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July 7, 2018

Dear Dr. Nandita Singh:

Enclosed please find our revised manuscript entitled “Fabrication of anisotropic polymeric artificial antigen presenting cells for CD8+ T cell activation” submitted for consideration as an article in *JoVE*. We thank the editors for their helpful comments to improve the manuscript. This submission addresses the final editorial comments which are each described point by point below:

**1. 4.3.2: Please specify how to sacrifice the mouse, and include a reference (at least) for spleen harvesting.**

Reference has been added.

**2. Figure 4: There is still no Figure 4C; it looks like panel C is labeled as panel B, and panel B is unlabeled.**

Figure 4 has been updated. 4(C) shows the results after T cells were evaluated after 7 days by manual counting.

**3. Figure 5: Please explain what ‘1.5 fold’, ‘2 fold’, etc. mean (x-axis for panel C)**

The Figure 5 caption has been revised. 5(C) shows results from T cells incubated with prolate ellipsoidal particles of varying fold stretch (ranging from 1.5 to 3.5).

**4. Figures 4/5: Please explain what the error bars and stars signify.**

The captions have been updated: \* =  $p < 0.05$ , \*\* =  $p < 0.01$ , and \*\*\* =  $p < 0.001$  from statistical comparisons. Error bars represent standard error of the mean (SEM) for 3 replicates.

We believe this work will make an important contribution to *JoVE* and that it is of broad interest to its readership. Please let me know if there is any other information that we can provide.

Thank you,

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