Phindr3D Organoid Contour Segmentation App Manual

- When using the test data set (https://journals.plos.org/ploscompbiol/article?id=10.1371/journal.pcbi.1008630):
 - Copy organoid images to specific folder (e.g. \\...\Phindr3DCSApp\RawData\)
- Extract metadata using Phindr3D' metadata extractor (see manual for the main program)

When Running from Matlab:

- Open Matlab and navigate to the above destination
 - 1) Type organoidSegmentation in command prompt and hit run
 - 2) Select Metadata File
 - 3) Select Channels
 - 4) Select Segmentation Channels [Nucleus Channel]
- See Phindr3D_UserManual.PDF for details.

***** TO CHANGE PARAMETERS ********

- Open "organoidSegmentation.m" in Matlab editor
- You can change values of different parameters listed under "Segmentation Parameters" section.
- Save the file and run it as given in 1) above

When running the compiled program:

- Run the executable to install the program. You will be asked to install the Matlab runtime if it is unavailable on the computer.
- Afterwards, follow instructions from step 2) on.
- Parameters cannot be changed.