

Reviewer #1:

Scientific Quality: Grade A (Excellent)

Language Quality: Grade A (Priority publishing)

Conclusion: Accept (General priority)

Specific Comments to Authors: This manuscript introduced how islet β cells develop and mature in vivo. At the same time, several types of reported SC- β cells produced using different ex vivo protocols in the last decade were introduced detailedly. Until now, T1DM can not be cured and life-long insulin replacement have to be done in T1DM. Based on this review, it maybe useful for the researchers to understand the function and potential role of SC- β cells in treating T1DM. Therefore, this manuscript is acceptable.

Thank you for your feedback, we have made revisions to the paper to improve its quality.

Reviewer #2:

Scientific Quality: Grade B (Very good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Accept (General priority)

Specific Comments to Authors: It is an interesting manuscript. Authors succeed to present their data in a clear way adding information to the existing literature. Therefore, I have no corrections to do and the manuscript can be published unaltered.

Thank you for your feedback, we have revised the manuscript including some language polishing and editing to improve language and scientific quality.

The manuscript has been peer-reviewed, and it' s ready for the first decision.

Language Quality: Grade B (Minor language polishing)

Scientific Quality: Grade B (Very good)

Thank you for your feedback, we have made revisions to the manuscript to improve language and overall quality.

