

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

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Potential competing interests: No potential competing interests to declare.

I have completed my review of the manuscript article titled "Nanocarriers for Protein and Peptide Drug Delivery" submitted to Qeios journal. After thorough evaluation, I think that this manuscript has a very good idea about reviewing different kind of nanocarriers for protein and peptide drug delivery. I regret to inform you that I recommend an extensive revision and resubmit this manuscript for publication due to several significant concerns:

1) Lack of novelty:

The manuscript lacks a novel approach concerning nanocarriers for drug delivery. With nanovehicles containing lots of different proteins or peptides already being on the market for several years, the authors have not clearly demonstrated how their study offers a unique contribution to the field.

2) Poor quality and engagement of figures and tables:

The manuscript suffers from issues of poor quality and engagement of the tables and figures. The style is monotonous and lacks the necessary clarity to maintain the readers' interest throughout the paper.

3) Inadequate coverage of details:

The authors mention that this review has elucidated the various nanocarrier systems available, their mechanisms of action, and their potential in enhancing the bioavailability, stability, and targeted delivery of protein and peptide drugs. In these topics, this review fail to provide sufficient information about them. This omission makes it difficult for readers to understand the importance and relevance of these events to the study of nanocarriers.

4) Missing discussion on protein corona:

The manuscript lacks a comprehensive discussion on the protein corona that forms after the nanoparticle is inside the bloodstream. Understanding these phenomena is crucial when mechanisms analysis is performed, and also, crucial for the readers to grasp the scientific basis of the review.

Considering these concerns, I believe the manuscript does not meet yet the necessary standards for publication in Qeios journal. The issues mentioned above significantly affect the manuscript's quality and scientific impact, making it unsuitable yet for the journal's readership.

I recommend that the authors consider addressing these issues thoroughly before resubmitting the manuscript.

Thank you for considering my feedback.

Best regards,

Dr. José Sebastián Cisneros.