We thank the Editors and Reviewers for their efforts and for the additional instructive comments. We have implemented all points raised and marked in yellow. Please find attached a point-by-point response to the comments below.

**EDITORIAL COMMENTS:**

1. **Please take this opportunity to thoroughly proofread the manuscript to ensure that there are no spelling or grammar issues.**

The manuscript has been thoroughly proofread.

1. **For in-text referencing, please superscript the reference number and remove the brackets before and after the number.**

All references are now superscripted.

1. **JoVE cannot publish manuscripts containing commercial language, including company names before an instrument or reagent. Please remove all commercial language from your manuscript and use generic terms instead. All commercial products should be sufficiently referenced in the Table of Materials and Reagents. Examples of commercial language in your manuscript include Vectastain ABC, HistoClear, Vectashield HardSet, , etc.**

All commercial language has been removed in the manuscript.

1. **Please highlight complete sentences (not parts of sentences).**

Only complete sentences have been highlighted.

1. **Please do not highlight notes.**

Notes are not highlighted.

1. **Please define all abbreviations before use, e.g., DMSO, BSA, PBS-T**

All abbreviations have been defined before first usage.

1. **Protocol step 3.2, 4.2: Please split this step into three or more steps so that each step contain only 2-3 actions.**

These protocol steps have been split.

1. **2.2.2.: Please specify the electrodes. What type of electrode is used? What’s the surface area?**

The electrodes have been specified under 2.2.

Platinum electrodes with a surface area of 0.55 x 0.55 mm each were used.

1. **4.1: Please describe the programmed stimulation in detail.**

The programmed stimulation has been described in the next steps. This was clarified by adjusting the enumeration.

1. **4.2: Please ensure that all text is written in imperative tense.**

All text is now written in imperative tense.

1. **6.6, 6.7: For steps that are done using software, a step-wise description of software usage must be included in the step. Please mention what button is clicked on in the software, or which menu items need to be selected to perform the step.**

A step-wise description of the software usage has been added.