

Dear Dr. Baker,

Please find enclosed our manuscript entitled « Modeling mammary epithelium morphogenesis in reconstituted extracellular matrix-based three-dimensional culture » which we wish you to consider for publication in the *Journal of Visualized Experiments*.

In this manuscript, we describe the use of MCF-10A (an immortalized line of non-tumorigenic human mammary epithelial cells) and MDCK (Madine-Darby-Canine-Kidney) cells in three dimensional (3-D) culture to model mammary morphogenesis. MCF-10A 3-D cultures recapitulate several steps of mammary morphogenesis including proliferation, differentiation and apoptosis. However, these cells do not undergo complete apical-basal polarization. MDCK 3-D cultures are then a complementary model to study cell polarization and mitotic spindle orientation as their coordination is important for proper MDCK cysts morphogenesis.

We believe this manuscript to be of general interest to the readership of *JoVE*.

We thank you for your time and consideration.

Sincerely Yours,

Sandrine Humbert, Salah Elias