

**Titre:** Erratum: Characterization and Mathematical Modeling of Alginate/Chitosan-Based Nanoparticles Releasing the Chemokine CXCL12 to Attract Glioblastoma Cells  
**Title:** Erratum: Characterization and Mathematical Modeling of Alginate/Chitosan-Based Nanoparticles Releasing the Chemokine CXCL12 to Attract Glioblastoma Cells

**Auteurs:** Suzanne Gascon, Angéla Giraldo Solano, Wiam El Kheir, Hélène Therriault, Pierre Berthelin, Bettina Cattier, Bernard Marcos, Nick Virgilio, Benoit Paquette, Nathalie Faucheux, & Marc-Antoine Lauzon  
**Authors:** Suzanne Gascon, Angéla Giraldo Solano, Wiam El Kheir, Hélène Therriault, Pierre Berthelin, Bettina Cattier, Bernard Marcos, Nick Virgilio, Benoit Paquette, Nathalie Faucheux, & Marc-Antoine Lauzon

**Date:** 2020

**Type:** Article de revue / Article

Gascon, S., Giraldo Solano, A., El Kheir, W., Therriault, H., Berthelin, P., Cattier, B., Marcos, B., Virgilio, N., Paquette, B., Faucheux, N., & Lauzon, M.-A. (2020).

**Référence:** Erratum: Characterization and Mathematical Modeling of Alginate/Chitosan-Based Nanoparticles Releasing the Chemokine CXCL12 to Attract Glioblastoma Cells.  
**Citation:** Pharmaceutics, 12(12), 1153 (2 pages).  
<https://doi.org/10.3390/pharmaceutics12121153>

## Document en libre accès dans PolyPublie

Open Access document in PolyPublie

**URL de PolyPublie:** <https://publications.polymtl.ca/9464/>  
**PolyPublie URL:** https://publications.polymtl.ca/9464/

**Version:** Erratum  
Révisé par les pairs / Refereed

**Conditions d'utilisation:** CC BY  
**Terms of Use:** CC BY

## Document publié chez l'éditeur officiel

Document issued by the official publisher

**Titre de la revue:** Pharmaceutics (vol. 12, no. 12)  
**Journal Title:** Pharmaceutics (vol. 12, no. 12)

**Maison d'édition:** MDPI  
**Publisher:** MDPI

**URL officiel:** <https://doi.org/10.3390/pharmaceutics12121153>  
**Official URL:** https://doi.org/10.3390/pharmaceutics12121153

**Mention légale:** © 2020 by the authors. Licensee MDPI, Basel, Switzerland. This article is an open access article distributed under the terms and conditions of the Creative Commons Attribution (CC BY) license (<http://creativecommons.org/licenses/by/4.0/>).

*Erratum*

## Erratum: Gascon S.; et al. Characterization and Mathematical Modeling of Alginate/Chitosan-Based Nanoparticles Releasing the Chemokine CXCL12 to Attract Glioblastoma Cells. *Pharmaceutics* 2020, **12**, 356

Suzanne Gascon <sup>1</sup>, Angéla Giraldo Solano <sup>2</sup> , Wiam El Kheir <sup>3</sup>, Hélène Therriault <sup>2</sup>, Pierre Berthelin <sup>1</sup>, Bettina Cattier <sup>3</sup>, Bernard Marcos <sup>4</sup>, Nick Virgilio <sup>5</sup>, Benoit Paquette <sup>2</sup> , Nathalie Faucheu <sup>1,6</sup>  and Marc-Antoine Lauzon <sup>3,7,\*</sup>

<sup>1</sup> Laboratory of Cell-Biomaterial Biohybrid Systems, Department of Chemical and Biotechnological Engineering, Faculty of Engineering, Université de Sherbrooke, 2500 Boul. Université, Sherbrooke, QC J1K 2R1, Canada; Suzanne.Gascon@USherbrooke.ca (S.G.); Pierre.Berthelin@USherbrooke.ca (P.B.); Nathalie.Faucheu@USherbrooke.ca (N.F.)

<sup>2</sup> Department of Nuclear Medicine and Radiobiology, Faculty of Medicine and Health Sciences, Université de Sherbrooke, 12e Avenue Nord, Sherbrooke, QC J1H 5N4, Canada; Angela.Giraldo.Solano@USherbrooke.ca (A.G.S.); Helene.Therriault@USherbrooke.ca (H.T.); Benoit.Paquette@USherbrooke.ca (B.P.)

<sup>3</sup> Advanced Dynamic Cell Culture Systems Laboratory, Department of Chemical and Biotechnological Engineering, Faculty of Engineering, Université de Sherbrooke, 2500 Boul. Université, Sherbrooke, QC J1K 2R1, Canada; Wiam.El.Kheir@USherbrooke.ca (W.E.K.); b.cattier@hubebi.com (B.C.)

<sup>4</sup> Department of Chemical and Biotechnological Engineering, Faculty of Engineering, Université de Sherbrooke, 2500 Boul. Université, Sherbrooke, QC J1K 2R1, Canada; Bernard.Marcos@USherbrooke.ca

<sup>5</sup> Department of Chemical Engineering, Polytechnique Montréal, Montréal, QC H3C 3A7, Canada; Nick.Virgilio@polymtl.ca

<sup>6</sup> Clinical Research Center of the Centre Hospitalier Universitaire de l'Université de Sherbrooke, 12e Avenue Nord, Sherbrooke, QC J1H 5N4, Canada

<sup>7</sup> Research Center on Aging, 1036, rue Belvédère Sud, Sherbrooke, QC J1H 4C4, Canada

\* Correspondence: Marc-Antoine.Lauzon@USherbrooke.ca; Tel.: +1-819-821-8000 (ext. 66457)

Received: 18 October 2020; Accepted: 12 November 2020; Published: 27 November 2020



**Keywords:** nanoparticles; chitosan; alginate; delivery system; mathematical modeling; chemokine; cell migration

The authors wish to make the following correction to this paper [1]: In the *Materials and Methods* Section, there is a missing term ( $r^2$ ) in Equation (3), which depicts Fick's second law of diffusion for spherical coordinates in the radial dimension assuming a constant diffusion coefficient. The equation should have been written as follows:

$$\frac{\partial C_{\text{CXCL12}}}{\partial t} = \frac{D_{\text{eff}}}{r^2} \left[ \frac{\partial}{\partial r} \left( r^2 \frac{\partial C_{\text{CXCL12}}}{\partial r} \right) \right] \quad (3)$$

Note that this typographical error does not affect in any way the results or conclusions of the article. The authors would like to apologize for any inconvenience caused to the readers by these changes.

## Reference

1. Gascon, S.; Giraldo Solano, A.; El Kheir, W.; Therriault, H.; Berthelin, P.; Cattier, B.; Marcos, B.; Virgilio, N.; Paquette, B.; Faucheuix, N.; et al. Characterization and Mathematical Modeling of Alginate/Chitosan-Based Nanoparticles Releasing the Chemokine CXCL12 to Attract Glioblastoma Cells. *Pharmaceutics* **2020**, *12*, 356. [CrossRef] [PubMed]

**Publisher's Note:** MDPI stays neutral with regard to jurisdictional claims in published maps and institutional affiliations.



© 2020 by the authors. Licensee MDPI, Basel, Switzerland. This article is an open access article distributed under the terms and conditions of the Creative Commons Attribution (CC BY) license (<http://creativecommons.org/licenses/by/4.0/>).