







an Open Access Journal by MDPI

The Amazing World of IDPs in Human Diseases II

Guest Editors:

Dr. Simona Maria Monti

Institute of Biostructures and Bioimaging (IBB)-CNR, Via Pietro Castellino, 111, 80131 Napoli, Italia

Dr. Giuseppina De Simone

Biostructure and Bioimaging Institute-CNR, Via Mezzocannone 16, 80134 Naples, Italy

Dr. Emma Langella

Biostructure and Bioimaging Institute-CNR, Via Mezzocannone 16, 80134 Naples, Italy

Deadline for manuscript submissions:

closed (18 February 2022)

Message from the Guest Editors

Following a very successful first run, we are pleased to announce the launch of a second edition of a Special Issue on intrinsically disordered proteins (IDPs) in human diseases.

It is now clearly established that some proteins or protein regions are devoid of any stable secondary and/or tertiary structure under physiological conditions, but still possess fundamental biological functions. IDPs and IDRs are especially prevalent in eukaryotes, suggesting the necessity of disorder, associated signaling, and regulation in nucleated cells where they are involved in many key functions. However, a correlation between intrinsic disorder and human diseases such as cancer, diabetes, amyloidosis, and neurodegenerative disease is also now evident, highlighting the great importance of the topic.

For this Special Issue, we invite researchers to contribute with original research articles and reviews on the amazing world of the IDPs or IDRs involved in human diseases. Contributions focusing on the prediction, identification, and characterization of these, with emphasis on their role in cell signaling and regulation, are particularly welcome.













an Open Access Journal by MDPI

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

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.

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, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Biochemistry*)

Contact Us