

Special Issue

Prion Disease Biomarkers: Recent Advances

Message from the Guest Editor

Prion diseases or transmissible spongiform encephalopathies (TSEs) are a family of rare and fatal progressive neurodegenerative disorders caused by prions, which are the abnormal and pathogenic forms of the cellular prion protein (PrP), affecting humans and animals. Prion disease can exhibit a variety of clinical manifestations that make their differential diagnosis challenging. Indeed, definite diagnosis is only possible through neuropathological examination of the pathological isoform of the prion protein (PrP^{Sc}) in the central nervous system through a biopsy or autopsy. However, implementation in clinical settings over the last few decades of fluid and neuroimaging biomarkers has generated a set of assays displaying high accuracies in the discrimination of prion diseases. Some of these assays are already included in the diagnostic criteria for these conditions. In this Special Issue, we would like to explore recent aspects in the field of prion biomarker research, especially in new aspects related to disease diagnosis and prognosis, as well as the potential contribution of prion biomarkers in the design and interpretation of eventual clinical trials.

Guest Editor

Dr. Franc Llorens
Bellvitge Biomedical Research Institute (IDIBELL), Barcelona, Spain

Deadline for manuscript submissions

closed (31 March 2020)



Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/30415

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

[mdpi.com/journal/
biomolecules](https://mdpi.com/journal/biomolecules)





Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



[mdpi.com/journal/
biomolecules](https://mdpi.com/journal/biomolecules)



About the Journal

Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

Editors-in-Chief

Prof. Dr. Peter E. Nielsen

Department of Cellular and Molecular Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Blegdamsvej 3C, DK-2200 Copenhagen, Denmark

Prof. Dr. Lukasz Kurgan

Department of Computer Science, Virginia Commonwealth University, Richmond, VA 23284, USA

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, MEDLINE, PMC, Embase, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Biochemistry)