

Special Issue

Molecular Genetics of Neurodevelopment Disorders

Message from the Guest Editors

Neurodevelopmental disorders (NDDs) represent a wide range of conditions that arise from disturbances in brain development, and they are characterized by impairments in cognitive, motor, adaptive, social, and behavioral function. Disorders within this category are influenced by complex genetic factors, and the rapid advancements in genomics, particularly high-throughput sequencing technologies, have transformed our understanding of the genetic basis of NDDs. Common and rare genetic factors, including chromosomal abnormalities and rare genetic variants, play a significant role in the development of neurodevelopmental conditions. Furthermore, the interaction between genetic predispositions and environmental influences is a key aspect of these disorders, complicating both the phenotypic spectrum and the therapeutic landscape. This Special Issue seeks original research, case series, and review articles that address the rapidly evolving field of molecular genetics in neurodevelopmental disorders, highlighting the latest advancements in genomic research, the ethics of genetic testing and counseling, gene–environment interactions, and molecular signaling pathways.

Guest Editors

Dr. Constance Smith-Hicks

1. Department of Neurology and Developmental Medicine, Kennedy Krieger Institute, Baltimore, MD 21205, USA
2. Department of Neurology, Johns Hopkins University School of Medicine, Baltimore, MD 21205, USA

Dr. Philip H. Iffland

Department of Neurology, University of Maryland School of Medicine, Baltimore, MD, USA

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
brainsci@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Stephen D. Meriney

Department of Neuroscience, University of Pittsburgh, Pittsburgh, PA
15260, USA

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