



CENTRE FOR DISCOVERY BRAIN SCIENCES
The University of Edinburgh
Hugh Robson Building
George Square
Edinburgh, EH8 9XD
Telephone: 01316503741
Email: sbooker@exseed.ed.ac.uk

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Dear Nam Nguyen, Kyle Jewhurst, and Felix Leroy,

Thank you for reviewing my protocol manuscript for the planned methods collection of "Preparation of Acute Hippocampal Slices" in the Journal of Video Experimentology (JoVE). I submit to you my revised manuscript titled: "*Preparing acute brain slices from the dorsal pole of the hippocampus from adult rodents*" for further consideration for publication.

In the revised protocol text, I have addressed all the reviewer's and editorial comments as requested. These changes and corrections are outlined in the Response to Editor and Reviewer file, submitted with the manuscript.

In addressing the comments, I have substantially revised the text of the original manuscript as well as including a new figure 1, which encompasses elements of the protocol and experimental set-up, as requested by the reviewers. Given the current phase of lock-down in the United Kingdom, in response to the ongoing Covid-19 pandemic, it was not possible to add new data comparing the efficacy of this method to other similar methods as requested by Reviewer 4 (Major point 1). However, I have used an alternative approach to validate this method to that of previous reports.

Regarding the editorial changes requested, all figures and tables have now been separated from the manuscript text file. Changes to the manuscript text have been highlighted in yellow, and protocol steps that are required for filming are indicated in green. If this is not suitable, please let me know and I can provide a version of the manuscript with an alternative highlighting approach.

I hope that you find the manuscript suitable for publication at JoVE and please do not hesitate to contact me if you require any further information.

Yours sincerely,

Sam A. Booker