

Date: 12/14/2018

Dear Editor-in-Chief,

I am submitting you the manuscript entitled "Isolation and purification of murine cardiac pericytes".

Pericytes, perivascular cells of microvessels and capillaries, are known to play a part in and endothelial barrier integrity, however, their tissue specific functions in the heart are not well understood. Moreover, there is currently no protocol utilizing readily accessible materials to isolate and purify pericytes of cardiac origin. Our protocol focuses on using the premier mammalian model, the mouse, as our source of cells. Using the enzymatic digestion and dissociation of heart tissue, we obtained a crude cell mixture that was further purified by fluorescence activating cell sorting (FACS) by a plethora of markers.

We would like to have the manuscript considered for publication in JoVe journal.

Please let me know of your decision at your earliest convenience.

Sincerely Yours,
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