

Special Issue

Individual Differences in Behavioral and Neural Lateralization

Message from the Guest Editors

Research on behavioral and neural asymmetries has shown that many instances of lateralization may be affected by several individual differences. For example, neurodevelopmental disorders seem to be related to atypical patterns of lateralization. Patient with depression and anxiety disorders also exhibit abnormal lateralization. Besides disease-related conditions, specific laterality patterns can be linked to particular personal characteristics (e.g., sex, age, personality, sexual orientation, cognitive performance). Interestingly, the expression of various behavioral and neural asymmetries has been related to individual differences also in non-human species.

Current research is continuously unveiling further individual factors associated with specific patterns of behavioral and neural lateralization, strongly suggesting that many of them have yet to be identified. A better understanding of the relationship between individual differences and behavioral and neural asymmetries would benefit both basic and applied research, and this Special Issue intends to promote such an endeavor by hosting empirical and theoretical papers covering different topics, methods and populations.

Guest Editors

Dr. Chiara Lucafò

Department of Psychological Sciences, Health and Territory, University of G. d'Annunzio Chieti and Pescara, Chieti, Italy

Dr. Daniele Marzoli

Department of Psychology, University "G. d'Annunzio" of Chieti-Pescara, 66100 Chieti, Italy

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
symmetry@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Sergei Odintsov
ICREA, 08010 Barcelona and Institute of Space Sciences (IEEC-CSIC),
C. Can Magrans s/n, 08193 Barcelona, Spain

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