

Supporting Information - Figure S1

Impact of sodium channel inactivation on spike threshold dynamics and synaptic integration

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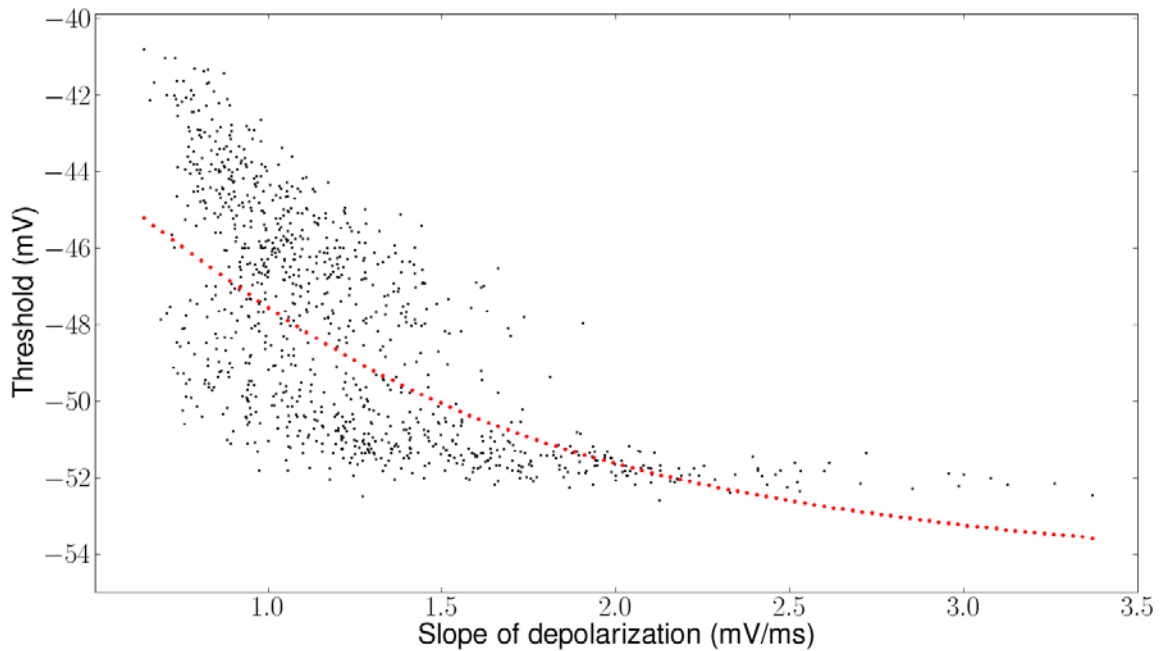


Figure S1. Slope-threshold relationship in the multicompartmental model of Hu et al. (2009), measured with linear regression over 5 ms (black dots), superimposed on the calculated relationship (red dashed line), using the Na channel properties of the model (as in Platkiewicz and Brette, 2010, Fig. 8H).

References

Platkiewicz J, Brette R (2010) A threshold equation for action potential initiation. *PLoS Comput Biol* 6(7): e1000850. doi:10.1371/journal.pcbi.1000850.

Hu W, Tian C, Li T, Yang M, Hou H, et al. (2009) Distinct contributions of Na(v)1.6 and Na(v)1.2 in action potential initiation and backpropagation. *Nat Neurosci* 12: 996–1002