Special Issue

Unraveling Autism: Neurobiological Mechanisms and Emerging Therapeutic Advances

Message from the Guest Editors

Autism spectrum disorder (ASD) is a complex condition characterized by a diverse range of symptoms, rooted in neurodevelopmental anomalies that affect brain function and behavior. Recent research has shed light on the genetic, molecular, and cellular processes contributing to ASD, providing deeper insights into its etiology. Concurrently, novel therapeutic strategies, including targeted pharmacological treatments, behavioral interventions, and neurostimulation techniques, are being developed to address the specific needs of individuals with ASD. These interventions aim not only to reduce symptoms but also to optimize daily functioning and overall well-being for individuals affected by the condition. This Special Issue delves into the complex neurobiological mechanisms underlying ASD while critically examining the latest therapeutic and pharmacological advancements. Emphasizing the importance of ongoing interdisciplinary research, it aims to bridge the gap between neurobiological insights and clinical applications, ultimately driving the development of more effective and personalized treatment strategies for ASD.

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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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