

Editorial

## Potential Applications of Nanomedicine

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Nanomedicine is new field of science that combines nanomaterials, biomaterials, and biology to generate new class of materials that are able to mimic human cells and tissues. Engineering nanomaterials products specifically biodegradable nanoparticles are great discoveries in the area of nanomedicine technology [1-20]. One strategy for engineering nanoscale materials is to design them in order to culture the cells inside the biomaterials such as natural or synthetic polymers [21-40]. Three dimensional (3D) scaffolding biomaterials are very applicable in tissue engineering and regenerative medicine [41-60]. Tissue engineering approaches is very useful to regenerate damaged tissue by combinational technology of nano-biomaterials and stem cells technology. Potential applications of nanomedicine technology are very wide and it covers wide range of therapeutic applications from drug discovery to smart diagnostic tools [61-70]. The drawbacks of biomedical devices are very costly and it takes very long time to bring a single product into the market. Therefore, it is critical to engineer such smart nanomaterials that are capable to address the needs for the emergent market in medicine [71-91]. Nanomedicine research could be carried out within a multiple year's period. It will be divided in three different individual projects (i.e. fabrication, investigation, and implementation) consisting of three different academic and technological tasks for each parts. The vision is transferring all regions into advanced technology to overcome the above problems by grooming local research talents and attracting top-rank scientists to develop the new technologies.



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## Author Contributions

The author did all the research work of this study.

## Competing Interests

The author has declared that no competing interests exist.

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