

## Marcel Bastiaansen

After finishing his PhD in 2000 in Cognitive Neuroscience at the Tilburg University, Netherlands, Marcel Bastiaansen worked as a postdoc researcher at the renowned Max Planck Institute for Psycholinguistics as well as at the Donders Centre for Cognitive Neuroimaging in Nijmegen (NL). Besides his pioneering investigations of oscillatory dynamics in the human EEG during language comprehension, he developed techniques for the simultaneous recording and analysis of EEG and fMRI data. From 2006 – 2012 Marcel was leading a small research group as a senior research staff member at the Max Planck Institute for Psycholinguistics, where he examined brain dynamics in various aspects of language processing, including sentence-level syntactic and semantic unification, the role of information structure in language comprehension, and brain dynamics during discourse-level semantic coherence. Marcel published in almost all journals relevant to the field, including *Science*, *Neuron*, *Cortex*, *Human Brain Mapping*, *Journal of Cognitive Neuroscience*, and *NeuroImage*. Since 2013 Bastiaansen is a lecturer and researcher for quantitative methods at the NHTV Breda University of Applied Sciences (Netherlands), where he employs a range of international external collaborations within the cognitive neuroscience of language domain.

## Selected Publications

- Piai, V., Meyer, L., Schreuder, R., & Bastiaansen, M. C. M. (2013). Sit down and read on: Working memory and long-term memory in particle-verb processing. *Brain and Language*, *127*(2), 296-306.
- Zhu, Z., Hagoort, P., Zhang, J. X., Feng, G., Chen, H.-C., Bastiaansen, M. C. M., & Wang, S. (2012). The anterior left inferior frontal gyrus contributes to semantic unification. *NeuroImage*, *60*, 2230-2237.
- Scheeringa, R., Fries, P., Petersson, K. M., Oostenveld, R., Grothe, I., Norris, D. G., Hagoort, P., & Bastiaansen, M. C. M. (2011). Neuronal dynamics underlying high- and low- frequency EEG oscillations contribute independently to the human BOLD signal. *Neuron*, *69*, 572-583.
- Bastiaansen, M. C. M., Magyari, L., & Hagoort, P. (2010). Syntactic unification operations are reflected in oscillatory dynamics during on-line sentence comprehension. *Journal of Cognitive Neuroscience*, *22*, 1333-1347.
- Bastiaansen, M. C. M., Van der Linden, M., Ter Keurs, M., Dijkstra, T., & Hagoort, P. (2005). Theta responses are involved in lexico-semantic retrieval during language processing. *Journal of Cognitive Neuroscience*, *17*, 530-541.
- Hagoort, P., Hald, L. A., Bastiaansen, M. C. M., & Petersson, K. M. (2004). Integration of word meaning and world knowledge in language comprehension. *Science*, *304*(5669), 438-441.
- Bastiaansen, M. C. M., & Hagoort, P. (2003). Event-induced theta responses as a window on the dynamics of memory. *Cortex*, *39*(4-5), 967-972.

## Experience

- 2013 – present: Lecturer & researcher quantitative research methods at NHTV, Breda, NL
- 2006 – 2012: Senior research staff member at MPI for Psycholinguistics, Nijmegen, NL
- 2003 – 2006: Postdoc Researcher at the Donders Institute for Cognitive Neuroimaging, Nijmegen, NL
- 2000 – 2003: Postdoc Researcher at the MPI for Psycholinguistics, Nijmegen, NL
- 1995 – 2000: Ph.D., Cognitive Neuroscience, Tilburg University, NL