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Gold nanorod and nano partials information hub

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The modification of human biological systems at the molecular level with nanoscale or nanostructured materials is known as nanomedicine. Because nanoscale materials interact well with biological systems, the application of nano diagnostics and nanotherapeutics has the potential to solve many intractable health issues. A wide range of nanoparticles with changeable functional surfaces and bioactive cores have been developed. We detail the surface-plasmon resonance-enhanced optical characteristics of colloidal gold nanoparticles aimed towards current biological applications, with a focus on cancer diagnostics and treatments, in this study. The authors describe molecular-specific cancer diagnostic/detection methods such as substantially enhanced surface plasmon resonance light scattering, surface-enhanced emission of gold nanorods, and surface-enhanced Raman scattering. We also have collected the well know nanomaterial databases and have built a well know databases to make is easier for further researchers, we have open and free access to all scientific community to access the needed information, multifil keywords has used in google and PubMed for collection the data. We have provided many ways to access the data with timely updates.

Biography:

Mr. Muhammad Tariq has completed his bachelor degree from Abdul Wali Khan University Mardan KPK, Pakistan and now working as a full time Research assistant in S Khan Lab Mardan .He has submitted many international articles in well-known journals and some good articles are in pipeline, which have great contribution in the form of scientific research to scientific community as well as for local people.. For more info kindly visit the attached links.

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