

Accepted Manuscript



Title: Biosynthesized silver nanoparticles: decoding their mechanism of action in *Staphylococcus aureus* and *Escherichia coli*

Authors: Quinteros Melisa A, Cano Aristizabal Viviana, Onnainty Renné, Mary Verónica S, Theumer Martín G, Granero Gladys E., Paraje María G, Páez Paulina L

PII: S1357-2725(18)30199-7

DOI: <https://doi.org/10.1016/j.biocel.2018.09.006>

Reference: BC 5416

To appear in: *The International Journal of Biochemistry & Cell Biology*

Received date: 2-7-2018

Revised date: 5-9-2018

Accepted date: 14-9-2018

Please cite this article as: Quinteros MA, Cano A, Onnainty R, Mary VS, Theumer Martín G, Granero GE, Paraje MG, Páez PL, Biosynthesized silver nanoparticles: decoding their mechanism of action in *Staphylococcus aureus* and *Escherichia coli*, *International Journal of Biochemistry and Cell Biology* (2018), <https://doi.org/10.1016/j.biocel.2018.09.006>

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.

TITLE. Biosynthesized silver nanoparticles: decoding their mechanism of action in *Staphylococcus aureus* and *Escherichia coli*.

AUTHORS. Quinteros Melisa A^{1,3}, Cano Aristizabal Viviana^{1,4}, Onnainty Renne^{1,4}, Mary Verónica S⁵, Theumer Martín G^{5,6}, Granero Gladys E.^{1,4}, Paraje María G^{2,3} and Páez Paulina L^{1,4,*}.

AFFILIATIONS.¹Dto. Ciencias Farmacéuticas, Facultad de Ciencias Químicas, Universidad Nacional de Córdoba (UNC), Ciudad Universitaria, Haya de la Torre y Medina Allende, X5000HUA Córdoba, Argentina.

²Cátedra de Microbiología, Facultad de Ciencias Exactas Físicas y Naturales, UNC, Av. Vélez Sarsfield 299, X5000JJJC Córdoba, Argentina.³Instituto Multidisciplinario de Biología Vegetal (IMBIV)-Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET), Ciudad Universitaria, Haya de la Torre y Medina Allende, X5000HUA Córdoba, Argentina. ⁴Unidad de Tecnología Farmacéutica (UNITEFA)-CONICET. ⁵Dto de Bioquímica Clínica, Facultad de Ciencias Químicas, UNC⁶Centro de Investigaciones en Bioquímica Clínica e Inmunología (CIBICI), CONICET, Ciudad Universitaria, Haya de la Torre y Medina Allende, X5000HUA Córdoba, Argentina.

*Corresponding author. Dr. Paulina L. Páez, Dpto. Ciencias Farmacéuticas, Facultad de Ciencias Químicas, Universidad Nacional de Córdoba, Haya de la Torre y Medina Allende, Ciudad Universitaria. X5000HUA. Córdoba, Argentina. Tel/Fax: +54-351-5353865. plpaez@fcq.unc.edu.ar

Graphical Abstract

Download English Version:

<https://daneshyari.com/en/article/11029392>

Download Persian Version:

<https://daneshyari.com/article/11029392>

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