

Editorial Note on Nano Medicine

Received: February 19, 2021; **Accepted:** February 22, 2021; **Published:** February 26, 2021

EDITORIAL

Medicine is a continuously evolving field and requires continuous usage of modern technology. Nano technology is one such newly evolving field. It is a new area of research where vast research can be done to use Nano materials as devices in medicine.

Nano technology can be termed as the science and engineering of new devices, their designing, synthesis, characterization and application of materials that can be used as Nano materials. The Nano particle is usually of the Nano meter range. The Nano technology has a wide range of applications in the field of medicine.

Nano materials and gadgets can be intended to associate with cells and tissues at a sub-atomic (i.e., subcellular) level. Applications of these materials in medicine and physiology can be done with a serious level of practical particularity, permitting a level of reconciliation among innovation and organic frameworks not beforehand feasible. It is ought to be valued that nanotechnology isn't in itself a solitary arising logical control, yet rather, a gathering of various customary sciences, such as chemical science, physical science, materials science and engineering science, to unite the necessary aggregate skill and is expected to build up novel technologies. The assurance that nanotechnology brings is not only multifaceted, offering upgrades to the current methods, but also additionally giving totally new apparatuses and abilities.

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Citation: Nilitha.Y (2021) Editorial Note on Nano medicine. Nano Res ApplVol.7 No.2:2

The central properties and bioactivity of the Nano materials can be adjusted by controlling medications and materials at the nanoscale. For example, the manipulation of drugs can be done using the Nano materials which helps in the following applications.

1. To alter the blood pool time and the solubility of drug.
2. To monitor the duration of the release of the drug.
3. To facilitate high-specific site targeted delivery.

By this it can be concluded that nanotechnology is a multidisciplinary field where a wide research can be done to bring about a revolutionary change in the field of medicine.