



Advances in Protein-Protein Interactions

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

There are over 300,000 protein–protein interaction (PPI) pairs identified in the human genome. Thus, it is not surprising that modulators of PPIs—ideally small “drug-like” molecules—are urgently being sought and developed by the pharmaceutical Industry to treat unmet medical need. However, the physical characteristics of the PPI interface make this task nontrivial. Furthermore, unlike the traditional pharmaceutical approach of focusing on finding a ‘single switch that works’, it is clear that the phenotype of many diseases relies on complex networks of PPIs. Destabilising these networks for a successful therapeutic approach will require perturbing multiple key interactions.

This Special Issue focusses on recent studies aiming to investigate protein–protein interactions, with an additional aim of developing drugs to modulate these interactions. Specifically, this issue will explore the latest computational and structural biology methods, and studies which further our understanding of protein–protein interfaces and of how to better develop molecules to modulate these are welcomed.

Dr. Jessica Holien





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Message from the Editor-in-Chief

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