**Subject:** Manuscript revision

Porto, 22nd September 2017

Dear Review Editor

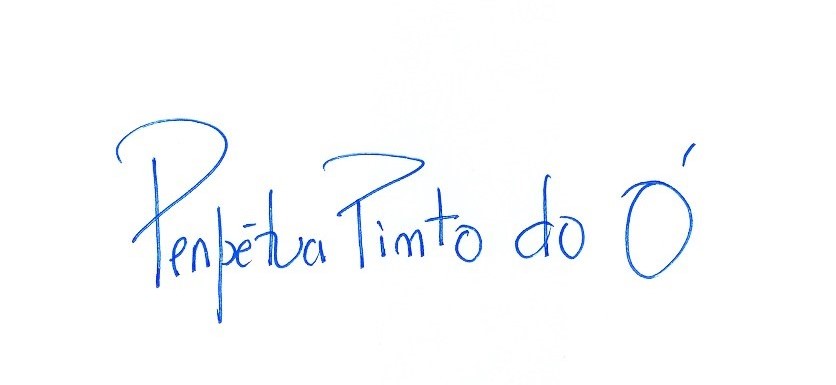
Dr. Alisha DSouza

We would like to sincerely acknowledge the reviewer’s comments and the opportunity to submit a revised version of our manuscript now entitled “Comparable decellularization of fetal and adult cardiac tissue explants as 3D-like *in vitro* microenvironments to dissect cell-ECM crosstalk” to JoVE.

We have carefully revised the manuscript taking into consideration all points raised by the reviewers. Please find enclosed a detailed response to reviewer one, addressing the comments that have been raised, a revised version of the manuscript with the alterations highlighted in blue and high-resolution figures files and Tables.

We hope that after this revision you can now appreciate our study and consider it suitable for publication at JoVE.

Sincerely,



Perpétua Pinto-do-Ó, PhD

**Stem-cell Microenvironments in Repair/Regeneration Team, Coordinator**

**INEB - Instituto Nacional de Engenharia Biomédica & i3S - Instituto de Investigação e Inovação em Saúde, & INEB - Instituto Nacional de Engenharia Biomédica, Universidade do Porto, Porto, Portugal**

**Invited Professor, Lecturer in Stem Cell Biology, Instituto de Ciências Biomédicas Abel Salazar (ICBAS), Universidade do Porto, Porto, Portugal**

**President of the Portuguese Society for Stem Cells and Cell Therapy (SPCE-TC**