

Special Issue

Understanding of Structure-to-Function Relationships in Biological Macromolecules

Message from the Guest Editor

Integrative structural biology (ISB), one of the key fields of modern life science, has become a powerful approach to determine the structural data of biological macromolecules. Elucidating such data for natural macromolecules contributes to solutions to biomedical and biotechnological tasks, such as structure-assisted drug design and the development and optimization of novel biocatalysts. ISB combines various modern complementary experimental techniques, including X-ray crystallography, NMR spectroscopy, electron microscopy, and SAXS/SANS, as well as computational methods, to generate complete structural models. This Special Issue focuses on recent studies that aim to investigate macromolecular structures using a combination of structural biology methods. The special aim of this Special Issue is to address structure-to-function relationships among various biologically important molecules including relevant protein–protein and protein–ligand complexes. Original research studies providing such information are welcomed.

Guest Editor

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Deadline for manuscript submissions

closed (30 November 2023)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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