



Applications of Micro-Nanosystems in Retinoids Delivery

Guest Editor:

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Message from the Guest Editor

Dear Colleagues

Retinoids have proven performances in providing beneficial effects in a wide range of applications in the treatment of skin diseases, such as psoriasis, acne, actinic keratosis, and photoaging. Moreover, they induce differentiation of cancer cells and redirect them toward their normal phenotype, representing a valid tool for counteracting malignant lesions. Retinoids, in particular retinoic acid, have already marked an important advance in the treatment of acute promyelocytic leukemia, while other studies have proven their efficacy against a number of types of cancer cell lines (melanoma, neuroblastoma, prostate, and non-small cell lung carcinoma). Unfortunately, retinoids alone are unstable, as they are sensitive to oxygen, heat, and light. Furthermore, they are poorly soluble in water and often irritant. This Special Issue intends to provide examples of retinoid-loaded micro-nanodelivery systems as their utilization may decrease unwanted side effects, enhance drug solubility, provide sustained release, and exert drug protection against environmental agents.





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