

2015-12-18

Nanomedicine: Past, present and future - A global perspective.

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Elsevier Inc

<https://doi.org/10.1016/j.bbrc.2015.10.136>

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Nanomedicine: Past, present and future – A global perspective

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DOI//doi.org/10.1016/j.bbrc.2015.10.136

Abstract

Nanomedicine is an emerging and rapidly evolving field and includes the use of nanoparticles for diagnosis and therapy of a variety of diseases, as well as in regenerative medicine. In this mini-review, leaders in the field from around the globe provide a personal perspective on the development of nanomedicine. The focus lies on the translation from research to development and the innovation supply chain, as well as the current status of nanomedicine in industry. The role of academic professional societies and the importance of government funding are discussed. Nanomedicine to combat infectious diseases of poverty is highlighted along with other pertinent examples of recent breakthroughs in nanomedicine. Taken together, this review provides a unique and global perspective on the emerging field of nanomedicine.

Keywords

Nanomedicine; Funding; Innovation; Imaging; Diagnostics; Drug delivery