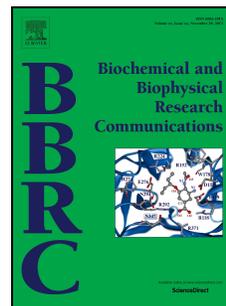


# Accepted Manuscript

Peroxisome proliferator-activated receptor- $\gamma$  (PPAR- $\gamma$ ) agonist inhibits collagen synthesis in human hypertrophic scar fibroblasts by targeting Smad3 *via* miR-145

Hua-Yu Zhu, Chao Li, Zhao Zheng, Qin Zhou, Hao Guan, Lin-Lin Su, Jun-Tao Han, Xiong-Xiang Zhu, Shu-yue Wang, Jun Li, Da-Hai Hu



PII: S0006-291X(15)00289-2

DOI: [10.1016/j.bbrc.2015.02.061](https://doi.org/10.1016/j.bbrc.2015.02.061)

Reference: YBBRC 33453

To appear in: *Biochemical and Biophysical Research Communications*

Received Date: 28 January 2015

Accepted Date: 11 February 2015

Please cite this article as: H.-Y. Zhu, C. Li, Z. Zheng, Q. Zhou, H. Guan, L.-L. Su, J.-T. Han, X.-X. Zhu, S.-y. Wang, J. Li, D.-H. Hu, Peroxisome proliferator-activated receptor- $\gamma$  (PPAR- $\gamma$ ) agonist inhibits collagen synthesis in human hypertrophic scar fibroblasts by targeting Smad3 *via* miR-145, *Biochemical and Biophysical Research Communications* (2015), doi: 10.1016/j.bbrc.2015.02.061.

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.

**Peroxisome proliferator-activated receptor- $\gamma$  (PPAR- $\gamma$ ) agonist inhibits collagen synthesis in human hypertrophic scar fibroblasts by targeting Smad3 *via* miR-145**

Hua-Yu Zhu<sup>1</sup>, Chao Li<sup>1</sup>, Zhao Zheng<sup>1</sup>, Qin Zhou, Hao Guan, Lin-Lin Su, Jun-Tao Han, Xiong-Xiang Zhu, Shu-yue Wang, Jun Li<sup>\*</sup>, Da-Hai Hu<sup>\*</sup>

Department of Burns and Cutaneous Surgery, Xijing Hospital, Fourth Military Medical University, 710032 Xi'an, China.

\*Corresponding authors at: Department of Burns and Cutaneous Surgery, Xijing Hospital, Fourth Military Medical University, Changle street 15#, Xi'an, Shanxi, People's Republic of China. Tel.: +862984775293; fax: +862983251734; E-mail addresses: hudahaifmmu@aliyun.com (D-H Hu), lijunfmmu@163.com (J Li)

<sup>1</sup> These authors contributed equally to this work.

**Running title:** Troglitazone inhibits collagen synthesis

**Abbreviations:** ECM, extracellular matrix; HSFb, hypertrophic scar-derived fibroblast; RT-PCR, reverse transcriptase-PCR; UTR, untranslated region; PPAR- $\gamma$ , Peroxisome proliferator-activated receptor- $\gamma$ ; miRNA, microRNA; Col1, collagen type I

Download English Version:

<https://daneshyari.com/en/article/10752757>

Download Persian Version:

<https://daneshyari.com/article/10752757>

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