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## Neural Mechanisms Underlying Hemispheric Asymmetry for Social Communication and Auditory Perception

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### Message from the Guest Editor

Dear Colleagues,

A defining characteristic of the human brain is a left-hemispheric asymmetry for processing speech and language. This classic result is complicated by a multitude of subsequent findings. Reconciling these discrepancies necessitates a robust debate about the neural substrates underlying, along with the ethological pressures driving, hemispheric specialization for social communication and general auditory perception.

In this Special Issue, we invite clinical, basic research, and comparative papers exploring and discussing neural substrates of hemispheric asymmetry for speech, music, and other sounds along with non-acoustical aspects of language. Of particular interest is contrasting, debating, and validating various “closed system” (e.g., speech module) and “domain general” (e.g., spectral vs. temporal, asymmetric sampling in time, double filtering by frequency) hypotheses. Studies of visual and motor asymmetries should be directly relatable to topics of either speech, language, or social communication (e.g., sign language), likewise with studies of music and/or pitch.



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# Special Issue



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## Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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