Special Issue

Understanding TDP-43-Mediated Mechanisms in Frontotemporal Dementia and Amyotrophic Lateral Sclerosis

Message from the Guest Editors

Frontotemporal dementia (FTD) and amyotrophic lateral sclerosis (ALS) are rapidly progressing fatal neurodegenerative diseases with no effective treatments. FTD and ALS are part of a disease continuum and share a neuropathology containing cytoplasmic inclusions of the TAR DNA-binding protein 43 (TDP-43) which is found in >90% of ALS and ~50% of FTD cases. This strongly suggests the pivotal role that TDP-43 plays in disease pathology. Understanding the physiological and pathological role of TDP-43 in disease initiation and progression will aid us in identifying alternative treatment options.

This Special Issue, "Understanding TDP-43-Mediated Mechanisms in Frontotemporal Dementia and Amyotrophic Lateral Sclerosis", will cover a wide selection of research topics and review articles in the field of FTD and ALS, looking at various aspects of TDP-43's role in disease with a special focus on TDP-43-mediated mechanisms. Original research articles, reviews, commentaries, and perspectives are all welcomed.

Guest Editors

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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