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*CORRESPONDENCE Lu Fang fanglu@medmail.com.cn Fan Zhou nczhoufan@hotmail.com Bo Liang lb2087@163.com

[†]These authors have contributed equally to this work

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(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. Corrigendum: Decreased expression of programmed death ligand-L1 by seven in absentia homolog 2 in cholangiocarcinoma enhances T-cell-mediated antitumor activity

Hao Zheng^{1,2,3,4,5†}, Wen-juan Zheng^{1†}, Zhen-guang Wang^{3,4,5†}, Yuan-ping Tao^{6†}, Zhi-ping Huang^{7†}, Le Yang⁶, Liu Ouyang⁸, Zhi-qing Duan¹, Yi-nuo Zhang¹, Bo-ning Chen¹, Dai-min Xiang⁹, Gang Jin⁸, Lu Fang^{1*}, Fan Zhou^{1*} and Bo Liang^{1*}

¹Department of General Surgery, The Second Affiliated Hospital of Nanchang University, Nanchang, China, ²Department of Reproductive Heredity Center, Changhai Hospital, Second Military Medical University, Shanghai, China, ³Third Department of Hepatic Surgery, Eastern Hepatobiliary Surgery Hospital, Second Military Medical University, Shanghai, China, ⁴Key Laboratory of Signaling Regulation and Targeting Therapy of Liver Cancer (SMMU), Ministry of Education, Shanghai, China, ⁵Shanghai Key Laboratory of Hepatobiliary Tumor Biology (EHBH), Shanghai, China, ⁶National Liver Tissue Bank, Eastern Hepatobiliary Surgery Hospital, Second Military Medical University, Shanghai, China, ⁷Department of Hepatobiliary Surgery, General Hospital of Southern Theatre Command, Guangzhou, China, ⁸Department of Hepatobiliary Pancreatic Surgery, Changhai Hospital of Second Military Medical University, Shanghai, China, ⁹State Key Laboratory of Oncogenes and Related Genes, Shanghai Cancer Institute, Renji Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, China

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N6-methyladenosine, METTL14, Siah2, PD-L1, immunotherapy

A Corrigendum on

Decreased expression of programmed death ligand-L1 by seven in absentia homolog 2 in cholangiocarcinoma enhances T-cell-mediated antitumor activity

by Zheng H, Zheng W-j, Wang Z-g, Tao Y-p, Huang Z-p, Yang L, Ouyang L, Duan Z-q, Zhang Y-n, Chen B-n, Xiang D-m, Jin G, Fang L, Zhou F and Liang B (2022) *Front. Immunol.* 13:845193. doi: 10.3389/fimmu.2022.845193

In the published article, there was an error in Figures 4, 5 and 7 as published. The protein bands of SIAH2 in RBE-input groups in Figure 4D (leftmost panel) and the protein bands of SIAH2 in HUCCT1-IP-Flag groups in Figure 4D (right most panel) were duplicated from



different exposure time. We have corrected the accurate protein bands of SIAH2 in HUCCT1-IP-Flag groups in Figure 4D (right most panel) by the raw data. The corrected Figure 4 appears below.

We uploaded the wrong version of incorrect representative flow cytometry graphs and quantitative data (Figures 5A, C–E and Figure 7A) owing to the raw data of flow cytometry analyzed disordered, and misplaced data was also due to our Flow experiment platform was changed. The corrected Figures 5 and 7 were shown below.

In the published article, there was an error in the Funding statement. In the original text, this work was supported by the following institutes: (1) National Key Research and Development Program of China (2018YFC1004900, 2018YFC1005002); (2) National Natural Science Foundation of China (81672350, 81872225, 81871988, No.82160578, No.81760438). In fact, the funding of National Key Research and Development Program of China (2018YFC1004900, 2018YFC1005002) and Natural Science Foundation of China (81672350, 81872225, 81871988) should be deleted.

The correct Funding statement appears below.

This work was supported by National Natural Science Foundation of China (No.82160578, No.81760438).

In the published article, there was an error in the original article: Materials and Methods, CD34+ Humanized Mouse Models and Ethics statement.

A correction has been made to Materials and Methods, CD34+ Humanized Mouse Models, the description in this section corrected appears below:

hPBMC+ Humanized mouse models

"hPBMC+ humanized NCG mice were purchased from the Model Animal Research Center of Nanjing University and were constructed as previously reported (25). Immune cell percentages were detected by flow cytometry 3 wk after hPBMC+ cell injection, hPBMC+ humanized NCG mice were randomly assigned into experiment groups. Indicated CCA cells with LV-NC/LV-SIAH2 of 5×10^6 were injected



FIGURE 5

Siah2 enhanced in vitro antitumor T-cell activity. (A), Gating strategy and T cell percentage of activated PBMC. (B), CCK8 assay detected the killing of tumor cells by activated HPBMC. CCA cells were co-cultured in the presence or absence of HPBMC for 24 h. Data were normalized to their respective no HPBMC controls. (C, D), Activated HPBMC (#1, #2) were co-cultured with LV-NC/LV-Siah2 (C) or sh-NC/sh-Siah2 (D) for three days at the ratio of HPBMC to tumor cell number of 4 to 1. The percentage of CD3 in HPBMC was determined by FCM. Representative plots of CD3 + T cells are shown. Data were normalized to the control group. (E), Activated HPBMC (#1, #2) were co-cultured with CCA with LV-NC/LV-Siah2 cells for 24 h at the ratio of HPBMC to tumor cell number of 4 to 1. HPBMC were collected and stained with PE-Annexin V and subjected to FCM analysis. The percentage of apoptotic cells was analyzed. (F, G), Quantitative RT-PCR was performed to detect PRF1 (perforin-1), GZMB (granzyme), GNLY (granulysin), and IFNG (IFN-g) in activated HPBMC to tumor cell number was 4 to 1. Mean \pm SEM of three independent experiments. *P < 0.05.



Siah2 enhanced antitumor T-cell immunity in a PD-L1–dependent manner. (A), FCM detected the cell membranous PD-L1 level of PCCA#1 and #2. (B, C), CCK8 assay detects the killing of PCAA#1 LV-NC/LV-Siah2 by activated HPBMC in PCCA#1 and PCCA#2 cells. The ratio of PBMC to tumor cell numberwas 4 to 1, n = 3. (D), CCK8 assay detected the killing of tumor cells by activated HPBMC after Pembrolizumab or 10 μ g/mL IgG treatment. PCAA#2-LV-NC/LVMETTL14 were co-cultured in the presence or absence of HPBMC for 24 h at the ratio of HPBMC to tumor cell number of 4 to 1, n = 3. Mean \pm SEM of three independent experiments. *P < 0.05; #P > 0.05.

into the right flank of hPBMC+ humanized NCG mice. Tumor volume was calculated by the following formula: volume = $ab^2/2$ (a, the longer axis; b, the shorter axis). After 35 d of cell inoculation, hPBMC+ humanized NCG mice were euthanized and tumor-infiltrating leukocytes were isolated and subjected to CyTOF analysis. The animal study was conducted in conformity with NIH and the Second Affiliated Hospital of Nanchang University, Servicebio Animal Welfare guidelines and approved by Wuhan Servicebio Technology Co., Ltd., China".

A correction has been made to Ethics Statement, Paragraph 4 and 5. This sentence previously stated: "All animal experiments were conducted in conformity with NIH guidelines and approved by the Ethics Committees of Naval Military Medical University." The corrected sentence appears below: "All animal experiments were conducted in conformity with conformity with NIH and the Second Affiliated Hospital of Nanchang University, Servicebio Animal Welfare guidelines and approved by Wuhan Servicebio Technology Co., Ltd., China".

In the published article, there was an error in Supplementary Table 1 and Table 3. In the original version accidently uploaded the error table Supplement Table 1, and SIAH2 primer sequences in Supplement Table 3 were written erroneously. The correct material statement appears below.

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