Special Issue

Counteracting Drug Resistant Mechanisms in Cancer

Message from the Guest Editor

Drug resistance is a major obstacle to the successful treatment of cancer patients. The intratumor genetic heterogeneity and tumor dynamics, together with the presence of cancer stem cells, make it a very difficult problem to overcome. This Special Issue of Molecules aims to collect review and research articles on novel approaches for counteracting drug resistant mechanisms in cancer. Topics may include: i) novel compounds or small molecules designed to inhibit targets known to be responsible for chemoresistance (e.g. drug-efflux pumps or antiapoptotic proteins), ii) natural compounds that circumvent drug resistance, iii) molecules that target cancer stem cells, iv) antimiRs or siRNAs designed to inhibit targets responsible for chemoresistance, or v) drug delivery approaches to improve drug response.

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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