



Biomedical Applications of Fluorescent Gold Nanotechnologies

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Deadline for manuscript
submissions:

closed (28 February 2021)

Message from the Guest Editors

Dear Colleagues,

Over the last decade, gold nanoparticles (AuNPs) have proven to be extremely convenient and invaluable tools for biological and biomedical applications. Environmental factors such as pH level, ionic strength, and temperature have significant impacts on their fluorescence properties. Benefitting from these excellent properties, fluorescent AuNPs hold great promise in labeling, biosensing, bioimaging, and targeted cancer therapy applications, in vivo disease monitoring for early diagnosis of cancer, in vivo drug screening and protease activity determination, etc. The purpose of the present Special Issue is to present the latest advances in the field of gold nanoparticles for biomedical applications to improve the diagnosis and pharmacological treatment of several diseases via toxicological considerations of clinically applicable gold nanoparticles.

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an Open Access Journal by MDPI

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