

# April 2<sup>nd</sup>, 2019

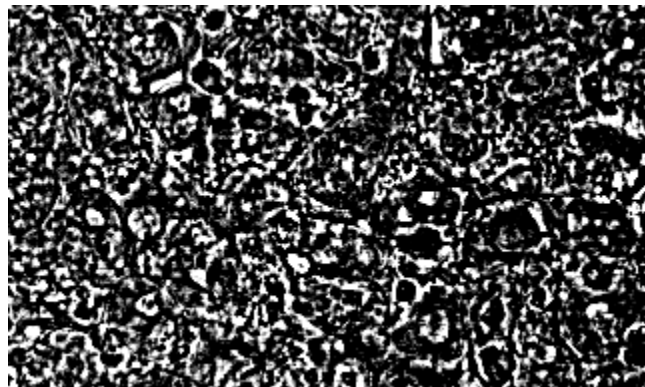
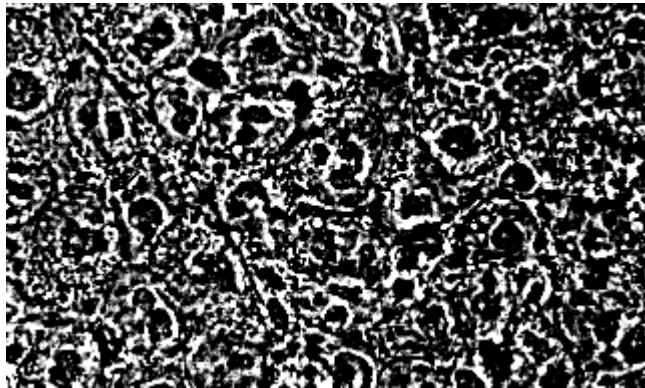
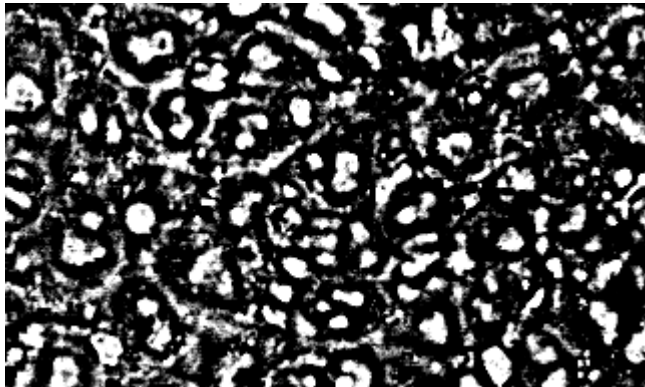
## Major Changes

Professor Murphy decided that we should build a simple U-net model that utilize all of the 13 fluorescent images for generating the brightfield images.

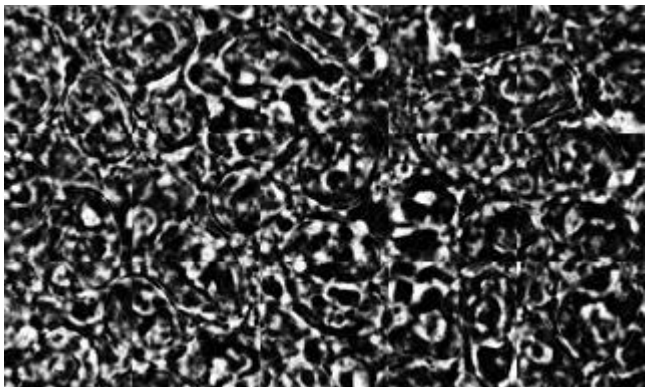
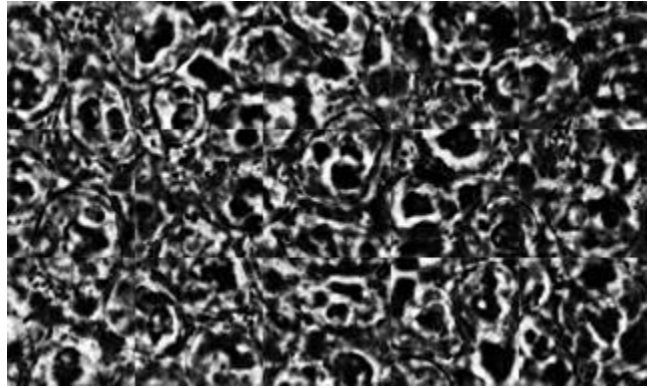
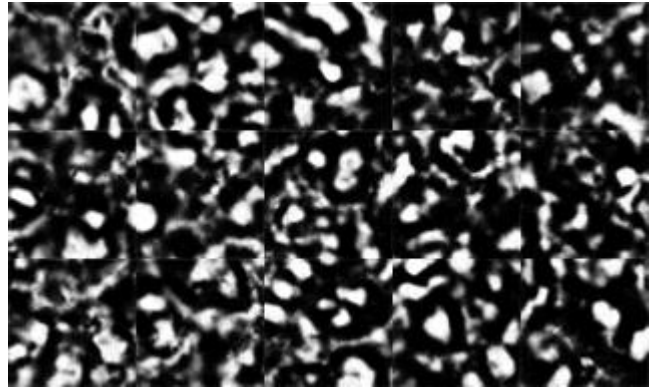
## Accomplishments

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

**Bright-field Image**

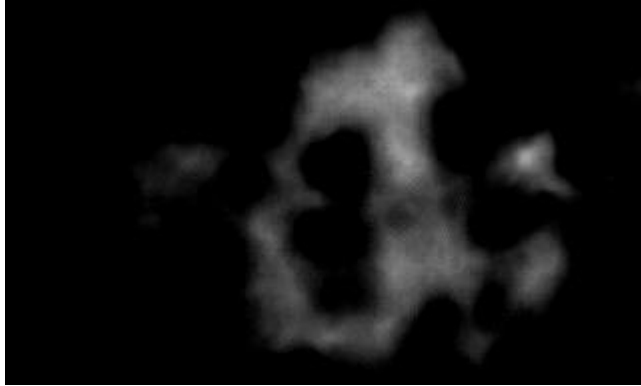


**Generated Image**

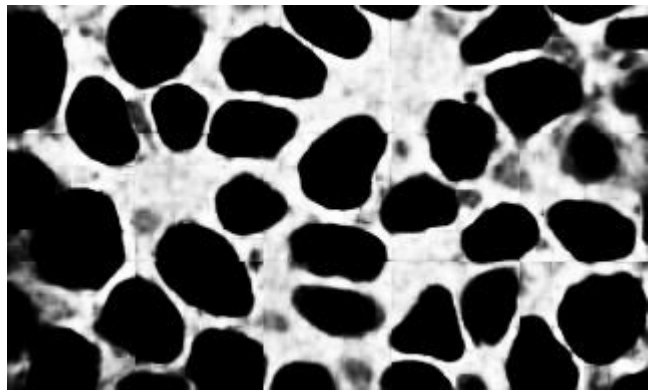
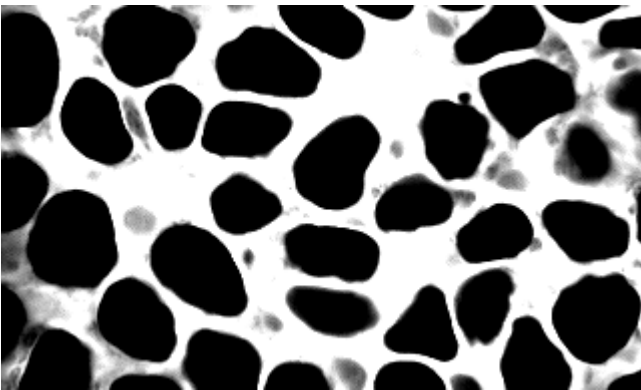
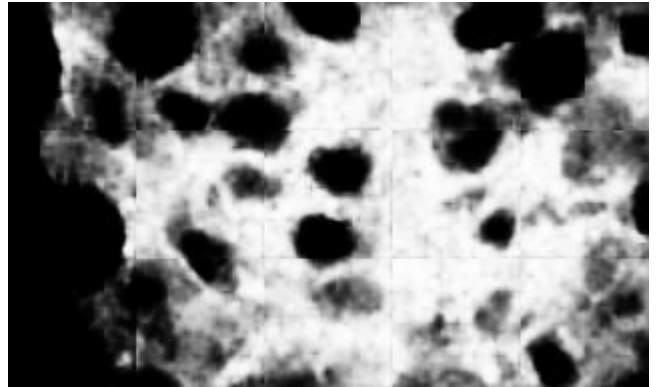
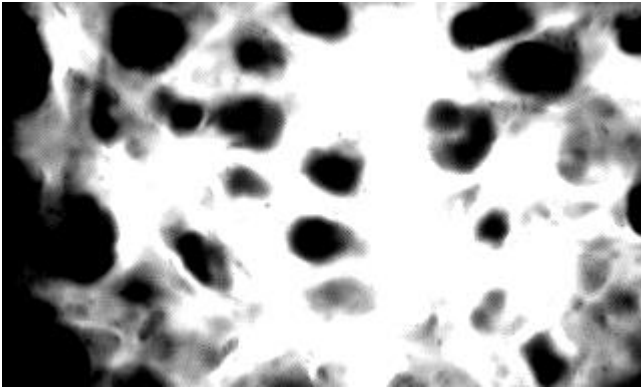
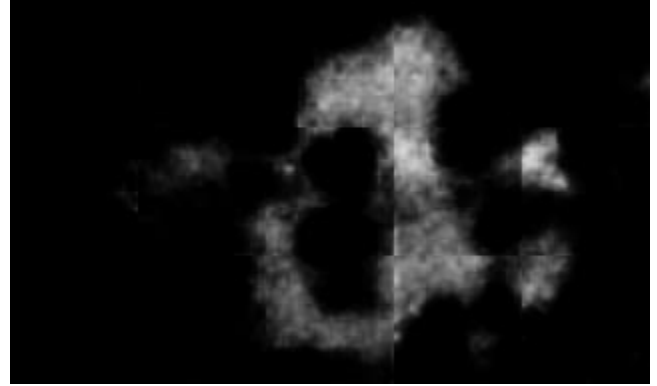


I also built the 3D model for reconstructing fluorescent images. However, the design change to integrate it with the U-net model.

**Original Image**



**Reconstructed Image**



### **Meeting Milestones**

The milestones were meet.

### **Surprises**

There were no surprises.

## **Milestone Revisions**

No are no major revisions.