

## عنوان مقاله:

The effect of Tumor Cell Lysate loaded nanoparticles- on the maturation of human monocyte-derived dendritic cells

## محل انتشار:

دومین همایش بین المللی علوم و فناوری نانو دانشگاه تهران (سال: 1400)

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## خلاصه مقاله:

Only a small number of tumor-specific antigens are present in the total lysate of tumor cells. Therefore, TCLs have poor immunogenicity. In addition, TCLs are easily degraded once they enter the body and their absorption efficiency by antigen-presenting cells is very low. Therefore, various strategies have been developed to improve their immunogenicity and cell harvest. Biodegradable nanoparticles have been used as adjuvants and carriers of antigen delivery to dendritic cells and their activators. One of these nanoparticles is PLGA. Antigens encapsulated with PLGA are at least ۱۰۰ times more effective than delivery of antigen by MHC-I molecules on DC cells. In addition, nanoparticles can prevent antigen and drug from being destroyed or released early. In this study, we will try to encapsulate the TCL into the nanoparticles and investigate its effect on DCs maturation

## کلمات کلیدی:

TCL, Nano Particle, Dendritic Cell, FESEM

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1274688>

