

## Accepted Manuscript

Exploiting supramolecular interactions to produce bevacizumab-loaded nanoparticles for potential mucosal delivery

Leonardo M.B. Ferreira, Jovan D. Alonso, Charlene P. Kiill, Natália N. Ferreira, Hilde H. Buzzá, Denis R. Martins de Godoi, Douglas de Britto, Odilio Benedito G. Assis, Thiago V. Seraphim, Júlio César Borges, Maria Palmira D. Gremião

PII: S0014-3057(18)30468-3  
DOI: <https://doi.org/10.1016/j.eurpolymj.2018.04.013>  
Reference: EPJ 8369

To appear in: *European Polymer Journal*

Received Date: 8 March 2018  
Revised Date: 7 April 2018  
Accepted Date: 11 April 2018

Please cite this article as: Ferreira, L.M.B., Alonso, J.D., Kiill, C.P., Ferreira, N.N., Buzzá, H.H., Martins de Godoi, D.R., de Britto, D., Assis, O.B.G., Seraphim, T.V., Borges, J.C., Gremião, M.P.D., Exploiting supramolecular interactions to produce bevacizumab-loaded nanoparticles for potential mucosal delivery, *European Polymer Journal* (2018), doi: <https://doi.org/10.1016/j.eurpolymj.2018.04.013>

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.



# Exploiting supramolecular interactions to produce bevacizumab-loaded nanoparticles for potential mucosal delivery

Leonardo M. B. Ferreira<sup>1</sup>, Jovan D. Alonso<sup>2</sup>, Charlene P. Kiill<sup>1</sup>, Natália N. Ferreira<sup>1</sup>, Hilde H. Buzzá<sup>3</sup>, Denis R. Martins de Godoi<sup>2</sup>, Douglas de Britto<sup>4</sup>, Odílio Benedito G. Assis<sup>5</sup>, Thiago V. Seraphim<sup>6</sup>, Júlio César Borges<sup>6</sup>, Maria Palmira D. Gremião<sup>1\*\*</sup>

<sup>1</sup>School of Pharmaceutical Science, São Paulo State University, UNESP, Rodovia Araraquara/Jaú Km 1, Araraquara, São Paulo, Brazil.

<sup>2</sup>Institute of Chemistry of Araraquara, São Paulo State University, UNESP, Araraquara, São Paulo, Brazil.

<sup>3</sup>Biophotonics Laboratory, São Carlos Institute of Physics, University of São Paulo (USP), São Carlos, São Paulo, Brazil.

<sup>4</sup>EMBRAPA, Semi-Arid, Rodovia BE-428, Km 152, P.O. box 23, Petrolina, PE, Brazil.

<sup>5</sup>EMBRAPA Instrumentation, Rua XV de Novembro, 1.452, P.O box 741. 13560-970, São Carlos, SP, Brazil.

<sup>6</sup> Institute of Chemistry of São Carlos, University of São Paulo, USP, São Carlos, Brazil.

**\*\*CORRESPONDING AUTHOR.** Maria Palmira Daflon Gremião. [pgremiao@fcfar.unesp.br](mailto:pgremiao@fcfar.unesp.br). School of Pharmaceutical Science, São Paulo State University, UNESP- Araraquara-SP. Rodovia Araraquara-Jaú Km 01. Postal code: 14801-902. Phone: (+5516) 3301-6975.

**KEYWORDS:** bevacizumab, supramolecular interactions, polymeric nanoparticles, drug delivery platform, mucoadhesion, mucus penetration.

**ABSTRACT**

Download English Version:

<https://daneshyari.com/en/article/7803610>

Download Persian Version:

<https://daneshyari.com/article/7803610>

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