



EINLADUNG

zum Vortrag im Rahmen des Seminars des SFB/TRR 31

Freitag, 14. Juni 2013, 14 Uhr c.t.

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

“The role of alpha oscillations in temporal attention”

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Attention is the ubiquitous construct referring to the ability of the brain to focus resources on a subset of perceptual input to which it is trying to process for a response. Attention has for a long time been studied with reference to its distribution across space where, for example, visual input from an attentionally monitored location is given preference over non-monitored (i.e., attended) locations. More recently, attention has been studied for its ability to select targets from among rapidly, sequentially presented nontargets at a fixed location, e.g., in visual space. The present chapter explores this latter function of attention for its relevance to behaviour. In so doing, it highlights what is becoming one of the most popular approaches to studying communication across the brain – oscillations - at various frequency ranges. In particular I will focus on the alpha frequency band (7 – 13 Hz), where recent evidence points to an important role in the switching between processing external vs. internal events.