



Symmetry and Asymmetry: From Evolution to Neuroscience

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Functional brain biases can manifest physically as domain-specific hand, ear and visual field preferences. Comparative evidence suggests that primitive functional cerebral asymmetries remain relevant in modern human behaviour and provide critical support for the development of modern human cognitive abilities.

However, limiting factors to understanding the emergence of human cognition are still: 1) the implicit human exceptionalism in much evolutionary and developmental research; and 2) the entrenched perspective that motor-sensory and cognitive development are separate systems. Presently, we have little understanding of the distribution and variation of brain and behavioural biases across the healthy population, how these characteristics interact and develop across the lifespan and their relationship with human cognitive abilities.

Psychological sciences require an Evolutionary-Developmental that places humans within the natural world and affords a broader understanding of how and why many human cognitive abilities are supported in an organisationally biased fashion...





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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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