

April 2nd, 2019

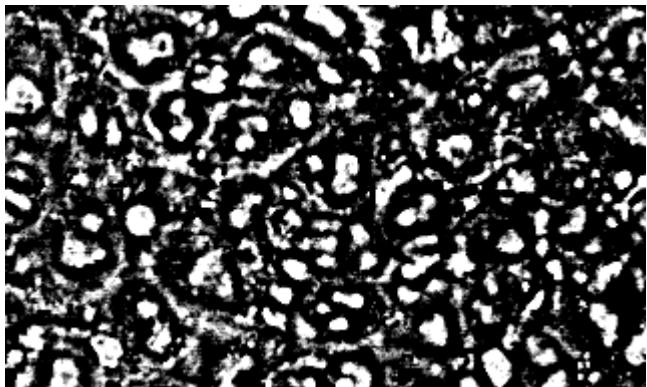
Major Changes

Professor Murphy decided that we should build a simple U-net model using all 13 fluorescent channel to generate the brightfield images.

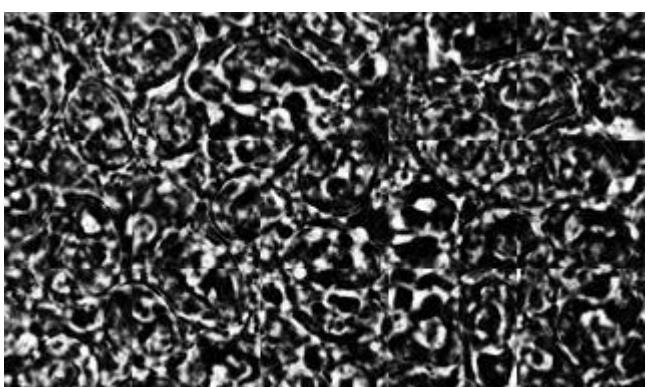
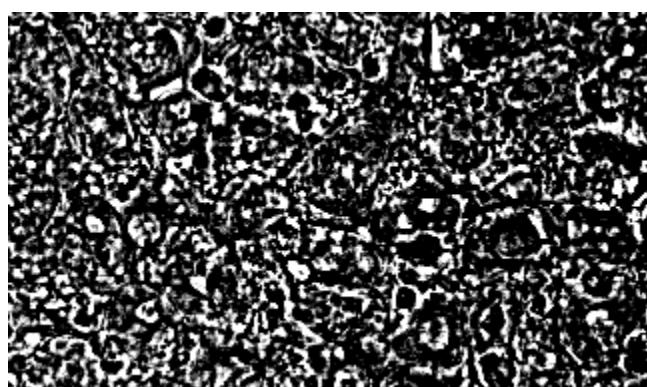
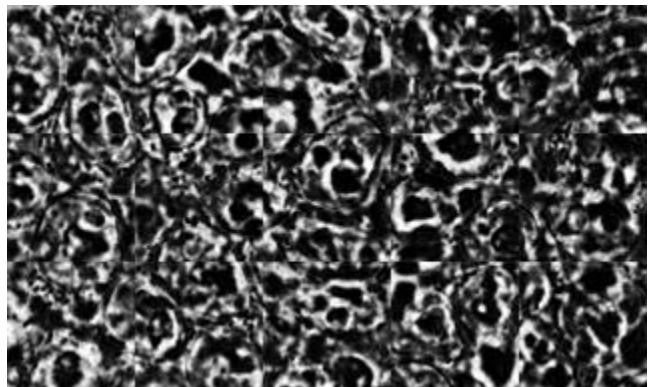
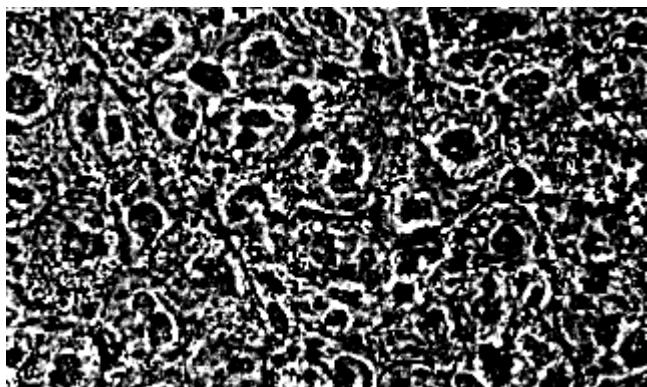
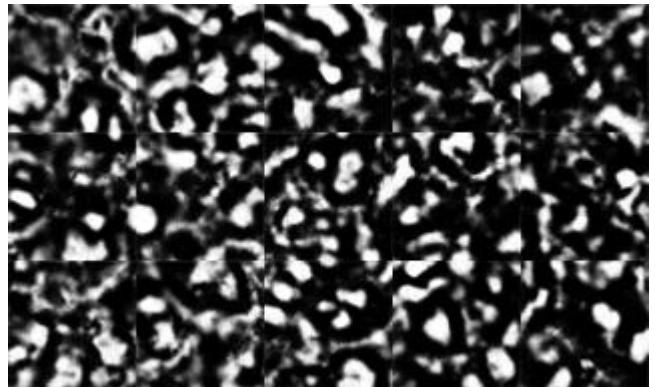
Accomplishments

I have successfully built the U-net for generating brightfield images.

Bright-field Image

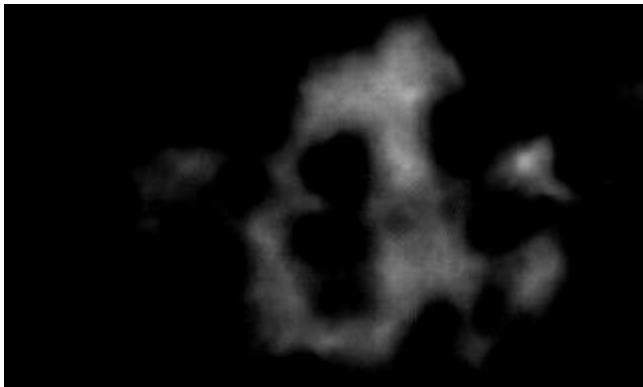


Generated Image

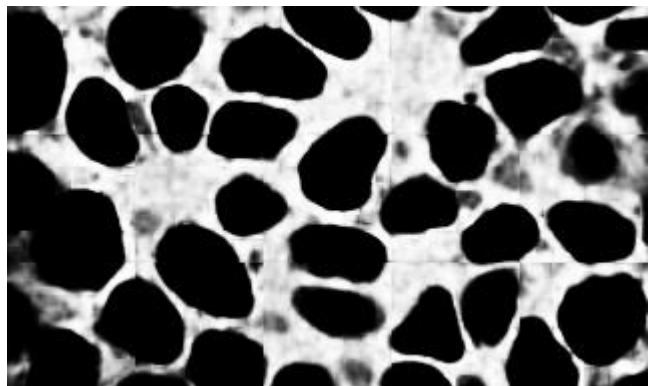
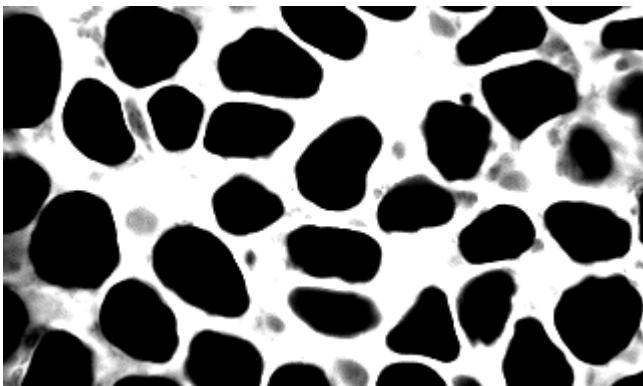
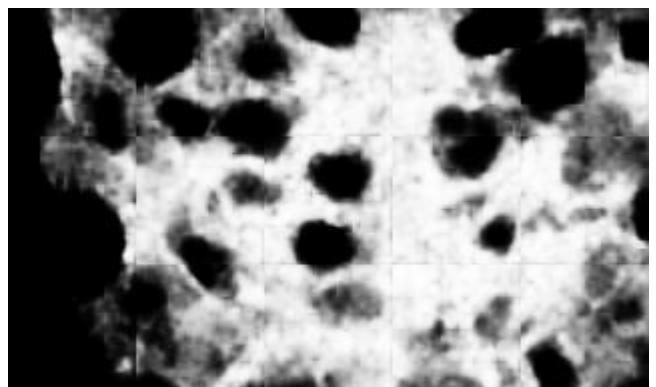
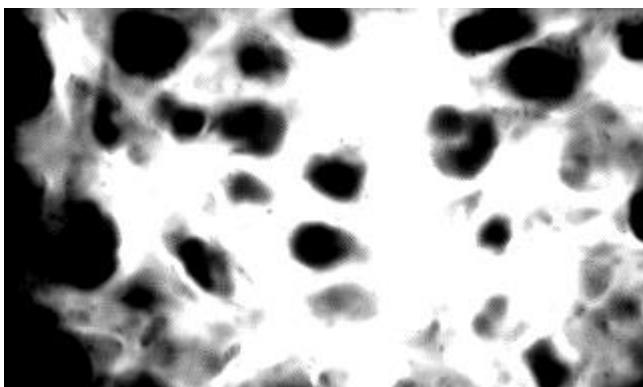
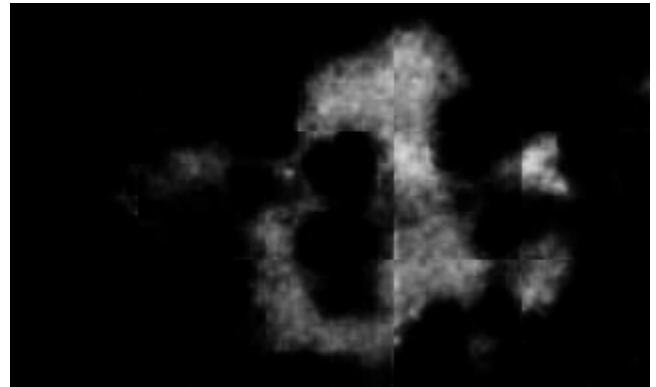


I also built the 3D model for reconstructing fluorescent images. However, the design change to integrate it with the U-net model.

Original Image



Reconstructed Image



Meeting Milestones

The milestones were met.

Surprises

There were no surprises.

Milestone Revisions

There are no major revisions.