological data on different levels of the auditory pathway (brainstem, cortical input and output) from hearing impaired Mongolian gerbils with (T) and without (NT) a tinnitus percept that may elucidate why some specimen do develop subjective tinnitus after noise trauma while others do not. In addition, we investigate whether the *Ginkgo biloba* extract EGb 761® may have protective and/or curative effects against noise induced hearing loss and tinnitus development.