PLOS PATHOGENS

CORRECTION

Correction: *Salmonella* escapes adaptive immune response via SIRT2 mediated modulation of innate immune response in dendritic cells

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There are errors in Fig 3. The β actin loading control blot in Fig 3C was in the wrong orientation in the submission. Please see the correct Fig 3 here.

Citation: Gogoi M, Chandra K, Sarikhani M, Ramani R, Sundaresan NR, Chakravortty D (2020) Correction: *Salmonella* escapes adaptive immune response via SIRT2 mediated modulation of innate immune response in dendritic cells. PLoS Pathog 16(2): e1008345. https://doi.org/10.1371/journal.ppat.1008345

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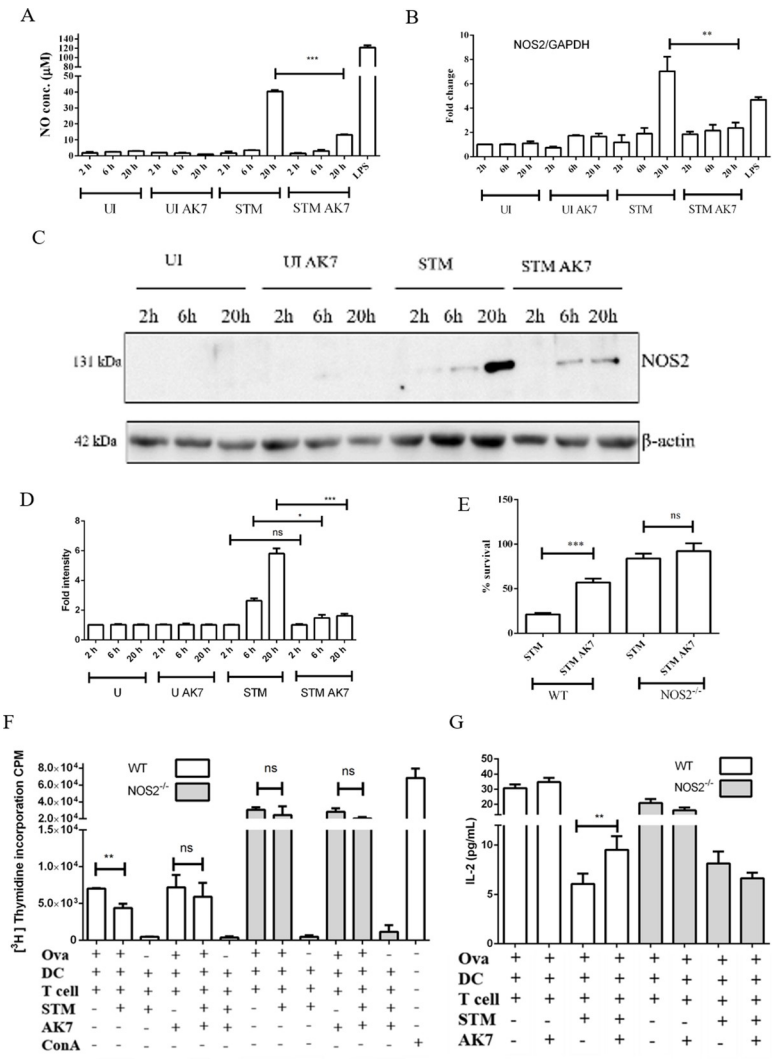

Fig 3. Effect of SIRT2 inhibition is nitric oxide mediated. A. Nitric oxide levels in conditioned media in response to SIRT2 inhibition at indicated time post infection. (UI- uninfected DCs, UI AK7- Uninfected DCs treated with 10 μM AK7, STM- *Salmonella* Typhimurium infected DCs, STM AK7- - *Salmonella* Typhimurium infected DCs treated with 10 μM AK7) (Data are presented as mean ± SEM of 5 independent experiments). B. qPCR analysis of NOS2 expression in DCs at indicated time post infection in response to SIRT2 inhibition. GAPDH was used as an internal control. (UI- uninfected DCs, UI AK7- Uninfected DCs treated with 10 μM AK7, STM- *Salmonella* Typhimurium infected DCs, STM AK7- *Salmonella* Typhimurium infected DCs treated with 10 μM AK7, LPS- 100 ng/ml LPS treated). (Data are presented as mean ± SEM of 3 independent experiments). C. Representative immunoblot of NOS2 in the presence and absence of SIRT2 inhibition at indicated time. (UI- uninfected DCs, UI AK7- Uninfected DCs treated with 10 μM AK7, STM- *Salmonella* Typhimurium infected DCs, STM AK7- *Salmonella* Typhimurium infected DCs treated with 10 μM AK7) D. Densitometry analysis of NOS2 level in the presence and absence of SIRT2 inhibition at indicated time. (UI- uninfected DCs, UI AK7- Uninfected DCs treated with 10 μM AK7, STM- *Salmonella* Typhimurium infected DCs, STM AK7- *Salmonella* Typhimurium infected DCs treated with 10 μM AK7) (Data are presented as mean ± SEM of 3 independent experiments). E. Percentage survival of intracellular *Salmonella* in DCs in gentamicin protection assay in the presence and absence of SIRT2 inhibitor in wild type and $NOS2^{-/-}$ DCs. (Mock- DMSO treated, AK7- 10 μM AK7 treated). (Data are presented as mean ± SEM of 4 independent experiments) F. ^{3}[H] Thymidine incorporation assay to assess $CD8^{+}$ T cells proliferation during *Salmonella* infection in wild type and $NOS2^{-/-}$ DCs in the presence and absence of SIRT2 inhibition. (Ova- Ovalbumin, DC- Dendritic cells, T cell- mixed lymphocyte, STM- *Salmonella* Typhimurium, ConA- Concanavalin A) (Data are presented as mean ± SEM of 3 independent experiments) G. IL-2 levels during $CD8^{+}$T cells proliferation assay in response to *Salmonella* infection in wild type and $NOS2^{-/-}$ DCs. (Ova- Ovalbumin, DC- Dendritic cells, T cell- mixed lymphocyte, STM- *Salmonella* Typhimurium) (Data are presented as mean ± SEM of 2 independent experiments) (unpaired two tailed Student's t- test, p- value, $^{***} < 0.0001$, $^{**} < 0.001$, $^{*} < 0.01$).

https://doi.org/10.1371/journal.ppat.1008345.g001

Reference

1. Gogoi M, Chandra K, Sarikhani M, Ramani R, Sundaresan NR, Chakravortty D (2018) *Salmonella* escapes adaptive immune response via SIRT2 mediated modulation of innate immune response in dendritic cells. PLoS Pathog 14(11): e1007437. https://doi.org/10.1371/journal.ppat.1007437 PMID: 30452468