# ADDITIONS AND CORRECTIONS

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## Mesenchymal stromal cell-derived extracellular vesicles promote myeloid-biased multipotent hematopoietic progenitor expansion via Toll-like receptor engagement.

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**PAGE 24612:**

There were several errors in the original figure legend to Fig. 4. The figure legend should be replaced with the following.

FIGURE 4. **MSC-derived EVs activate NF-κB and Notch signaling to promote HSPC differentiation.** *A*, diagrammatic representation of the lentiviral vector design used to generate the NF-κB enhancer-luciferase reporter cell line. Stably transduced and sorted SIM-A9 microglial cells were used for EV exposure followed by luciferase assay. The SIM-A9-NF-κB-Luc cells were exposed with MSC EVs and incubated for 48 h followed by luciferase assay. Non-treated SIM-A9-NF-κB-Luc and LPS-treated SIM-A9-NF-κB-Luc cells were used as negative and positive controls, respectively. Luciferase activity was measured as relative fluorescence units (*RFU*). Data represent $n = 4$ independent experiments; *error bars* depict S.D. All *p* values have been calculated using two-tailed Student's *t* test. *B*, quantitative mRNA expression of NF-κB and Notch-1 signaling and downstream targets involved in cell proliferation in MSC EV-exposed HSPCs. Data represent $n = 3$ independent experiments; *error bars* are S.D. *C*, we next tested a candidate panel of canonical TLR4 responsive cytokines for both transcriptional activation and secretion, either after EV or S100 exposure. Transcriptional analysis of EV-exposed HSPCs reveals an up-regulation of several known TLR4-responsive cytokine genes (*IL6*, *TNFa*, *Stat1*, and *EGFR*) in WT but not $MyD88^{-/-}$ HSPCs. Data represent $n = 3$ independent experiments; *error bars* are S.D. *D*, TLR4 signaling was specifically inhibited in WT MSC-EV-exposed HSPCs using TAK-242. Transcriptional analysis of EV-exposed HSPCs with and without TLR4 inhibitor showed down-regulation of the same TLR-responsive genes described above. Data represent $n = 2$ independent experiments; *error bars* represent S.D. *E*, cytokines released by HSPCs after 48 h co-culture, with MSC EVs compared with S100, were measured using a Luminex assay, whereby *error bars* are S.D. and *p* values are an indication of the variance across three technical replicates in this screening panel.