Special Issue

Neurobiology of Choice Behavior

Message from the Guest Editor

More recently, researchers in psychology, behavioral neuroscience, and computational neuroscience have started to apply these theoretical principles to studying the choice behavior and its neural underpinnings in the laboratory. For example, the electrophysiological study of animals making choices for primary rewards; the neuroimaging study of the financial decision-making process in humans. Furthermore, researchers in all of these fields are simultaneously studying how learning guides decision-making, and how computations related to decision-making and choice are represented by neural systems. Therefore, this topic aims to understand how humans learn, judge and make decisions in daily activities or in a new environment; how these abilities change across the lifespan and in neurological diseases; what the neural and physiological underpinnings of these behaviors are. Through this research topic, we aim to solicit contributions from researchers in neurobiology, behavior, and computational neuroscience which discuss the neural mechanisms underlying decision-making and adaptive behavior, and the development in neurological diseases.

Guest Editor

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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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