

Special Issue

Multi-Target Directed Ligands in Drug Development

Message from the Guest Editors

During the twentieth century, drug discovery efforts were concentrated on the dogma of “one-target-one disease”, which generated many drugs that are still in use. However, this concept was often ineffective for many diseases treated by single-targeted therapeutics. Given the high failure rate in the clinic or the lack of efficacy of several drug candidates, the beginning of the 21st century has witnessed the start and rise of the so-called “multi-target directed ligand” approach that is trying to address the complexity of the disease to provide the highest possible therapeutic feedback. Thus, multi-target drugs aiming simultaneously at several subpathologies are expected to be a better approach compared to single-oriented bullets. In this Special Issue, we would like to encourage researchers from different fields of research to submit their original, as well as review, articles with a primary focus on multi-target-directed ligands from different perspectives and conditions. Indeed, the strategy exploiting multi-target-directed ligands has successfully been engaged in the therapy of many diseases such as cancer, cardiovascular disease, inflammation, among others.

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