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## Vortragseinladung

**Montag, den 15.05.2017, 14 ct**

**Thema:** Short-term plastic processes in the human brain, revealed by functional magnetic resonance imaging

**Ort:** Universität Regensburg, VG 0.04 (Vielberth-Gebäude)

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Functional magnetic resonance imaging (fMRI), together with the application of given paradigms, is capable to answer questions related to the plastic processes of the central nervous system (CNS). Here we will summarise findings, related to one of the most extensively studied plastic phenomena of cognitive neurosciences; the repetition related suppression (RS) of the neural signal. We will briefly present the past and present of RS related phenomena, its manifestation in the blood oxygen-level dependent signal and its application to study the neural encoding in the healthy and pathological CNS. Finally we will summarize recent results regarding the possible neural mechanisms of RS in the primate CNS.