



EINLADUNG

zum Vortrag im Rahmen des Seminars des SFB/TRR 31

Freitag, 17. April 2015, 11.00 Uhr c.t.

im Raum W30 0-33/34 der Universität Oldenburg (NeSSy)
und Raum H28 / R 2.31 des Med. Campus Magdeburg (per Videoübertragung)

"Towards new methods to probe auditory nerve firing"

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Sound-evoked compound action potential (CAP), which captures the synchronous activation of the auditory nerve fibers, is commonly used to probe deafness in experimental and clinical settings. Recently, we show that CAP amplitude remains normal after the ablation of lower-spontaneous rate fibers (i.e. higher-threshold fibers) because their first spike latency is both delayed and jittered (Bourien et al, 2014). Then, we are developing an alternative method to detect the low-SR fiber activity using round window neural noise.