

Special Issue

The Neural Mechanisms of Visual Cognition

Message from the Guest Editors

This Special Issue invites contributions that address these specific challenges by elucidating the network dynamics and computational principles underlying visual cognition. We encourage submissions that employ multimodal approaches to test explicit hypotheses about cortical communication and integration. The scope includes research on the interplay between high-level cognitive processes and sensory processing, neural mechanisms of real-world scene understanding, and computational models bridging neural activity and perception. Studies examining how internal states (e.g., attention, memory, and affective factors) influence visual cortical encoding and network communication are welcome, provided they maintain a primary focus on visual cognitive mechanisms. By integrating findings focused on network interactions and neural computation, this Special Issue aims to synthesize recent advances into a more precise framework of visual cognition, highlighting how interconnected neural systems support adaptive visual behavior.

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Message from the Editor-in-Chief

With warm greetings, it is a pleasure to invite you to contribute a research article or comprehensive review for consideration and publication in *Behavioral Sciences*. *Behavioral Sciences* is an international, scientific, open access journal providing an advanced forum for discussions and research regarding the intersection between psychiatry, neuroscience, psychology, cognitive and behavioral sciences, and behavioral biology. More information are available at: <https://www.mdpi.com/journal/behavsci>. We would be pleased to welcome you as one of our authors and have the opportunity to consider your work for publication.

Editor-in-Chief

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