

Studying the cell- internalization pathways of PLGA nanoparticles and the derivatives obtained from its incorporation with carbonhydrates

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Abstract

Nano-micelles consisting of amphiphilic polymer “poly lactide co glycolid (PLGA)” have been named as “Gold Standart” by FDA and have been used in many targeted cancer therapy studies, however, the cell internalization pathways of these nanoparticles into the cancer cell are not fully known. Since the entry of the nano-particle into the cell will greatly alter the effectiveness of the therapeutic agent payload, the investigation of this subject is of great importance for effective targeting.

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Biography:

Abdülkadir Bahadır Alkan has completed his Bachelor’s degree at the age of 23 from Uskudar University and studying biotechnology at Bezmialem Vakif University.

Speaker Publications:

1. The Determination of Enzyme Dissociation Constants, J. Am. Chem. Soc. 1934, 56, 3, 658–666
2. Preferential uptake of chitosan-coated PLGA nanoparticles by primary human antigen presenting cells, Volume 21, October 2019, 102073

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