# **Special Issue**

# Structure, Dynamics and Energetics of Biomolecular Processes: Forces Driving Macromolecular Association, Folding, and Recognition

## Message from the Guest Editors

Living cells encompass an exceptionally complex and intricate network of macromolecular interactions that mediate an array of biochemical processes orchestrated within the cellular machinery. These interactions are governed by molecular, dynamic, and energetic forces that collectively operate with unprecedented precision to control and regulate cellular functions. This Special Issue welcomes the contribution of original articles and reviews that focus on the structure, dynamics, and energetics of biological processes with particular emphasis on macromolecular association, folding, and recognition. These studies invoke a multidisciplinary array of biophysical, computational, and structural approaches including analytical ultracentrifugation, differential scanning and isothermal titration calorimetry, surface plasmon resonance, molecular docking and modeling, nuclear magnetic resonance spectroscopy, atomic force microscopy, X-ray crystallography, and related methodologies at the interface of core technologies.

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#### Deadline for manuscript submissions

closed (29 November 2024)



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Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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