

Special Issue

Protein–Drug Interaction

Message from the Guest Editors

Binding between bioactive compounds and proteins plays a pivotal role in many therapeutic approaches. Firstly, in fact, most drugs carry out their action through the direct modulation of the activity of proteins/ protein complexes. Moreover, several proteins regulate the transport and distribution of drugs within organisms, tissues, and cells. Finally, the action of different enzymes determines the metabolism, the elimination and, in some cases, the activation of most exogenous bioactive substances. At the same time, several undesired effects of therapeutic treatments depend on off-target interactions. Therefore, a detailed understanding of the molecular mechanisms underlying the formation of drug/protein complexes is of utmost importance for drug discovery, pharmacology, pharmacotoxicology, and medicinal chemistry studies. This Special Issue is open to contributions that discuss results obtained using experimental approaches. The aim is to provide useful information to researchers involved in this field so that they can have a global vision of the pivotal role played by drug/protein complexes.

Guest Editors

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