



EINLADUNG

zum Vortrag im Rahmen des Seminars des SFB/TRR 31

Freitag, 3. März 2017, 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)

"Music induced adaptive and maladaptive plasticity"

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Performing music at a professional level is probably the most demanding of human activities. During skill acquisition, plastic adaptations of the CNS occur at several levels of the central nervous system and can be impressively demonstrated with functional and structural brain imaging methods. In my contribution, I will present new data on functional plasticity in musicians casting some doubt on the quality of "everlasting plasticity" of the brain. I furthermore will demonstrate that motor disturbances such as musician's dystonia are either linked to psychological traits, or to basal ganglia dysfunction. Here, anxiety, reinvestment and dysfunctional plasticity play an important role. Finally, I will present a new model accounting for our findings concerning the triggering factors of musician's dystonia.