



an Open Access Journal by MDPI

Novel Approaches to Studying Protein Structure/Function Relationships at the Molecular Level

Guest Editor:

Dr. Matthew J. Gage

Chemistry Department,
University of Massachusetts
Lowell, Lowell, MA 01854, USA

Deadline for manuscript
submissions:

closed (30 September 2023)

Message from the Guest Editor

Dear Colleagues,

The question of how a protein's structure influences its function has been a driving question for nearly as long as the field of protein chemistry has existed. Until the mid-1990s it was believed that function came from ordered structure, but demonstration of the existence of Intrinsically Disordered Proteins (IDPs) has expanded this view. This expanded view of protein structure/function has driven development of new tools to interrogate function at the molecular level, from an increased number of single-molecule techniques to improved structural techniques such as cryo-EM and time-resolved crystallography. These innovations have provided insights into structure-function relationships that were previously unobtainable. The focus of this Special Issue is to collect articles that highlight recent innovative advances in the study of protein structure/function relationships.



mdpi.com/si/116813

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Felipe Fregni

1. Neuromodulation Center and
Center for Clinical Research
Learning, Spaulding
Rehabilitation Hospital and
Massachusetts General Hospital,
Harvard Medical School, Boston,
MA 02114, USA
2. Department of Epidemiology,
Harvard T.H. Chan School of
Public Health, Boston, MA 02115,
USA

Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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*, *CAPLus / SciFinder*, and other databases.

Journal Rank: JCR - Q2 (Pharmacology and Pharmacy) / CiteScore - Q1 (Medicine (miscellaneous))

Contact Us

Biomedicines Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/biomedicines
biomedicines@mdpi.com
[X@Biomed_MDPI](https://twitter.com/Biomed_MDPI)