

Accepted Manuscript

TNF α gene silencing mediated by orally targeted nanoparticles combined with interleukin-22 for synergistic combination therapy of ulcerative colitis

Bo Xiao, Qiubing Chen, Zhan Zhang, Lixin Wang, Timothy Denning, Yuejun Kang, Didier Merlin



PII: S0168-3659(18)30487-5
DOI: doi:[10.1016/j.jconrel.2018.08.021](https://doi.org/10.1016/j.jconrel.2018.08.021)
Reference: COREL 9430
To appear in: *Journal of Controlled Release*
Received date: 4 July 2018
Accepted date: 11 August 2018

Please cite this article as: Bo Xiao, Qiubing Chen, Zhan Zhang, Lixin Wang, Timothy Denning, Yuejun Kang, Didier Merlin, TNF α gene silencing mediated by orally targeted nanoparticles combined with interleukin-22 for synergistic combination therapy of ulcerative colitis. *Corel* (2018), doi:[10.1016/j.jconrel.2018.08.021](https://doi.org/10.1016/j.jconrel.2018.08.021)

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.

TNF α gene silencing mediated by orally targeted nanoparticles combined with interleukin-22 for synergistic combination therapy of ulcerative colitis

Bo Xiao^{a,b,c,1,*}, Qiubing Chen^{b,c,1}, Zhan Zhang^a, Lixin Wang^{a,d}, Timothy Denning^a, Yuejun Kang^{b,c}, Didier Merlin^{a,d}

^aInstitute for Biomedical Sciences, Center for Diagnostics and Therapeutics, Digestive Disease Research Group, Georgia State University, Atlanta, Georgia 30302, USA

^bInstitute for Clean Energy and Advanced Materials, Faculty for Materials and Energy, Southwest University, Beibei, Chongqing 400715, P. R. China

^cChongqing Engineering Research Center for Micro-Nano Biomedical Materials and Devices, Southwest University, Beibei, Chongqing 400715, P. R. China

^dAtlanta Veterans Affairs Medical Center, Decatur, Georgia 30033, USA

* Corresponding author at: Institute for Clean Energy and Advanced Materials, Faculty for Materials and Energy, Southwest University, Beibei, Chongqing 400715, P. R. China

E-mail address: hustboxiao@gmail.com or bxiao@gsu.edu (B. Xiao)

¹ These authors are contributed equally to this work.

Download English Version:

<https://daneshyari.com/en/article/10135458>

Download Persian Version:

<https://daneshyari.com/article/10135458>

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