

Special Issue

Heat Shock Proteins in Cancer Treatment

Message from the Guest Editor

Cancer is one of the leading causes of deaths worldwide with around 10 million deaths each year. Due to the growth of populations and their aging, the burden of cancer is expected to grow, in both westernized societies where it is already dominant. Heat shock proteins (HSPs) have been linked to negative outcomes in many cancers. Tumors are submitted to the stress of their own modified biology and the tumor microenvironment. Anticancer treatments represent an additional level of stress for cancer cells and HSPs help tumors resist these stresses. The Special Issue focuses on the importance of HSPs in the context of treating cancer. The scope of the Special Issue covers in vitro, in vivo as well as clinical studies, and aims at reporting the latest findings in the following areas: The exploration of pathways through which HSPs confer resistance to anticancer therapies. The identification of anticancer therapies whose effectiveness is unaffected by HSPs. The prognosis value of HSP expression in specific cancer types and anticancer treatments. The targeting of HSPs in order to ameliorate the effectiveness of anticancer therapies.

Guest Editor

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Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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