

Corrigendum: Dual-Targeting Nanoparticle-Mediated Gene Therapy Strategy for Hepatocellular Carcinoma by Delivering Small Interfering RNA

Qi Chang Zheng^{1†}, Shuai Jiang^{1†}, Yu Zhe Wu¹, Dan Shang², Yong Zhang¹, Shao Bo Hu¹, Xiang Cheng¹, Chen Zhang¹, Ping Sun¹, Yang Gao¹, Zi Fang Song^{1*} and Min Li^{1*}

OPEN ACCESS

Approved by:

Frontiers Editorial Office, Frontiers Media SA, Switzerland

*Correspondence:

Zi Fang Song zsong@hust.edu.cn Min Li liminmed@hust.edu.cn

[†]These authors have contributed equally to this work

Specialty section:

This article was submitted to Biomaterials, a section of the journal Frontiers in Bioengineering and Biotechnology

Received: 20 January 2021 Accepted: 21 January 2021 Published: 11 February 2021

Citation:

Zheng QC, Jiang S, Wu YZ, Shang D, Zhang Y, Hu SB, Cheng X, Zhang C, Sun P, Gao Y, Song ZF and Li M (2021) Corrigendum: Dual-Targeting Nanoparticle-Mediated Gene Therapy Strategy for Hepatocellular Carcinoma by Delivering Small Interfering RNA. Front. Bioeng. Biotechnol. 9:656268. doi: 10.3389/fbioe.2021.656268 ¹ Department of Hepatobiliary Surgery, Union Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China, ² Department of Vascular Surgery, Union Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China

Keywords: small interfering RNA, gene therapy, targeted therapy, chitosan, hepatocellular carcinoma, drug delivery

A Corrigendum on

Dual-Targeting Nanoparticle-Mediated Gene Therapy Strategy for Hepatocellular Carcinoma by Delivering Small Interfering RNA

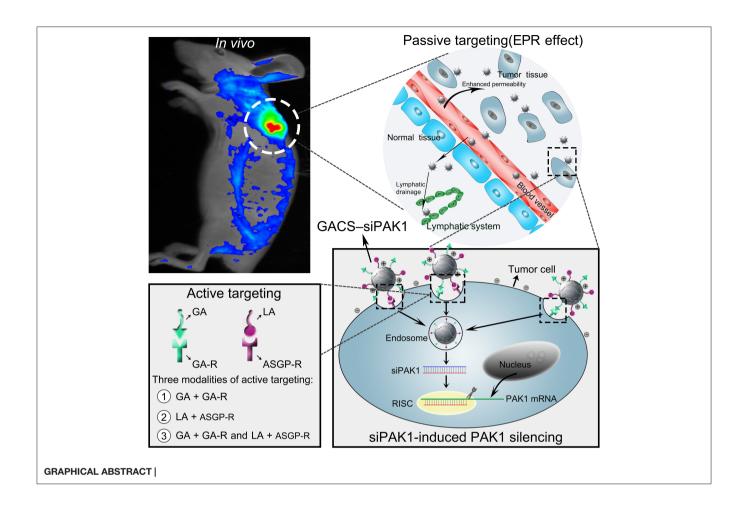
by Zheng, Q. C., Jiang, S., Wu, Y. Z., Shang, D., Zhang, Y., Hu, S. B., et al. (2020). Front. Bioeng. Biotechnol. 8:512. doi: 10.3389/fbioe.2020.00512

In the published article, there was an error in affiliations 1 and 2. Affiliation 1 should be "Department of Hepatobiliary Surgery, Union Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China". Affiliation 2 should be "Department of Vascular Surgery, Union Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China".

In the original article, there was a mistake in the **Graphical Abstract** and in **Figure 1** as published. "EPR effect" was incorrectly written as "ERP effect". The corrected **Graphical Abstract** and **Figure 1** appear below.

The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

Copyright © 2021 Zheng, Jiang, Wu, Shang, Zhang, Hu, Cheng, Zhang, Sun, Gao, Song and Li. This is an open-access article distributed under the terms of the Creative Commons Attribution License (CC BY). The use, distribution or reproduction in other forums is permitted, provided the original author(s) and the copyright owner(s) are credited and that the original publication in this journal is cited, in accordance with accepted academic practice. No use, distribution or reproduction is permitted which does not comply with these terms.



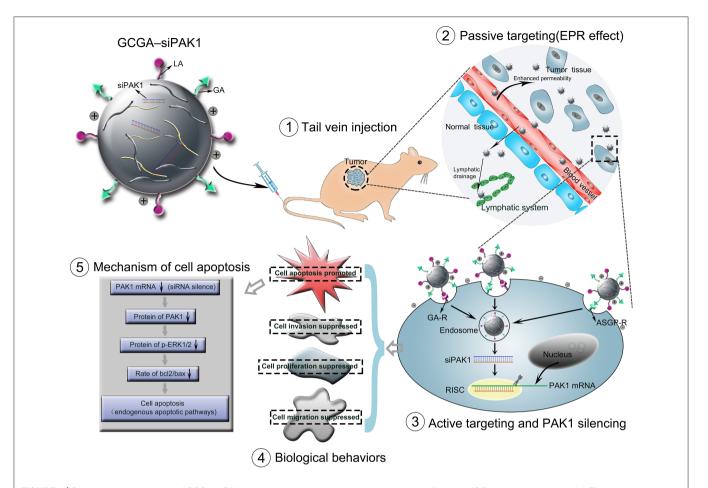


FIGURE 1 | Schematic representation of GCGA-siPAK1 promoting targeted delivery and therapeutic efficacy in HCC xenograft mouse model. The process includes four steps: (1) intravenous administration of GCGA-siPAK1 via tail vein; (2) NPs accumulation in tumor tissue via passive targeting (commonly known as the EPR effect); (3) three modalities of active targeting via dual-ligand-receptor-mediated endocytosis and mechanism of RNAi (siPAK1-induced PAK1 silencing); (4) tumor biological behaviors after PAK1 silencing; and (5) molecular mechanism of promoting cell apoptosis via PAK1/MEK/ERK pathway.