



## Protein-Protein and Protein-Ligand Interactions: Current Challenges and Perspectives

Guest Editor:

**Dr. Mariapina D'Onofrio**

Department of Biotechnology,  
University of Verona, Verona, Italy

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### Message from the Guest Editor

Protein–protein and protein–ligand interactions play central roles in all processes of living organisms, participating in their activation and regulation. The identification of the actors of cellular networks based on molecular recognition, as well as the clear definition of the transient and persistent interactions are crucial to elucidate biomolecular communication pathways

A key aspect to advance our knowledge is the availability of reliable novel bioinformatic methods to efficiently predict protein interactions as well as the development and improvement of experimental approaches to fully characterize the structure and thermodynamics of functional biomolecular associations to unveil biologically relevant pathways.

In this Special Issue of *IJMS*, we aim to collect contributions in the form of either original research articles or reviews, to add new insight into the role of protein–protein and protein–ligand interactions in biological processes and to highlight the state of the art, the challenges, and the open issues in this varied field of investigation.





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Department of Physiology,  
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Conocimiento s/n, 18100 Armilla,  
Granada, Spain

## Message from the Editor-in-Chief

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*International Journal of Molecular  
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MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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