„On the interaction of attention and Stroop interference processing - An event-related potential study"

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The present study investigates the magnitude of the modulatory effect that an attentional bias exerts on processing of the classical Stroop interference. This end is implemented by presenting a precue on a trial-by-trial basis informing about the upcoming relevant dimension (colour ink) of the Stroop stimulus, with only half of these cues correctly predicting the upcoming colour. The comparison of the Stroop effect for valid relative to invalid trials will inform about the extent to which information processing could successfully be narrowed down in order to prevent word information from interfering with the correct response. Simultaneous recording of an Electroencephalogram (EEG) will deliver insight into processing differences between the different conditions in the time interval between stimulus presentation and response generation.