


CORRECTION

Open Access



Correction: Mesenchymal stromal cells attenuate alveolar type 2 cells senescence through regulating NAMPT-mediated NAD metabolism

Xiaofan Lai¹, Shaojie Huang¹, Sijia Lin², Lvya Pu², Yaqing Wang¹, Yingying Lin¹, Wenqi Huang^{1*} and Zhongxing Wang^{1*} 

Correction to: *Stem Cell Research & Therapy* (2022) 13:12
<https://doi.org/10.1186/s13287-021-02688-w>

Following the publication of the original article [1], the authors identified an error in Fig. 2. The authors noticed that the image of Bleo + MSCs group was not the representative image in Fig. 2A, which was accidentally used during the layout of figures. It has been corrected after they double checked the original data. The results and conclusion concluded in this paper are still valid.

(See figure on next page.)

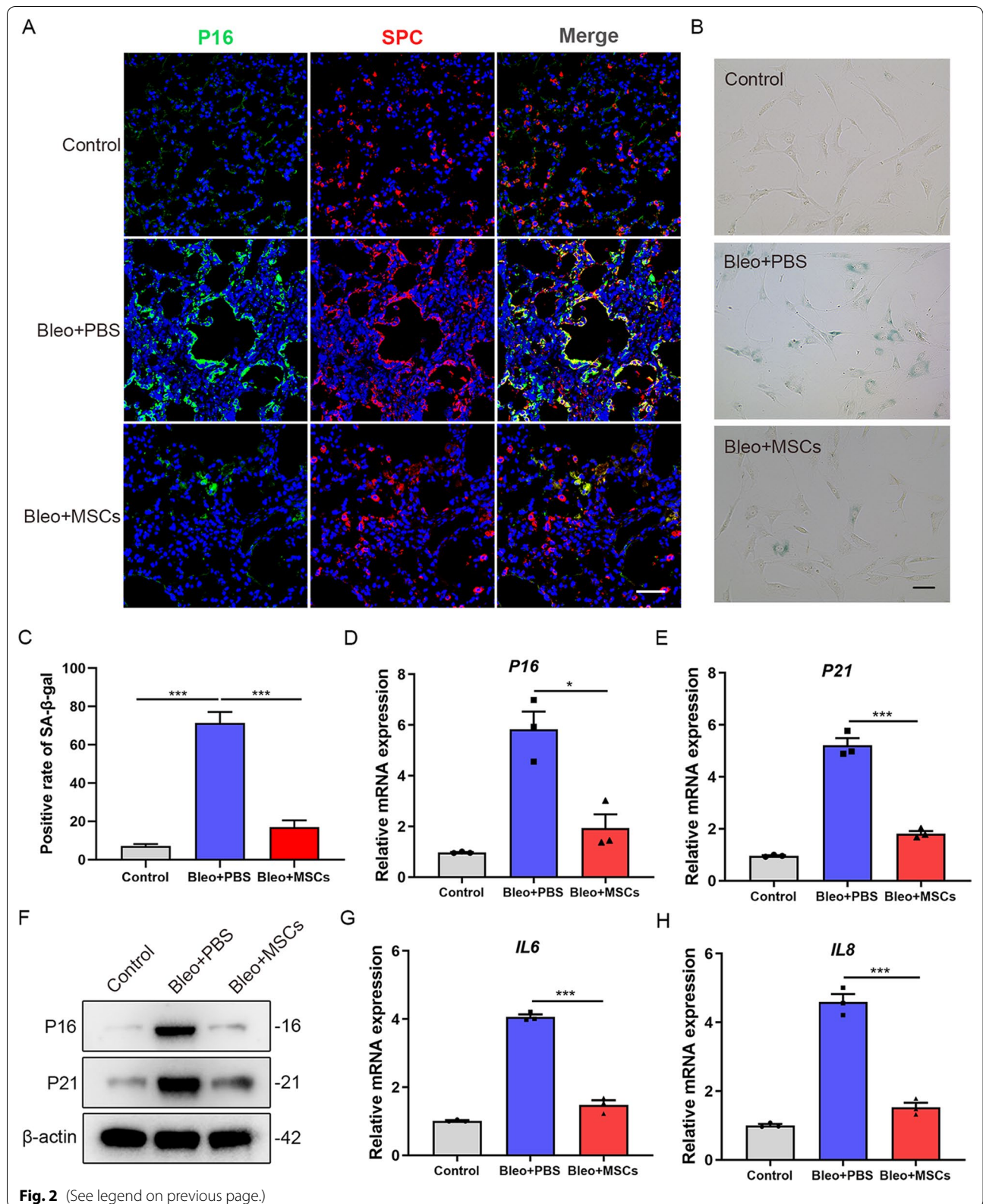
Fig. 2 Senescence markers are downregulated in AT2 cells of MSCs-treated pulmonary fibrosis mice. **A** Immunofluorescence staining of lung sections from mice ($n = 6$ per group) and visualized using anti-P16 (green) and anti-SPC (red) antibodies. Scale bars: 50 μm . **B** SA- β -galactosidase staining of primary AT2 cells from mice of the different groups ($n = 6$ mice per group). **C** Quantification of the percentage of β -galactosidase positive cells from B. **D** qPCR analysis of P16 mRNA expression in primary AT2 cells from mice of the different groups. **E** qPCR analysis of P21 mRNA expression in primary AT2 cells from mice of the different groups. **F** Western blot analysis of P16 and P21 expression in primary AT2 cells from mice of the different groups. **G** qPCR analysis of IL6 mRNA expression in primary AT2 cells from mice of the different groups. **H** qPCR analysis of IL8 mRNA expression in primary AT2 cells from mice of the different groups. Data are presented as the mean \pm SEM of three independent experiments; * $P < 0.05$, *** $P < 0.001$; one-way ANOVA and Tukey's multiple comparisons test

The original article can be found online at <https://doi.org/10.1186/s13287-021-02688-w>.

*Correspondence: huangwq@mail.sysu.edu.cn; wzhxing@mail.sysu.edu.cn
¹ Department of Anesthesiology, The First Affiliated Hospital, Sun Yat-sen University, Guangzhou, China
Full list of author information is available at the end of the article



© The Author(s) 2022. **Open Access** This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons licence, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons licence, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons licence and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this licence, visit <http://creativecommons.org/licenses/by/4.0/>. The Creative Commons Public Domain Dedication waiver (<http://creativecommons.org/publicdomain/zero/1.0/>) applies to the data made available in this article, unless otherwise stated in a credit line to the data.



Author details

¹Department of Anesthesiology, The First Affiliated Hospital, Sun Yat-sen University, Guangzhou, China. ²Zhongshan School of Medicine, Sun Yat-sen University, Guangzhou, China.

Published online: 29 April 2022

Reference

1. Lai X, Huang S, Lin S, et al. Mesenchymal stromal cells attenuate alveolar type 2 cells senescence through regulating NAMPT-mediated NAD metabolism. *Stem Cell Res Ther.* 2022;13(1):12. <https://doi.org/10.1186/s13287-021-02688-w>.

Publisher's Note

Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.