



Recent Advances in Melatonin for Cancer Therapy

Guest Editor:

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Deadline for manuscript
submissions:
closed (20 January 2023)

Message from the Guest Editor

Dear Colleagues,

Melatonin (N-acetyl-5-methoxytryptamine) is a hormone synthesized and secreted mainly by the pineal gland in the dark. In the last 20 years, multiple reports (clinical trials and in vivo and in vitro studies) have documented that the pineal hormone has many potential benefits when it is included in protocols designed to treat tumors because it modulates tumor gene expression impairing cell growth and inhibiting angiogenesis and metastasis. As melatonin has no toxicity, it deserves to be considered as an agent for use as a co-adjuvant in cancer prevention and treatment. This Special Issue aims to bring together current knowledge about melatonin targeting, delivery, and dosage form design (as controlled-release systems), and the newest findings concerning melatonin pharmacokinetics (absorption, distribution, metabolism, and excretion) and pharmacodynamics (interactions between melatonin and its different receptors, such as MT-1, MT-2, calmodulin, or nuclear receptors).

Dr. Javier Menéndez-Menéndez
Guest Editor





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