

September 20, 2021

Prof. Xiaoyun Ding, Assistant Professor, University of Colorado Boulder.
Prof. Soojung Claire Hur, Assistant Professor, Johns Hopkins University.
Guest editors: *Journal of Visualized Experiments*

Dear Drs. Ding and Hur,

Please find attached a revision of the submitted manuscript JoVE63103 entitled “The Fabrication and Operation of a Micro-Electroporation System Capable of Both Membrane Permeabilization Detection and High Throughput Performance”. This manuscript is being submitted for consideration for publication as a research article in the methods collection “Current methods for intracellular drug delivery and cell transfection” in the *Journal of Visualized Experiments (JoVE)*:

As before, the focus of the manuscript is to describe the design, fabrication, and operation of a flow-through microfluidic electroporation platform capable of electrically-monitoring the degree of cell membrane permeabilization and determining optimal electroporation pulse settings for higher throughput transfection operation.

We would like to express our gratitude to the reviewers’ constructive feedback and their recommendations for suggested revisions. The reviewers’ careful review and thoughtful insights helped us provide more clarification to our fabrication details, clarify our protocol, expand our discussion of results, add additional references, and refine the manuscript in preparation for publication. The manuscript has also been lightly edited for readability and flow. In response to the reviewers’ comments the manuscript been revised to address each of the reviewers’ questions and concerns in detail. We feel that the revisions serve to make the manuscript stronger and of greater interest to JOVE’s readership. The attached pages provide the specific responses to the reviewers’ comments. In addition, a PDF version of this manuscript with showing the changes made is also attached.

We appreciate your further consideration of this original manuscript for publication in *Journal of Visualized Experiments*. This work is not being considered by any other journals.

If you have any questions feel free to contact me.

Sincerely,



Jeffrey D. Zahn, PhD