

## Accepted Manuscript

In vitro and in vivo delivery of siRNA via VIPER polymer system to lung cells

Daniel P. Feldmann, Yilong Cheng, Rima Kandil, Yuran Xie, Mariam Mohammadi, Hartmann Harz, Akhil Sharma, David J. Peeler, Anna Moszczynska, Heinrich Leonhardt, Suzie H. Pun, Olivia M. Merkel



PII: S0168-3659(18)30077-4  
DOI: doi:[10.1016/j.jconrel.2018.02.017](https://doi.org/10.1016/j.jconrel.2018.02.017)  
Reference: COREL 9165  
To appear in: *Journal of Controlled Release*  
Received date: 11 November 2017  
Revised date: 11 February 2018  
Accepted date: 12 February 2018

Please cite this article as: Daniel P. Feldmann, Yilong Cheng, Rima Kandil, Yuran Xie, Mariam Mohammadi, Hartmann Harz, Akhil Sharma, David J. Peeler, Anna Moszczynska, Heinrich Leonhardt, Suzie H. Pun, Olivia M. Merkel, In vitro and in vivo delivery of siRNA via VIPER polymer system to lung cells. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Corel(2018), doi:[10.1016/j.jconrel.2018.02.017](https://doi.org/10.1016/j.jconrel.2018.02.017)

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.

# In Vitro and In Vivo Delivery of siRNA via VIPER Polymer System to Lung Cells

**Daniel P Feldmann<sup>a</sup>; Yilong Cheng<sup>b</sup>; Rima Kandil<sup>c</sup>; Yuran Xie<sup>d</sup>; Mariam Mohammadi<sup>c</sup>; Hartmann Harz<sup>e</sup>; Akhil Sharma<sup>d</sup>; David J Peeler<sup>b</sup>; Anna Moszczynska<sup>d</sup>; Heinrich Leonhardt<sup>e</sup>; Suzie H. Pun<sup>b</sup>; Olivia M Merkel<sup>a,c,d,\*</sup>**

<sup>a</sup> Department of Oncology, Wayne State University School of Medicine, 4100 John R St, Detroit, MI 48201, United States

<sup>b</sup> Department of Bioengineering and Molecular Engineering and Sciences Institute, University of Washington, Seattle, WA, USA

<sup>c</sup> Department of Pharmacy, Pharmaceutical Technology and Biopharmacy, Ludwig-Maximilians-Universität München, 81337 Munich, Germany

<sup>d</sup> Department of Pharmaceutical Sciences, Wayne State University, 259 Mack Ave, Detroit, MI 48201, United States

<sup>e</sup> Department of Biology, Human Biology and Bioimaging, Ludwig-Maximilians- Universität München, 82152 Martinsried, Germany

\*Corresponding author:

Prof. Dr. Olivia Merkel

Department of Pharmacy, Pharmaceutical Technology and Biopharmacy,

Ludwig-Maximilians- Universität München,

81337 Munich, Germany

Phone: +49-89-2180-77025

Fax: +49-89-2180-77020

E-mail: olivia.merkel@lmu.de

Download English Version:

<https://daneshyari.com/en/article/7859941>

Download Persian Version:

<https://daneshyari.com/article/7859941>

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