***eLife’s* transparent reporting form**

We encourage authors to provide detailed information *within their submission* to facilitate the interpretation and replication of experiments. Authors can upload supporting documentation to indicate the use of appropriate reporting guidelines for health-related research (see [EQUATOR Network](http://www.equator-network.org/%20)), life science research (see the [BioSharing Information Resource](https://biosharing.org/" \t "_blank)), or the [ARRIVE guidelines](http://www.plosbiology.org/article/info:doi/10.1371/journal.pbio.1000412) for reporting work involving animal research. Where applicable, authors should refer to any relevant reporting standards documents in this form.

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**Sample-size estimation**

* You should state whether an appropriate sample size was computed when the study was being designed
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* If no explicit power analysis was used, you should describe how you decided what sample (replicate) size (number) to use

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Sample-size estimation is described in the Methods section, under the last paragraph “statistical analysis”.

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* You should report how often each experiment was performed
* You should include a definition of biological versus technical replication
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* Criteria for exclusion/inclusion of data should be clearly stated
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Number of replicates are stated throughout the results section and the figure legends. Exclusion criteria are outlined in the Methods section, under the paragraph “FSCV measurements and analysis”.

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* Statistical analysis methods should be described and justified
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* For each experiment, you should identify the statistical tests used, exact values of N, definitions of center, methods of multiple test correction, and dispersion and precision measures (e.g., mean, median, SD, SEM, confidence intervals; and, for the major substantive results, a measure of effect size (e.g., Pearson's r, Cohen's d)
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The statistical analysis methods and results of the main findings can be found in the Figure legends and in the Results section. All analyses and details of the tests can be found in the ‘statistics’ sheet at https://osf.io/8p37x/.

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* Indicate how samples were allocated into experimental groups (in the case of clinical studies, please specify allocation to treatment method); if randomization was used, please also state if restricted randomization was applied
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This information does not apply to our submission because within-animal comparisons were performed.

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* We encourage you to upload relevant additional data files, such as numerical data that are represented as a graph in a figure, or as a summary table
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