

Correction: Specific contributions of the four voltage-sensing domains in L-type calcium channels to gating and modulation

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In the original version of this Commentary, the following text was included in the ninth paragraph:

“Although a left shift of $V_{1/2}$ upon coexpression of $\alpha_2\delta$ -1 has consistently been observed in past studies, the magnitude reported here is unprecedented. Even in earlier experiments from the Olcese laboratory, shifts of only -10 mV were reported (Platano et al., 2000). At this time, the reason for this unusually large voltage shift upon coexpression of $\alpha_2\delta$ -1 remains unknown.”

After publication, the author noticed that a -50 -mV shift of the voltage dependence of the tail currents in the presence of the $\alpha_2\delta$ -1 subunit, similar to that found in the paper of reference (Savalli et al., 2016), had been reported in the earlier study by Platano et al. (2000; Fig. 5 E). In contrast, the statement in our Commentary related to the shift of IV curves, which indeed is much smaller (-10 mV) than that determined from the tail currents (Platano et al., 2000; Fig. 1 C). Therefore, the sentences quoted above are in error and have been deleted from the HTML and PDF versions of the Commentary. As these sentences contained the only citation of Platano et al. (2000), this reference has also been removed. The error remains only in the print version.

REFERENCES

- Platano, D., N. Qin, F. Noceti, L. Birnbaumer, E. Stefani, and R. Olcese. 2000. Expression of the $\alpha_2\delta$ subunit interferes with prepulse facilitation in cardiac L-type calcium channels. *Biophys. J.* 78:2959–2972. [http://dx.doi.org/10.1016/S0006-3495\(00\)76835-4](http://dx.doi.org/10.1016/S0006-3495(00)76835-4)
- Savalli, N., A. Pantazis, D. Sigg, J.N. Weiss, A. Neely, and R. Olcese. 2016. The $\alpha_2\delta$ -1 subunit remodels $\text{Ca}_v1.2$ voltage sensors and allows Ca^{2+} influx at physiological membrane potentials. *J. Gen. Physiol.* 148:147–159. <http://dx.doi.org/10.1085/jgp.201611586>