



EINLADUNG

zum Vortrag im Rahmen des Seminars des SFB/TRR 31

Freitag, 18. Januar 2013, 14 Uhr c.t.

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

***"From sound to meaning: Speech perception explored with
Neuroimaging"***

Prof. Dr. Karsten Specht

University of Bergen, Norway

Auditory speech perception is organized as a hierarchical neuronal network. Furthermore, current models assume a dorsal and a ventral stream that are both originating in the posterior temporal lobe and either project through parietal, and premotor areas (dorsal stream) or along the posterior-anterior axes of the temporal lobe (ventral stream) to the frontal lobe. Besides of that, it is further assumed that these streams are differently represented within the left and right hemisphere.

A series of studies was conducted in order to trace these streams in healthy individuals as well as subjects with developmental speech disorders, such as stuttering. Hence, the presentation will give an update on current neuroimaging findings, demonstrating the involvement of these streams under different linguistic tasks, using stimuli with varying complexity.