



life



an Open Access Journal by MDPI

Dystonia and Related Disorders: From Bench to Bedside

Guest Editors:

Dr. Ryoma Morigaki

Department of Advanced Brain Research, Institute of Biomedical Sciences, Graduate School of Medicine, Tokushima University, 3-18-15 Kuramoto-Cho, Tokushima-Shi 770-8503, Tokushima, Japan

Dr. Ryosuke Miyamoto

Institute of Biomedical Sciences, Tokushima University, Tokushima 770-8501, Japan

Deadline for manuscript submissions:

closed (21 November 2021)

Message from the Guest Editors

Dystonia is a neurological syndrome that manifests as repetitive patterned twisting movements or sustained muscle contractions. The precise cause of dystonia remains unknown, and there are no specific diagnostic tests. However, an increasing number of causative genes have been identified via next-generation sequencing, helping to steadily uncover the molecular basis of dystonia. Moreover, efficacy in deep brain stimulation therapy sheds light on dystonia as a disorder in the cortico-striato-pallido-thalamo-cortical feedback loop. Recent progress in human neuroimaging study and basic research using optogenetics suggests cerebellar inclusion in dystonia's pathogenesis. Emerging new technologies are quite useful for clarifying the unknown pathogenesis of dystonia and related disorders.

The goal of this Special Issue is to collect review articles and basic, clinical, or epidemiological research studies regarding dystonia and related disorders that will elucidate the current status of our understanding of this disease and promote future development in its treatment.



mdpi.com/si/64173

Special Issue



life



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona Institute of Science and Technology, 08028 Barcelona, Spain

Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [CAPus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q1 (Biology) / CiteScore - Q1 (Paleontology)

Contact Us

Life Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/life
life@mdpi.com
[X@Life_MDPI](#)