

Accepted Manuscript

Full length article

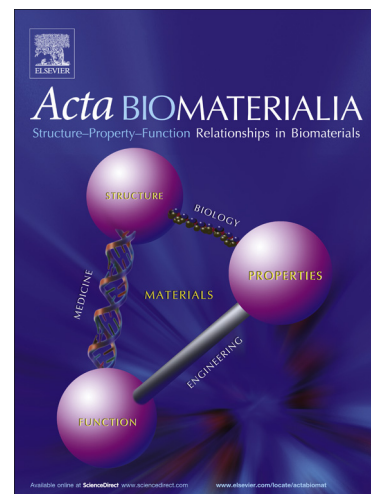
Surfactant protein b (sp-b) enhances the cellular sirna delivery of proteolipid coated nanogels for inhalation therapy

Pieterjan Merckx, Lynn De Backer, Lien Van Hoecke, Roberta Guagliardo, Mercedes Echaide, Pieter Baatsen, Bárbara Olmeda, Xavier Saelens, Jesús Pérez-Gil, Stefaan C. De Smedt, Koen Raemdonck

PII: S1742-7061(18)30479-3
DOI: <https://doi.org/10.1016/j.actbio.2018.08.012>
Reference: ACTBIO 5616

To appear in: *Acta Biomaterialia*

Received Date: 29 March 2018
Revised Date: 30 July 2018
Accepted Date: 13 August 2018



Please cite this article as: Merckx, P., De Backer, L., Van Hoecke, L., Guagliardo, R., Echaide, M., Baatsen, P., Olmeda, B., Saelens, X., Pérez-Gil, J., De Smedt, S.C., Raemdonck, K., Surfactant protein b (sp-b) enhances the cellular sirna delivery of proteolipid coated nanogels for inhalation therapy, *Acta Biomaterialia* (2018), doi: <https://doi.org/10.1016/j.actbio.2018.08.012>

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.

SURFACTANT PROTEIN B (SP-B) ENHANCES THE CELLULAR SIRNA DELIVERY OF PROTEOLIPID COATED NANOGELES FOR INHALATION THERAPY

Pieterjan Merckx^{a,1}, Lynn De Backer^{a,1}, Lien Van Hoecke^{b,c}, Roberta Guagliardo^a, Mercedes Echaide^d, Pieter Baatsen^e, Bárbara Olmeda^d, Xavier Saelens^{b,c}, Jesús Pérez-Gil^d, Stefaan C. De Smedt^a, Koen Raemdonck^{a,}*

¹ Both authors contributed equally to this work.

* Corresponding author.

Prof. Dr. Koen Raemdonck

Ghent Research Group on Nanomedicines
Laboratory of General Biochemistry and Physical Pharmacy
Faculty of Pharmaceutical Sciences
Department of Pharmaceutics
Ghent University
Ottergemsesteenweg 460, 9000 Ghent
Belgium

Telephone: +32 9 264 80 78

Fax: +32 9 264 81 89

Email: koen.raemdonck@ugent.be

^a Ghent Research Group on Nanomedicines, Laboratory of General Biochemistry and Physical Pharmacy, Faculty of Pharmaceutical Sciences, Department of Pharmaceutics, Ghent University, Ottergemsesteenweg 460, 9000 Ghent, Belgium.

pieterjan.merckx@ugent.be; lynn.debacker@ugent.be; roberta.guagliardo@ugent.be; stefaan.desmedt@ugent.be

^b VIB-UGent, Center for Medical Biotechnology, Technologiepark 927, 9052 Zwijnaarde (Ghent), Belgium.

^c Department of Biomedical Molecular Biology, Ghent University, Technologiepark 927, 9052 Zwijnaarde (Ghent), Belgium.

lien.vanhoecke@vib-ugent.be; xavier.saelens@vib-ugent.be

^d Departamento de Bioquímica y Biología Molecular, Facultad de Biología, Research Institute Hospital 12 Octubre, Universidad Complutense, José Antonio Novais 12, 28040 Madrid, Spain.

mechaide@ucm.es; barbara_olmeda@bio.ucm.es; jperezgil@bio.ucm.es

^e VIB-KU Leuven, VIB Bio Imaging Core, Center for Brain and Disease Research, Campus Gasthuisberg, Herestraat 49 box 602, 3000 Leuven, Belgium

pieter.baatsen@kuleuven.vib.be

Download English Version:

<https://daneshyari.com/en/article/8959741>

Download Persian Version:

<https://daneshyari.com/article/8959741>

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