

عنوان مقاله:

Nanoparticles in Vaccine Development

محل انتشار:

فصلنامه گزارش های زیست فناوری کاربردی, دوره 1, شماره 4 (سال: 1393)

تعداد صفحات اصل مقاله: 10

نویسندگان: Abbas Hajizade - Applied Biotechnology Research Centre,Baqiyatallah University of Medical Sciences, Tehran, Iran

Firouz Ebrahimi - Department of Biology, Faculty of Basic Sciences, Imam Hossein University, Tehran, Iran

Ali-Hatef Salmanian - Department of Plant biotechnology, National Institute for Genetic Engineering and Biotechnology (NIGEB), Tehran, Iran

Ayyoob Arpanaei - Department of Industrial and Environmental Biotechnology, National Institute of Genetic Engineering and Biotechnology (NIGEB), Tehran, Iran

خلاصه مقاله:

Vaccination has greatly improved human health. Despite of all improvements in this field, there is not an efficient vaccine for many diseases, and of the available ones, some could not produce a long-term immunity. Recently, there have been many researches on the applicability of nanostructures as an efficient system forvaccine delivery, and the initial results have been promising. Their potential adjuvanticity, capability of the stimulation of both humoral and cellular immunityresponses, more stability in environmental conditions, possible targeted vaccine delivery, the need for low quantity of proteins (in the case of subunit vaccines), etc., are of the main reasons that this area has gained many interests. Here, we try to review the main nanostructures that could be act as a delivery vehicle in vaccine delivery

کلمات کلیدی: Nanovaccines, Vaccine development, Nanoparticles, Vaccine Delivery

لینک ثابت مقاله در پایگاه سیویلیکا:

https://civilica.com/doc/541218

