**Decision**

Accept

Optional: Comments of the reviewers that need to be addressed are pasted below.

**Reviewer 1:**

***Recommendation: Accept***

The advanced 4D techniques for biologics have been discussed in this study which is very interesting and novel subject. To make it more attractive the following comments should be addressed.

* The title of the study should be more attractive towards a wide community of readers.
* The statement at the end of 2nd Paragraph of introduction section should be cited with suitable reference based on review article or multiple references should be included.
* “One additional strong application where 4D printed materials can improve medicine include stem cell delivery" this statement at the beginning of 3rd Paragraph of introduction is confusing, so it should be replaced with clear statement or claim. Likewise, what is meant by faulty delivery method as mentioned in the 3rd Paragraph of Introduction.
* In materials and method section, the author should clearly mention about the bioprinter and bioprinting technique employed for the development of 4D printed material. In addition, what type of 4D material was developed and what were the ingredients. All the information regarding bioprinting should be clearly mentioned in the manuscript.
* In materials and methods section, the author should divide the portion based on different methods employed for different types of analysis if it is not against the guidelines for Authors.
* “In vivo” should be italicized at all places.

**Reviewer 2:**

***Recommendation: Accept with minor changes:***

This is a very interesting article that describes use of 4D printed scaffolds to grow neuron like cells. The study addresses an important health challenge and will be interesting to the researcher in the field health, medicine, and life sciences. The article has sufficient quality to be published in the journal. However, I have minor comments that need to be addressed before final publication of the article.

1. What p value was considered to describe a difference as statistically significant or not?
2. The title of the study should be more specific to attract a wide community of readers.
3. Results section should be divided into sub-heading to facilitate authors through the article.
4. If feasible, the authors should add the actual photographs of 4D printed materials before and after inducing phase change.
5. After shape change, how long the cells were allowed to growth before quantifying them by cell viability assay?