

21 June 2022

Respected Sir/Madam

**Reference#: 77512**

**Title: Human-Induced Pluripotent Stem Cell-Atrial Specific Cardiomyocytes (hiPSC-aCMs) and Atrial Fibrillation**

I am hereby giving points response to your comments;

### Reviewer #1

**Comment #1:** Would recommend to highlight the salient points from the mentioned studies in a table format.

**Author answer:** I already added a table as your suggestion.

### Reviewer #2

**Comment #1:** Some readers (including me) may not familiar with IKACH, IK1, IKs, IKr, and INa. A figure explaining these action potentials may be helpful to understand them like Figure 1 in reference [60] and Figure 1B in reference [61].

**Author answer:** I already added Figure 4 regarding your suggestion.

**Comment #2:** Please use abbreviations properly. For example, I think that APD, APs and iCell etc. were not defined. "sarcolipin" in page 13 was already defined as "SLN" in page 8. List of abbreviations might be helpful.

**Author answer:** I already added the abbreviations at the end of manuscript.

**Comment #3:** I feel that it would be better that the study by Benzoni et al [63] is included in the paragraph of "Personalized regenerative medicine for AF". On the other hand, is the study by Xie et al [72] using rat aCMs related with "Personalized regenerative medicine for AF"? The study by Gharanei et al [5] could also be included in the paragraph of "Isolation of hiPSC-aCMs".

**Author answer:** I already 1 paragraph of Benzoni et al [63]'s study in "Personalized regenerative medicine for AF". For the study by Xie et al [72], they investigated in both rat aCMs and hiPSC-aCMs, and the results could be applied for "Personalized regenerative medicine for AF". For the study by Gharanei et al [5], I already added the citation as your suggestion.

### Language polishing requirement:

**Comment #1:** Authors are requested to send their revised manuscript to a professional English language editing company or a native English-speaking expert to polish the manuscript further. When the authors submit the subsequent polished manuscript to us, they must provide a new language certificate along with the manuscript.

**Author answer:** I already submitted the manuscript to be edited by **TM editing©** and already received the English Language Certificate.

Best regards,

*W. Leowattana*

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