

Arbeitsgruppe: Applied Neurocognitive Psychology
Ansprechpartner: Inga Schepers

Forschungsschwerpunkte und Interessen:

- Neural processing of speech
- Hearing loss
- Multisensory integration
- Crossmodal plasticity

Modellorganismen (wenn vorhanden):

Methoden:

- Electroencephalography (EEG), Magnetoencephalography (MEG)
- Electrocorticography (ECoG)
- deep brain recordings from thalamus and basal ganglia

Ausgewählte Publikationen der letzten fünf Jahre (bitte max. fünf Publikationen benennen)

1. **Schepers, I.M.**, Yoshor, D., Beauchamp, M.S. (2015). Electrocorticography reveals enhanced visual cortex responses to visual speech. *Cerebral Cortex*, 25(11):4103-10.
2. **Schepers, I. M.**, Schneider, T. R., Hipp, J. F., Engel, A.K., & Senkowski, D. (2013). Noise alters beta-band activity in superior temporal cortex during audiovisual speech processing. *Neuroimage*, 70:101-112.
3. **Schepers, I. M.***, Hipp, J. F.*, Schneider, T. R., Röder, B., & Engel, A. K. (2012). Functionally specific oscillatory activity correlates between visual and auditory cortex in the blind. *Brain*, 135(3):922-934.
4. Hawellek, D.J., **Schepers, I.M.**, Roeder B., Engel A.K., Siegel M., Hipp, J.F. (2013). Altered intrinsic neuronal interactions in the visual cortex of the blind. *Journal of Neuroscience*, 33(43):17072-17080.

(Angestrebte) Kooperationen/Projekte:

In the fields of speech perception, hearing loss, brain plasticity and multisensory integration.