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Neuroscience, Neurophysiology and Asymmetry—Volume II

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Message from the Guest Editor

Cerebral hemispheres were believed to be the same and, therefore, function in a very similar way. Paul Broca in the 19th century demonstrated that, for most of the population, the language area was in the left hemisphere. However, it was not until the middle of the 20th century, when the discovery that the size of the planum temporale differs between the cerebral hemispheres highlighted the anatomical differences between them and prompted the search for other anatomical and functional differences. Perhaps the most typical example is auditory language processing, though this is also observed in other sensory systems, such as the visual. The knowledge derived from this search improved our understanding of how the nervous system functions. In this way, in the previous Special Issue of Symmetry, "Neuroscience, Neurophysiology and Asymmetry", new evidence of asymmetry in the integration of sensory information was collected. The growing knowledge of this asymmetry is helping us to better understand the integration of neural processing. On the other hand, the development of technology is enabling the application of new tools to study this amazing world.

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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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