Correction to: Rho-mediated activation of PI(4)P5K and lipid second messengers is necessary for promotion of angiogenesis by Semaphorin 4D

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Figure 3c of this article originally contained standard deviation values which had not been calculated correctly. A single standard deviation value was used for all 5 time points for each condition.

The authors have replaced this figure; a corrected version of Fig. 3c can be found here.

Subsequently, the authors have identified an error contained within the following sentence (located on page 313):

“At approximately 45 sec. calcium levels rose dramatically in Sema4D treated cells, but not in those growing in fasudil or U-73122.”

The correct sentence should read (corrected section marked in bold):

“At approximately **90 sec.** calcium levels rose dramatically in Sema4D treated cells, but not in those growing in fasudil or U-73122.”

The original article can be found online at <https://doi.org/10.1007/s10456-011-9214-4>.

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Fig. 3 PIP(4,5)₂ formation is necessary for Sema4D/ Plexin-B1/RhoA-mediated polymerization of stress fibers, activation of PLC and generation of intracellular calcium. **a** HUVEC expressing GFP-tagged synaptojanin (middle panel) were treated with Sema4D and analyzed using phalloidin staining for stress fiber formation (right panel). Cells expressing synaptojanin (white arrow), exhibited a loss of stress fiber polymerization compared to neighboring untransfected control cells (white arrowhead). DAPI was used as a nuclear stain (left panel). The results of stress fiber inhibition are shown graphically in the bottom panel (* $P < 0.05$). **b** An immunoblot of HUVEC treated with Sema4D with or without the ROK inhibitor fasudil for the phosphorylated form of PLC γ 1 (upper panel). Total PLC γ 1 was used as a loading control (lower panel). **c** A calcium assay was performed on HUVEC treated with Sema4D and fasudil or the PLC γ inhibitor U-73122, measured at the times indicated. Intracellular calcium levels rose dramatically in Sema4D treated cells, but not in those growing in fasudil or U-73122