

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.

Guest Editors

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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