

Special Issue

Neurobehavioral Mechanisms of Learning and Adaptation: Translational Perspectives from Basic to Applied Science

Message from the Guest Editors

Understanding the principles that govern learning and adaptation requires a cross-disciplinary approach bridging neuroscience, behavior analysis, and computational modeling. This Special Issue aims to highlight cutting-edge research that advances theoretical and empirical accounts of behavioral processes, spanning from cellular mechanisms and neural circuits to operant models and applied interventions. Emphasis will be placed on work that integrates findings across species and levels of analysis to deepen our understanding of how behavior is acquired, maintained, and modified in dynamic environments. Contributions that draw on the experimental analysis of behavior, behavioral neuroscience, translational models, and computational behavior analysis are particularly encouraged. This Special Issue invites both original research articles and theoretical contributions that propose, evaluate, or refine models of learning and behavior change.

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You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

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