CORRECTION

Correction: Macrophage-expressed IFN- β Contributes to Apoptotic Alveolar Epithelial Cell Injury in Severe Influenza Virus Pneumonia

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The authors would like to correct [Fig 8D](#), as errors were introduced in the preparation of the figure for publication. In the right panel of [Fig 8D](#), the ifnar-/- plot is incorrect, a pkr-/- plot was used in place of the correct ifnar-/- plot. The corrected [Fig 8](#), shown here, includes the correct ifnar-/- plot.

The authors confirm that these changes do not alter their findings.

OPEN ACCESS

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Fig 8. Blockade of autocrine myeloid IFN- β signalling impairs macrophage TRAIL expression and attenuates epithelial injury upon A/PR8 infection in vivo. (A) Treatment protocol: CD45.1⁺ wt mice were lethally irradiated (6 Gy) and transplanted 1×10^6 CD45.2⁺ wt, *pkr*^{-/-}, *ifnar*^{-/-} or *trail*^{-/-} BM cells to generate chimeric mice. 12w later, when >90% of AM were of donor (wt, *pkr*^{-/-}, *ifnar*^{-/-} or *trail*^{-/-}) phenotype, chimeric mice were mock- or A/PR8-infected and subjected to analyses at 2 d or 7 d pi. (B, C) depict IV-induced sTRAIL concentrations in BALF (B) and proportions of mTRAIL-expressing AM and ExMac (exudate macrophages) in BALF of chimeric mice at d2 pi (C). (D, E) AEC apoptosis was quantified in mock- or A/PR8-infected chimeric mice at d7 pi by FACS (D, depicted as Annexin V⁺ proportion of CD31⁺CD45⁺EpCam⁺ lung cells, left panel; representative FACS plots, right panel) or by Western blot using lysates of AEC isolated from mock- or A/PR8-infected chimeric mice and a cleaved caspase-3-specific Ab (E, top panel, Western blot of 3 independent experiments; bottom panel, quantification of Western blot data by densitometry). (F) Alveolar albumin leakage was analysed in mock- or A/PR8-infected wt and *trail*^{-/-} chimeric mice at d7 pi by intravenous injection of FITC-labelled albumin and is depicted as ratio of serum and BALF FITC-fluorescence in arbitrary units (AU). (G) Body weight of wt and *trail*^{-/-} chimeric mice was determined post A/PR8 infection (350 pfu/ ~30% LD50). Bar graphs show means $\pm$ SD of (B, C, D, E, F) 5 animals/group and (G) 8 animals/group. * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$; n.d.; not determined; BMT, bone marrow transplantation; dpi, days post infection; pi, post infection; sTRAIL, soluble TRAIL; mTRAIL, membrane bound TRAIL; Ab, antibody.

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Reference

1. Högner K, Wolff T, Pleschka S, Plog S, Gruber AD, Kalinke U, et al. (2013) Macrophage-expressed IFN- β Contributes to Apoptotic Alveolar Epithelial Cell Injury in Severe Influenza Virus Pneumonia. PLoS Pathog 9(2): e1003188. doi:[10.1371/journal.ppat.1003188](https://doi.org/10.1371/journal.ppat.1003188) PMID: [23468627](https://pubmed.ncbi.nlm.nih.gov/23468627/)