 DOI: 10.3217/978-3-85125-682-6-12

hierarchy. Front. Hum. Neurosci., vol. 9, 2015.

[15] G. G. Parras, J. Nieto-Diego, G. V. Carbajal, C. Valdés-Baizabal, C. Escera, and M. S. Malmierca. Neurons along the auditory pathway exhibit a hierarchical organization of prediction error. Nat. Commun., vol. 8, no. 1, p. 2148, Dec. 2017.

[16] V. B. Perez *et al.*. Mismatch Negativity is a Sensitive and Predictive Biomarker of Perceptual Learning During Auditory Cognitive Training in Schizophrenia. Neuropsychopharmacology, vol. 42, no. 11, pp. 2206–2213, Oct. 2017.

[17] A. Delorme and S. Makeig. EEGLAB: an open source toolbox for analysis of single-trial EEG dynamics including independent component analysis. J. Neurosci. Methods, vol. 134, no. 1, pp. 9–21, Mar. 2004.

[18] C. Chang, S. Hsu, L. Pion-Tonachini, and T. Jung. Evaluation of Artifact Subspace Reconstruction for Automatic EEG Artifact Removal. 2018 40th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC), 2018, pp. 1242–1245.

[19] D. Ostwald, B. Spitzer, M. Guggenmos, T. T. Schmidt, S. J. Kiebel, and F. Blankenburg. Evidence for neural encoding of Bayesian surprise in human somatosensation. NeuroImage, vol. 62, no. 1, pp. 177–188, Aug. 2012.

[20] J. Daunizeau, V. Adam, and L. Rigoux. VBA: A Probabilistic Treatment of Nonlinear Models for Neurobiological and Behavioural Data. PLOS Comput. Biol., vol. 10, no. 1, p. e1003441, Jan. 2014.

[21] F. Lecaignard, O. Bertrand, A. Caclin, and J. Mattout. Evidence for implicit and adaptive deployment of precision weighting during passive listening: a simultaneous EEG/MEG study. Neuroscience, preprint, Dec. 2018.

[22] R. Näätänen, E. S. Sussman, D. Salisbury, and V. L. Shafer. Mismatch Negativity (MMN) as an Index of Cognitive Dysfunction. Brain Topogr., vol. 27, no. 4, pp. 451–466, Jul. 2014.

[23] C. Wacongne, J.-P. Changeux, and S. Dehaene. A Neuronal Model of Predictive Coding Accounting for the Mismatch Negativity. J. Neurosci., vol. 32, no. 11, pp. 3665–3678, Mar. 2012.

[24] I. Winkler and I. Czigler. Evidence from auditory and visual event-related potential (ERP) studies of deviance detection (MMN and vMMN) linking predictive coding theories and perceptual object representations. Int. J. Psychophysiol., vol. 83, no. 2, pp. 132–143, Feb. 2012.