Special Issue

Tubulin Inhibitors

Message from the Guest Editor

Microtubule (MTs) play a key role in the division and motility of cells, manage the intracellular trafficking and preserve cell shape. The mitotic spindle generated by the MTs segregate the chromosomes during the cell division. Both inhibition of tubulin polymerization and stabilization of disassembly alter the MT dynamic equilibrium, and, ultimately, cause lethal injury to the cell. Interfering with the MT dynamic equilibrium has drawn attention as a fruitful strategy to develop anticancer agents. The interference by these agents to the cell division has led the development of a wide variety of potential anticancer agents.

This Special Issue aims to attract contributions on all aspects of the chemistry and biological activity of tubulin binding agents. There's an unmet need for improved anticancer therapies. An exploration through tubulin binding agents and their biological effects may have a great impact on the advance of successful anticancer therapies.

Guest Editor

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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