**Nanotoxicity and Nanomaterials based drug delivery strategies**

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The toxic paradigms of chemotherapeutic drugs and nanoparticles are tightly linked. With the greater understanding of nanotoxicity paradigms, various research groups are actively engaged in safe desinging of nanomaterial-based drug delivery that aims to fight cancer. The aim of this review is to present interconnections between nanomaterial-based drug delivery and nanotoxicity disciplines. Nanomaterial based drug delivery strategies provide superior advantage over traditional chemotherapy.

In this review we present basic concepts and mechanisms of nanomaterial based drug delivery and nanotoxicity.