



Virtual Biomedical and STEM/STEAM Education

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Laboratory hands on skill course

CellPick VR App Guide



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CELLPICK

CellPick is a VR app for the Meta Quest platform. The first phase of the app is the naming of the presented organelles while the other half is a series of questions regarding the functions of said organelles.

The app can be installed on a Meta Quest 2 or Meta Quest 3 headset with developer mode enabled.

Controls:

- Grab: Put the controller close to an object and hold the 'grab' button. The object is released when you release the 'grab' button.
- Remote grab: point with the laser coming out of the controller to an object and hold the 'grab' button. The object is released when you release the 'grab' button.
- Teleport: pull back the thumbstick and hold it while pointing at the ground. A circle appears on the ground which is where you are going to teleport. Release the thumbstick to commit teleporting.
- Reset app: press the 'X' button and use the left thumbstick to select 'Restart'. 'Real Life' exits the app.

Start the app:

After looking around, shoot the 'START' sign with the trigger.

Naming the organelles:

Pick up the labels from the table right to the cell. Put the label to the organelle to name it, it will stick to it if the answer is correct. The app automatically names all organelles of the same type.

Answering questions:

Pick up the desired organelle and put it on the tray on the table that gives you the questions. The tray will blink red if the answer is wrong and the tray will blink green if the answer is correct.

