

Special Issue

Enzymes as Targets for Drug Development II

Message from the Guest Editor

The most attractive targets for drug development are considered enzymes in the pharmaceutical community. Characterization of enzymes is, therefore, critical in understanding their reactions. Many analytical methods are needed to complete characterization such as purification, kinetics, protein stabilization, optimal conditions for pH, temperature, and ionic strength, substrate or product binding, ligand/inhibitor/protein interactions, three-dimensional structure, and conformational changes. Recently, in silico analysis has made a huge contribution to the enzyme characterization. Molecular docking and molecular dynamics should be included as major techniques. This Special Issue brings together a large number of intriguing subjects to promote ideas on enzymes as targets for drug development. It is envisioned that the following topics would be included in the Special Issue.

Improvement of enzyme purification; Development of novel inhibitors; Investigation of enzyme mechanism; Understanding enzyme conformation changes.

Guest Editor

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Message from the Editor-in-Chief

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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