AUTHOR CORRECTION

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Correction: TSPAN18 facilitates bone metastasis of prostate cancer by protecting STIM1 from TRIM32-mediated ubiquitination

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Following the publication of the original article [1], the authors identified errors in Fig. 6 and Figure S13, specifically:

The original article can be found online at https://doi.org/10.1186/s1 3046-023-02764-4.

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TSPAN18 overexpression was misplaced.
Figure 6e - The labels of X-axis were mislabeled.
Figure S13 - The mice pictures of group "Ctrl

shRNA" and "Vector" were misplaced and should be switched.

Figure 6c - The TSPAN18 protein band of

These errors were caused by unintentionally covering the correct image during figure preparation. The corrected figures are provided below.

[†]Qianghua Zhou, Xu Chen, Kai Yao and Yangjie Zhang contributed equally in this paper.



Fig. 6 TSPAN18 promotes bone metastasis of PCa cells in vivo. **a-b** Representative images of bioluminescence (**a**) and X-ray (**b**) of bone metastasis through caudal artery injection. The red arrows show bone metastases. **c** Western blot analysis of TSPAN18 expression in stably TSPAN18-knockdown or TSPAN18-overexpressing cells and control cells. **d** TSPAN18-knockdown, TSPAN18-overexpressing and corresponding control PC-3 cells stably expressing luciferase were injected into nude mice through caudal artery, then the bone metastasis was weekly measured using an in vivo IVIS system. Representative bioluminescence images at indicated weeks from each group were shown. **e** Kaplan-Meier curves for metastasis-free survival of mice bearing PC-3 cells as indicated. **f** The counts of metastasis in indicated groups (n=6/group). **g** Representative immunohistochemical images of micro-CT, H&E and luciferase, and immunofuorescent staining of E-cadherin (green) and N-cadherin (red) in each group as indicated. The nucleus is labeled with DAPI (blue). Scale bars: red, 50 µm. **h** The tumor volume to the bone volume ratio was calculated for each mouse and presented in the plot at right. *p < 0.05, **p < 0.01 student's t test

Incorrect Fig. 6



Fig. 6 TSPAN18 promotes bone metastasis of PCa cells in vivo. **a-b** Representative images of bioluminescence (**a**) and X-ray (**b**) of bone metastasis through caudal artery injection. The red arrows show bone metastases. **c** Western blot analysis of TSPAN18 expression in stably TSPAN18-knockdown or TSPAN18-overexpressing cells and control cells. **d** TSPAN18-knockdown, TSPAN18-overexpressing and corresponding control PC-3 cells stably expressing luciferase were injected into nude mice through caudal artery, then the bone metastasis was weekly measured using an in vivo IVIS system. Representative bioluminescence images at indicated weeks from each group were shown. **e** Kaplan-Meier curves for metastasis-free survival of mice bearing PC-3 cells as indicated. **f** The counts of metastasis in indicated groups (n=6/group). **g** Representative immunohistochemical images of micro-CT, H&E and luciferase, and immunofuorescent staining of E-cadherin (green) and N-cadherin (red) in each group as indicated. The nucleus is labeled with DAPI (blue). Scale bars: red, 50 µm. **h** The tumor volume to the bone volume ratio was calculated for each mouse and presented in the plot at right. *p < 0.05, **p < 0.01 student's t test

Correct Fig. 6

Incorrect Figure S13



Supplemental Fig. 13 The representative bioluminescence images of the mice after 6 weeks of inoculations with indicated PC-3 cells

Correct Figure S13



Supplemental Fig. 13 The representative bioluminescence images of the mice after 6 weeks of inoculations with indicated PC-3 cells

The corrections do not compromise the validity of the conclusions and the overall content of the article. The original article [1] has been updated.

Supplementary Information

The online version contains supplementary material available at https://doi.or g/10.1186/s13046-025-03373-z.

Supplementary Material 1

References

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