Insights into Higher Brain Functions from Language Processing in the Brain

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Message from the Guest Editor

Language processing, including syntactic, semantic, and phonological processes, is a major higher function in the brain. The human brain is highly specialized in language processing and associated creative processes, which are enabled by making infinite combinations from a limited number of elements (e.g., lexicons, phonemes, morphemes, and letters). Brain sciences are expected to explain or account for these specific linguistic mechanisms and to provide further insights into some supporting cognitive functions. The main purpose of this Special Issue is to focus on both theoretical and experimental studies of such higher functions in the human brain. These studies will aim to achieve deeper understanding of problems and issues in behavioral neuroscience, further extending traditional approaches. Therefore, any studies on brain imaging, brain stimulation, and brain models are welcome, together with theoretical analyses or computational simulation based on behavioral data from both healthy participants and patients.

Special Issue

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Message from the Editor-in-Chief

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