



Joint Department of Biomedical Engineering
The University of North Carolina at Chapel Hill and
North Carolina State University at Raleigh



152 MacNider Hall, Chapel Hill, NC 27599-7575
(919) 966-1175; (919) 966-2963 fax
<http://www.bme.unc.edu>

4130 EB3, 911 Oval Drive, Raleigh, NC 27695-7115
(919) 515-5252; (919) 513-3814 fax
<http://www.bme.ncsu.edu>

July 20, 2018

Alisha Dsouza, Ph.D.
Senior Review Editor, JoVE

Dear Alisha,

We are pleased to re-submit our manuscript entitled "Use of pre-assembled plastic microfluidic chips for compartmentalizing primary murine neurons" to JoVE. We are encouraged by the reviewer's comments and are happy to note that they did not have any major concerns. I believe that our current revision addresses all their minor concerns.

As requested we have included a detailed response to all the points raised by the editor and reviewers. We also tracked our changes to the manuscript file. As suggested by one reviewer, we have now added a table comparing the plastic multi-compartment chip with traditional PDMS-based devices. We also added an additional figure showing side-by-side neuronal growth within these two types of multi-compartment devices. Overall, I believe the additions strengthen the manuscript substantially.

I appreciate your time and effort working on this manuscript and I look forward to publishing with JoVE.

Sincerely,

Anne Marion Taylor, Ph.D.
Assistant Professor
UNC/NCSU Joint Department of Biomedical Engineering
UNC Neuroscience Center