

Review of: "Electron Tunneling in Ferritin and Its Potential Influence on Myelin and Cardiomyocytes"

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Potential competing interests: No potential competing interests to declare.

I appreciate the author's effort in writing the manuscript titled "Electron Tunneling in Ferritin and Its Potential Influence on Myelin and Cardiomyocytes," but unfortunately, this could be considered a mini-review or highlights piece as it does not follow the regular review structure and the content is too basic.

1. The abstract is not structured and very brief; also, the aim and significance/future perspective of this review is unclear.

3. What are the bases of the article sections, such as Introduction, myelin,.....??? Instead of this, it would be more helpful from a reader's perspective to have "Introduction, Ferritin, myelin, Cardiomyocytes, Summary/conclusion, and Outlook/Future Direction." Also, the author has mentioned a summary of each section rather than the whole article; the article should be summarized/concluded as a whole. I do not see any value addition of adding the summary after each section.

4. In the reference section, formatting is not the same throughout the article.

For example, "Quintana, C., et al. "Study of the localization of iron, ferritin, and hemosiderin in Alzheimer's disease hippocampus by analytical microscopy at the subcellular level." *Journal of Structural Biology*153.1 (2006): 42-54."

5. "This hypothesized electrical activity is shown in Figure 1 (modified from DeSilva, 2022)." How does Figure 1 come after figures 5-7? Where are the other figures?? Also, there is no figure caption.

6. The manuscript appears as a commentary on someone else's work, though the author cited the work properly and gave credit to the person, which is for sure appreciated. But it should not be the same wording; that is why figures 5 and 5-7 or 5 and 6 were mentioned here in the text (see below) while there is no such figure in the article.

For example, "The spatial and temporal evolution of the transaxonal potentials beneath myelin is strikingly complex, with gradually attenuating waves toward the middle of the internode (Figures 5 and 6)."

7. The article lacks the inclusion of essential/empirical scientific data in the form of more figures, charts, tables, or detailed discussions, which could have significantly increased its scholarly value.

8. The conclusion is still redundant, not conclusive, and lacks a clear significance/future perspective of the work.

