

## EXPRESSION OF CONCERN

# Expression of Concern: SH2 Modified STAT1 Induces HLA-I Expression and Improves IFN- $\gamma$ Signaling in IFN- $\alpha$ Resistant HCV Replicon Cells

The *PLOS ONE* Editors

After this article [1] was published, concerns were raised about western blots in Figs 2, 5 and 7, and microscopy images in Figs 1C, 6 and 8.

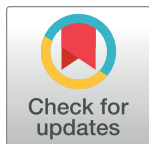
Specifically:

- In Fig 1C in this article, the GR17-1 IFN- $\gamma$  (-) panel appears similar to the 15-3 Cells IFN- $\alpha$  (+) panel in Fig 7a in [2], and the GR17-1 IFN- $\gamma$  (+) panel appears similar to the IRF9 panel in Fig 7A in [2].
- In Fig 2 in this article, the backgrounds of lanes one and two in the p-Jak2 blot appear similar to each other.
- In Fig 5 in this article, lanes three, four, six, and seven in the GR17-1 blot appear similar to each other.
- In Fig 6A in this article, the differential interference contrast image for IFN- $\gamma$  (-) appears similar to the S9-13 IFN- $\gamma$  (-) STAT1-CC-GFP panel in Fig 6B with 90° rotation. The differential interference contrast image in Fig 6A for IFN- $\gamma$  (+) appears similar to the S9-13 IFN- $\gamma$  (+) STAT1-GFP panel in Fig 6B with 90° rotation.
- In Fig 6B in this article, the GR17-1 IFN- $\gamma$  (+) STAT1-GFP panel appears similar to the GR17-1 IFN- $\gamma$  (-) STAT1-CC-GFP panel.
- In Fig 7 in this article, the GADPH blot appears similar to the HCV blot with an additional band in the final lane for the GADPH blot.
- In Fig 8 in this article, the S-Huh7 panel appears similar to the Huh-7 Cells IFN- $\alpha$  (-) panel in Fig 7A in [2] and to the Huh-7 Cells IFN- $\alpha$  (+) panel in Fig 7A in [2].

Follow-up on these issues is ongoing; in the meantime, the *PLOS ONE* Editors issue this Expression of Concern.

## References

1. Poat B, Hazari S, Chandra PK, Gunduz F, Balart LA, Alvarez X, et al. (2010) SH2 Modified STAT1 Induces HLA-I Expression and Improves IFN- $\gamma$  Signaling in IFN- $\alpha$  Resistant HCV Replicon Cells. *PLoS ONE* 5(9): e13117. <https://doi.org/10.1371/journal.pone.0013117> PMID: 20949125
2. Poat B., Hazari S., Chandra P.K. et al. Intracellular expression of IRF9 Stat fusion protein overcomes the defective Jak-Stat signaling and inhibits HCV RNA replication. *Virology* 7, 265 (2010). <https://doi.org/10.1186/1743-422X-7-265> PMID: 20939906



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