

Review of: "Proton Mechanisms of Neurotransmission and Calcium Signalling for Impulse Initiation, Development, and Propagation"

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Potential competing interests: No potential competing interests to declare.

In this review, the author summarizes some recent advances about the proton-mediated signaling underlying the emerging view that small and localized pH variations in subcellular microdomains could be the trigger signal in various metabolic processes. This new perspective suggests that protons could work in concert with cellular metabolites, including neurotransmitters, and that cellular processes are more complex and still far from being fully understood. I suggest the author describe more deeply some aspects discussed in the review and introduce some simplifying schemes on the regulation and action of protons in the main processes.