



Frontiers in Protein Folding and Related Areas – in Memory of Professor Sir Christopher M. Dobson (1949–2019)

Guest Editors:

Prof. Dr. Kunihiro Kuwajima

Prof. Dr. Yuko Okamoto

Prof. Dr. Tuomas Knowles

Prof. Dr. Michele Vendruscolo

Deadline for manuscript
submissions:
closed (31 May 2022)

Message from the Guest Editors

Dear Colleagues,

Protein folding is a fundamental theme in molecular biology. Elucidation of the molecular mechanisms of this process has challenged molecular biologists for over half a century. Although computational methods have now achieved remarkable success in the prediction of native structures, the fundamental principles of the protein folding process have yet to be fully elucidated. In addition, we still have an incomplete understanding of the components of the protein homeostasis system, which controls protein folding in the cellular environment. Furthermore, failures in protein folding may lead to misfolding and aggregation, a phenomenon closely related to a wide range of human disorders, including Alzheimer's and Parkinson's diseases and type II diabetes. This Special Issue is dedicated to the memory of the late Professor Sir Christopher M. Dobson, who made outstanding contributions to the advancement of studies of protein folding and the related areas and played an irreplaceable role in the promotion of protein science.

We look forward to receiving your contributions.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical
Biology and Phytochemistry,
University of Münster,
Corrensstrasse 48, D-48149
Münster, Germany

Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

Contact Us

Molecules Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/molecules
molecules@mdpi.com
[X@Molecules_MDPI](#)