

# Mechanisms of Neurological Disorders

## Guest Editor



**Prof. Dr. Thomas Heinbockel**

Department of Anatomy, Howard University College of Medicine,  
Washington, D.C., USA

[theinbockel@howard.edu](mailto:theinbockel@howard.edu)



**Prof. Dr. Vonnice D.C. Shields**

Department of Biological Sciences, Fisher College of Science and  
Mathematics, Towson University, Towson, MD, USA

[vshields@towson.edu](mailto:vshields@towson.edu)

## Message from the Guest Editor

Dear Colleagues,

This Special Issue will publish contributions about innovative experimental approaches and novel findings in the field of **Mechanisms of Neurological Disorders**. Reviews providing a fresh perspective on the existing literature as well as descriptions of clinical cases or new treatment strategies are welcome. **Mechanisms of Neurological Disorders** are an overriding theme of brain research toward understanding the nervous system in its function and dysfunction. Over the past several decades, researchers have made significant strides in deciphering molecular and cellular synaptic changes that are the basis for network function, behavior and brain disease. However, while our understanding of cellular and network function has grown tremendously, pivotal questions regarding neural signaling and plasticity remain at the cell and circuit level, preventing us from fully and successfully treating neurological disorders. Technical advances in neuroscience research are a major catalyst for progress in the Mechanisms of Neurological Disorders. New experimental and conceptual approaches will pave the way to a more complete understanding of the consequences of neurological disorders and their implication for health and disease. This Special Issue aims at



providing insights into a range of issues related to **Mechanisms of Neurological Disorders** and will capture the exciting developments in the field. This Special Issue will contribute to our understanding of neurological disorders ranging from molecular, biochemical, and cellular mechanisms to circuit, systems, and behavioral phenomena. We encourage interested investigators to submit case reports, perspectives, reviews, and original research based on animal models, human samples and clinical cases aiming to promote the research progress of brain function.

Prof. Dr. Thomas Heinbockel and Prof. Dr. Vonnice D.C. Shields

*Guest Editors*

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Contact us: [Front.Biosci.Scholar@fbscience.com](mailto:Front.Biosci.Scholar@fbscience.com)