

# Bibliography

- De Martino F, Moerel M, Ugurbil K, Yacoub E, Goebel R, Formisano E (2016). “Frequency preference and attention effects across cortical depths in human primary auditory cortex”. *PNAS*, 112, 16036-16041.
- Muckli L, De Martino F, Vizioli L, Petro LS, Smith FW, Ugurbil K, Goebel R, Yacoub E. (2015). “Contextual Feedback to Superficial Layers of V1”. *Current Biology*, 25(20), 2690-2695.
- Sorger B, Reithler J, Dahmen B, Goebel, R (2012). “A real-time fMRI-based spelling device immediately enabling robust motor-independent communication”. *Current Biology*, 22(14), 1333-1338.
- Zimmermann\* J, Goebel\* R, De Martino F, van de Moortele PF, Feinberg D, Adriany G, Chaimov D, Shmuel A, Uğurbi K, Yacoub E. (2011). “Mapping the organization of axis of motion selective features in human area MT using high-field fMRI”. *PLoS One*, 6, e28716.
- Koten JW Jr, Wood G, Hagoort P, Goebel R, Propping P, Willmes K, Boomsma DI. (2009). “Genetic contribution to variation in cognitive function: an FMRI study in twins”. *Science*, 323, 1737-1740.
- Formisano E, De Martino F, Bonte M, Goebel R (2008). “‘Who’ is saying ‘what’? Brain-based decoding of human voice and speech”. *Science*, 322, 970-973.
- Cohen Kadosh R, Cohen Kadosh K, Kaas A, Henik A, Goebel R. (2007). “Notation-dependent and -independent representations of numbers in the parietal lobes”. *Neuron*, 53, 307-314.
- Kriegeskorte N., Goebel R., Bandettini P. (2006). “Information-based functional brain mapping”. *Proc Natl Acad Sci USA*, 103, 3863-3868.
- Sack A.T., Camprodon J.A., Pascual-Leone A. & Goebel R. (2005). “The dynamics of inter-hemispheric compensatory processes in mental imagery”. *Science*, 308, 702-704.
- Roebroeck A., Formisano E., & Goebel R. (2005). “Mapping directed influence over the brain using Granger causality and fMRI”, *NeuroImage*, 25, 230-242.
- Van Atteveldt N., Formisano E., Goebel R., Blomert L. (2004). “Integration of letters and speech sounds in the human brain”. *Neuron*, 43, 271-28.
- Formisano E., Kim D.-S., Di Salle F., van de Moortele P.-F., Ugurbil K. & Goebel R. (2003). “Mirror-symmetric tonotopic maps in human primary auditory cortex”. *Neuron*, 40, 859-869.
- Formisano E., Linden D.E.J., Di Salle F., Trojano L., Esposito F., Sack A.T., Grossi D., Zanella F.E. & Goebel R. (2002). “Tracking the mind’s image in the brain I: Time-resolved fMRI during visuospatial mental imagery”. *Neuron*, 35, 185-194.
- Castelo-Branco M., Formisano E., Backes W., Zanella F., Neuenschwander S., Singer W. & Goebel R. (2002). “Activity patterns in human motion-sensitive areas depend on the interpretation of global motion”. *Proceedings of the National Academy of Sciences of the USA*, 99:13914-13919.

---

\* Authors contributed equally.

Goebel R., Muckli L., Zanella F.E., Singer W. & Stoerig P. (2001). "Sustained extrastriate cortical activation without visual awareness revealed by fMRI studies of hemianopic patients". *Vision Research*, 41:1459-1474.

Castelo-Branco M., Goebel R., Neuenschwander S. & Singer W. (2000). "Neural synchrony correlates with transparency rules constraining visual surface segregation". *Nature*, 405, 685-689.