

# Accepted Manuscript

Topically-delivered tumor necrosis factor-targeted gene regulation for psoriasis

Katherine T. Lewandowski, Rebecca Thiede, Nicholas Guido, Weston L. Daniel, Richard Kang, Mara-Isel Guerrero-Zayas, Mark A. Seeger, Xiao-Qi Wang, David A. Giljohann, Amy S. Paller

PII: S0022-202X(17)31493-8

DOI: [10.1016/j.jid.2017.04.027](https://doi.org/10.1016/j.jid.2017.04.027)

Reference: JID 859

To appear in: *The Journal of Investigative Dermatology*

Received Date: 6 February 2017

Revised Date: 31 March 2017

Accepted Date: 18 April 2017

Please cite this article as: Lewandowski KT, Thiede R, Guido N, Daniel WL, Kang R, Guerrero-Zayas M-I, Seeger MA, Wang X-Q, Giljohann DA, Paller AS, Topically-delivered tumor necrosis factor-targeted gene regulation for psoriasis, *The Journal of Investigative Dermatology* (2017), doi: 10.1016/j.jid.2017.04.027.

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.



## Topically-delivered tumor necrosis factor-targeted gene regulation for psoriasis

Katherine T. Lewandowski<sup>1</sup>, Rebecca Thiede<sup>1</sup>, Nicholas Guido<sup>1</sup>, Weston L. Daniel<sup>2</sup>, Richard Kang<sup>2</sup>, Mara-Isel Guerrero-Zayas<sup>1</sup>, Mark A. Seeger<sup>1</sup>, Xiao-Qi Wang<sup>1</sup>, David A. Giljohann<sup>2</sup>, Amy S. Paller<sup>1</sup>

<sup>1</sup>Department of Dermatology, Northwestern Univ., Chicago, IL and <sup>2</sup>Exicure, Inc., Skokie, IL

**Short Title:** Topical TNF-suppressive gene regulation for psoriasis

**Words:** 943; **Figures:** 2; **Supplemental material:** Supplemental Materials and Methods + 5 supplemental figures + 1 supplemental table

**Conflict of Interest:** Drs. Daniel, Kang, and Giljohann are employees of Exicure, Inc. Dr. Paller is a member of the Exicure Scientific Advisory Board and has received Exicure Inc. stock options.

**Corresponding Author:**

Amy S. Paller, M.D.  
676 N. St. Clair, Suite 1600  
Chicago, IL 60611  
Tel. (312) 695-3721  
Fax. (312) 695-0664  
Email: apaller@northwestern.edu

**Abbreviations:** SNA, spherical nucleic acid; L-SNA, liposomal spherical nucleic acid; TNF, tumor necrosis factor-alpha; KCs, keratinocytes; IMQ, imiquimod; siRNA, small interfering ribonucleic acid; AS DNA, antisense deoxyribonucleic acid.

Download English Version:

<https://daneshyari.com/en/article/5649207>

Download Persian Version:

<https://daneshyari.com/article/5649207>

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