



Metalloenzyme Inhibitors and Activators II

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Metalloenzymes represent a target of medicinal chemistry that have been extensively investigated in the last several decades. Since they are responsible for the regulation of a wide range of physiological processes, they are also involved in the development of many pathological conditions, including cancer, inflammation, microbial infections, and HIV/AIDS. Recent studies involving the resolution of enzyme crystal structures, site-directed mutagenesis of catalytic residues, and molecular modeling of catalytic domains have opened the way to the synthesis of more selective agents.

This Special Issue aims to collect the recent advances in the inhibition of metalloenzymes such as carbonic anhydrases, matrix metalloproteinases (MMPs), ADAMs (A Disintegrin-like And Metalloproteinases), ADAMTSs (ADAM with Thrombospondin-like motifs), histone deacetylases (HDACs), angiotensin-converting enzyme (ACE), and HIV-1 integrase, among others. Particularly welcome are studies involving the development of small molecules but also exosite inhibitors, glycoconjugates, as well as protein-protein interaction (PPI) inhibitors.

Prof. Dr. Elisa Nuti
Guest Editor





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Message from the Editor-in-Chief

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