



## Design, Discovery and Development of Modulators Targeting Protein-Protein Interactions

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Deadline for manuscript  
submissions:

**closed (10 April 2023)**

### Message from the Guest Editor

Dear Colleagues,

The human proteome comprises approximately 20,000 proteins, and protein–protein interactions (PPIs) play pivotal roles in biological processes. Their dysregulation often results in the onset and progression of several diseases. Therefore, PPIs represent promising drug discovery targets. Historically, PPIs were considered to be “undruggable” with their large and flat binding surfaces being smooth and lacking well-defined binding pockets. Targeting these is a challenging task when attempting to convert drug-like **small molecules** to therapeutics due to the fact that PPI interfaces exhibit different biochemical and biophysical properties relative to the small molecule compound binding pockets. **Natural products**, derivatives thereof, **peptides**, and **peptidomimetics** represent other sources for the modulation of PPIs. We invite authors to submit original research and review articles regarding the molecular aspects, including, but not limited to, the following topics:

- Bcl-2 family PPIs (**cancer**)
- p53–MDM2 (**cancer**)
- RKIP(Raf kinase inhibitory protein)—C-Raf(Raf-1 kinase) (**cancer** and **Alzheimer’s disease**)
- Keap1–Nrf2 (**cancer**)





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## Message from the Editor-in-Chief

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