

## Accepted Manuscript

Title: The role of hyaluronic acid inclusion on the energetics of encapsulation and release of a protein molecule from chitosan-based nanoparticles

Author: Sonia Al-Qadi Manuel Alatorre-Meda Manuel Martin-Pastor Pablo Taboada Carmen Remuñán-López



PII: S0927-7765(16)30029-7  
DOI: <http://dx.doi.org/doi:10.1016/j.colsurfb.2016.01.029>  
Reference: COLSUB 7606

To appear in: *Colloids and Surfaces B: Biointerfaces*

Received date: 16-9-2015  
Revised date: 15-1-2016  
Accepted date: 17-1-2016

Please cite this article as: Sonia Al-Qadi, Manuel Alatorre-Meda, Manuel Martin-Pastor, Pablo Taboada, Carmen Remuñán-López, The role of hyaluronic acid inclusion on the energetics of encapsulation and release of a protein molecule from chitosan-based nanoparticles, *Colloids and Surfaces B: Biointerfaces* <http://dx.doi.org/10.1016/j.colsurfb.2016.01.029>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

# The role of hyaluronic acid inclusion on the energetics of encapsulation and release of a protein molecule from chitosan-based nanoparticles

Sonia Al-Qadi<sup>a,1</sup>, Manuel Alatorre-Meda<sup>b,2</sup>, Manuel Martin-Pastor<sup>e</sup>, Pablo Taboada<sup>b\*</sup>, Carmen Remuñán-López<sup>a\*\*</sup>

<sup>a</sup>Nanobiofar Group, Department of Pharmaceutical Technology, Faculty of Pharmacy, University of Santiago de Compostela, Campus Vida, E-15782-Santiago de Compostela, Spain.

<sup>b</sup>Colloids and Polymers Physics Group, Department of Condensed Matter Physics, Faculty of Physics, University of Santiago de Compostela, Campus Vida, E-15782-Santiago de Compostela, Spain.

<sup>e</sup>Unidade de Resonancia Magnética, RIAIDT; University of Santiago de Compostela, Campus Vida, E-15782-Santiago de Compostela, Spain.

\*Corresponding author: Tel.: +34881814111; fax: +34881814111; E-mail address: pablo.taboada@usc.es (P. Taboada)

\*\*Corresponding author: Tel.: +34881815045; fax: +34981547148; E-mail address: mdelcarmen.remunan@usc.es (C. Remuñán-López)

<sup>1</sup>Current address: Faculty of Pharmacy, Al-Isra University, Amman, Jordan.

<sup>2</sup>Current address: Centre of Chemical Graduates and Research, Tijuana Technological Institute, Calzada del Tecnológico s/n, Tomas Aquino, 22414, Tijuana, México.

Download English Version:

<https://daneshyari.com/en/article/6980961>

Download Persian Version:

<https://daneshyari.com/article/6980961>

[Daneshyari.com](https://daneshyari.com)