



# Corrigendum: Ebola VP40 in Exosomes Can Cause Immune Cell Dysfunction

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## A corrigendum on

### Ebola VP40 in Exosomes Can Cause Immune Cell Dysfunction

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In the original publication, Philipp A. Ilinykh and Alexander Bukreyev were not included as authors. The omission of these authors was a miscommunication among proteomics colleagues.

Secondly, there should be a change to Materials and Methods section. In the subsection “Identification of Potential Phosphorylation Sites in VP40 Protein,” in the first paragraph, the first sentence should read as follows: “Mass spectra for VP40 was obtained for this manuscript as previously described in our analysis of VP30 from EBOV virions (Ilinykh et al., 2014). Proteomics data for VP40 had not been previously published.”

For the third amendment, proteomics data on EBOV virions were mentioned as published whereas these data were not yet published. A correction should be made to Results section. In the sub-section “Ebola VP40 is Phosphorylated by Cyclin-Dependent Kinase 2,” in the first paragraph, the sentence should read as follows: “Using our mass spectrometry data of EBOV virions we found Ser-233, Thr-272, Thr-277, and Ser-278 to be potentially phosphorylated (Figures 4A,B). The whole phosphoproteomic analysis of EBOV is ongoing and will be published elsewhere (data not shown).”

The authors apologize and state that these corrections do not change the scientific conclusions of the article in any way.

The original article has been updated.

## AUTHOR CONTRIBUTIONS

MP and AM contributed equally to generation of data and writing of the manuscript. CD and AS contributed to some manuscript writing and experimental procedures, especially Figure 7. YA and RB contributed to ultracentrifugation and isolation of exosomes, as well as AchE assays.

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SI and GS contributed to plasmid design and purification, transfections and selection of clones. BL contributed nanoparticles. SN performed proteomic analyses of EBOV VP40 for Figure 4 in conjunction with PI and AB. MA

provided various reagents and FK contributed to the overall direction and coordination of the project, as well as experimental design, quantitative analyses, and data interpretation.

## REFERENCES

Ilinykh, P. A., Tigabu, B., Ivanov, A., Ammosova, T., Obukhov, Y., Garron, T., et al. (2014). Role of protein phosphatase 1 in dephosphorylation of Ebola virus VP30 protein and its targeting for the inhibition of viral transcription. *J. Biol. Chem.* 289, 22723–22738. doi: 10.1074/jbc.M114.575050

**Conflict of Interest Statement:** The authors declare that the research was conducted in the absence of any commercial or financial relationships that could be construed as a potential conflict of interest.

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