

Review of: "[Review Article] Nanocarriers for Protein and Peptide Drug Delivery"

Florence Delie¹

1 University of Geneva

Potential competing interests: No potential competing interests to declare.

This manuscript entitled «Nanocarriers for Protein and Peptide Drug Delivery "by Al-Hussaniy et al. presents the different types of carriers that may be used for protein and peptide delivery.

There are already many reviews published on the topic. Therefore, a new manuscript should present a new point of view to differentiate from the others. Unfortunately, the authors merely present the carriers that may be used for peptides and protein drugs without giving examples of what would make this approach suitable for these drugs. Generally, the discussion is too broad and vague. My main is concern is that the topic announced in the title is not treated and results about the use of the carriers with proteins and/or peptides do not appear. More examples of the use of the carriers should be given with peptides and proteins.

Please find here some detailed comments:

Table 1 should also mention the polymers that are used for the formulation and the time of release targeted in the medication. Furthermore, why "Nill" is mentioned several times, information is available, add it or if not, remove the line.

Are liposomes and micelles part of nanoparticles? To me they are vesicles.

The legend for Figures 1 & 2 should be developed, are they really needed?

Why PLA and PLGA are not in the table2? These are major polymers used for polymeric particles.

Figure 3, what is a "classical" method? There are several methods to make particles, each adapted to the physicochemical properties of the molecule.

The reference list is not accurate in the sense that some citations in the text do not correspond to the article cited in the list, for instance, ref 22 cited on page 4 is about breast cancer whereas it should be related to application of nanoemulsions. Same for ref 27 on page 5, should be about silica and the paper is about liposomes. Ref 42, page 8 Kane et al, cited ref 42 is from Yadav et al, and there are several other examples.

You need to proofread the manuscript as some sentences not making sense are found:

Page 3: "Exciting techniques include mucoadhesive polymers, microspheres, nanoparticles, nanoemulsion, and nanoemulsion."



English should be checked by an English born scientist.