Francesca Stillitano, PhD
Assistant Professor
Cardiovascular Research Center
Icahn School of Medicine at Mount Sinai
One Gustave L. Levy Place, Box 1030
New York, NY 10029-6574
T: (212) 824-9015
F: (212) 241-4080
francesca.stillitano@mssm.edu

April 15, 2019

Dr. Nandita Singh, Senior Science Editor
Journal of Visualized Experiments
1 Alewife Center, Suite 200
Cambridge, MA 02140

Dear Dr. Nandita Singh

Please find enclosed our manuscript entitled "Generation of Ventricular-like hiPSC-derived Cardiomyocytes and High-quality Cell Preparations for Calcium Handling Characterization", which we would like to submit for publication as a *Methods article* in the *Journal of Visualized Experiments*.

Our group has long investigated familial cardiomyopathies caused by mutations in cardiac proteins using human induced pluripotent stem cell-derived cardiomyocytes (iPSC-CMs). Ever since iPSCs opened a new era to uniquely investigate human diseases, the research and techniques to prepare and use these cells have grown significantly. Despite all the advances in techniques, however, it is still difficult to consistently obtain reliable iPSC-CMs. Based upon our experience, we would like to suggest an optimized protocol to generate high quality iPSC-CMs and characterize them effectively and without bias. We believe that this method will be of great interest to readers of the *Journal of Visualized Experiments* because it will aid in providing a more physiologically relevant model to characterize and study heart disease using iPSC-CMs.

We confirm that this work has not been published elsewhere, nor is it under consideration by any other journal. All the authors have read and approved the manuscript and have reported that they have no relationships relevant to the contents of this paper to disclose.

We look forward to hearing from you at your earliest convenience.

Yours sincerely,

Francesca Stillitano, on behalf of all the authors