

## Special Issue

# Unveiling Protein Functions, Dynamics and Interactions in Health and Disease Using Experimental and Theoretical Approaches

### Message from the Guest Editors

The aim of this Special Issue is to bridge the gap sometimes existing among different approaches that are exploited for a common purpose, i.e., understanding and describing different functional-dynamical features of proteins in specific physiological and pathological conditions. A multi-disciplinary collection including molecular biology, structural biology, biophysics, biochemistry, bioinformatics and computational chemistry is the scope of this issue.

In this context, this collection aims at reporting current experimental and computational trends in the field of proteins functions, interactions and dynamics. In this Special Issue, original research articles, Reviews, and Perspectives are welcome. Research areas may include (but not limited to) the following:

- (i) Understanding the structural, dynamical and functional role of point mutations
- (ii) Conformational changes of proteins linked to their function
- (iii) Protein-proteins, protein-nucleic acids and protein-ligand interactions in health and diseases
- (iv) Protein design and engineering for biomedical applications

I look forward to receiving your contributions.

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### Guest Editors

Dr. Daniele Di Marino

Dr. Cristina Maracci

Dr. Alice Romagnoli

Dr. Stefano Motta

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### Deadline for manuscript submissions

closed (30 June 2024)



## Biomolecules

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### 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.

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### Editors-in-Chief

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