

May 04, 2017

Cyrus Martin
Senior Scientific Editor
Current Biology

Ref.: Ms. No. CURRENT-BIOLOGY-D-16-01629

Dear Dr. Martin:

Thank you for considering our submission, "Electron microscopic reconstruction of functionally identified cells in a neural integrator." We have revised the manuscript to include changes suggested by referee #3, following the plan of revision that we proposed previously:

- We have added a figure panel that shows correspondence between integrator cells' time constants and synaptic variables.
- We have clarified the methods concerning the 'second round' of reconstructions and challenges posed by section thickness.
- We have added a figure that shows one hundred representative synapses, and how they are not obviously classifiable by mammalian conventions.

We have also provided a detailed, line-by-line response to the referees' comments and have uploaded this document to the journal's website. These changes have been highlighted with the corresponding line numbers in the detailed responses.

We hope that the revised manuscript is ready for publication.

Sincerely,



Anthony B. Evnin '62 Professor
Neuroscience Institute and Computer Science Department