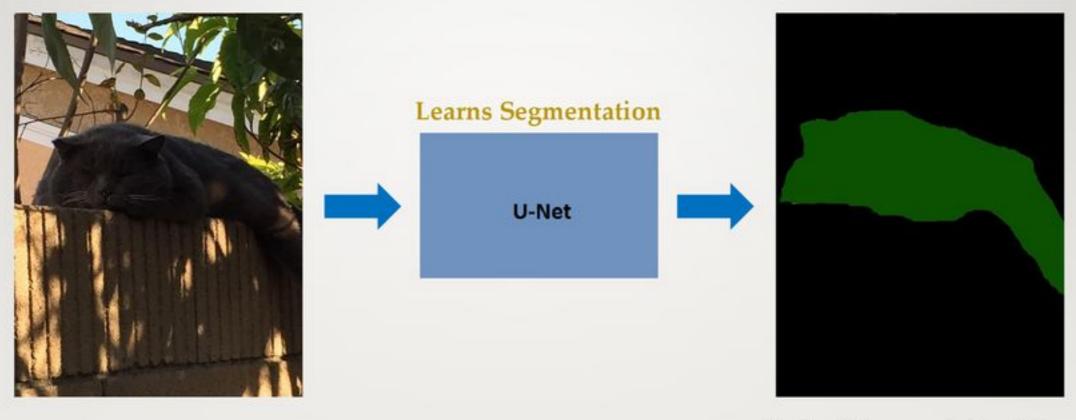
U-Net: Convolutional Network for Segmentation

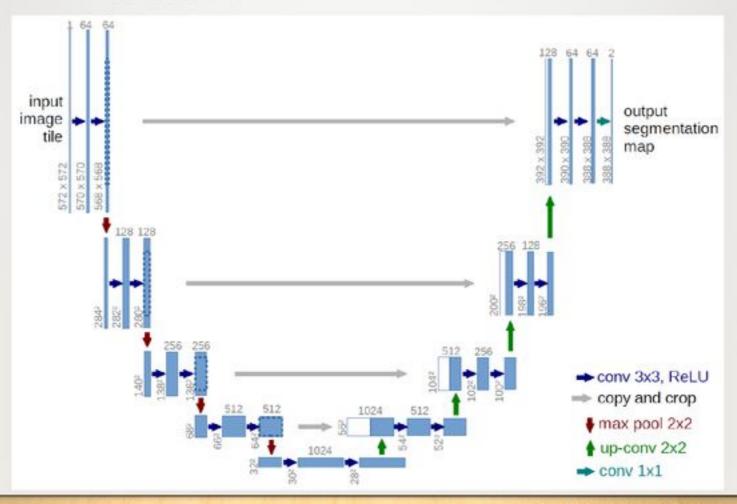
Presented by: Chanon Chantaduly

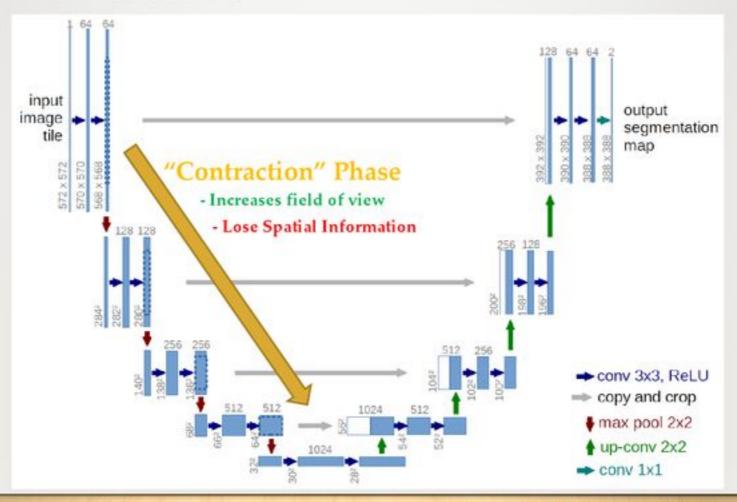
What does a U-Net do?

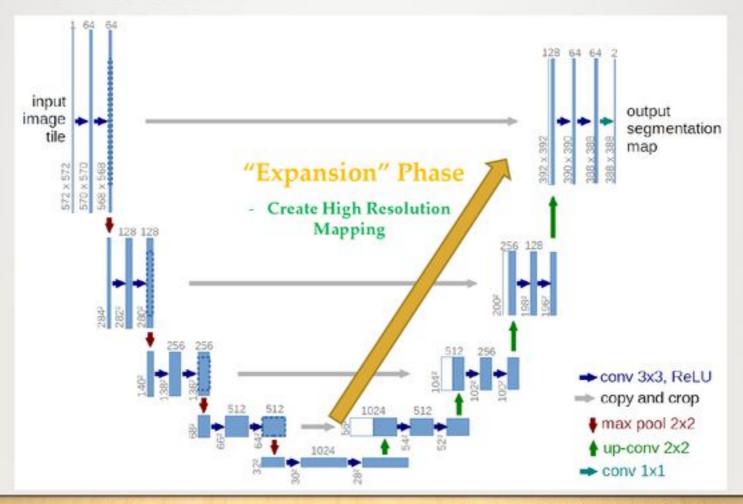


Input Image

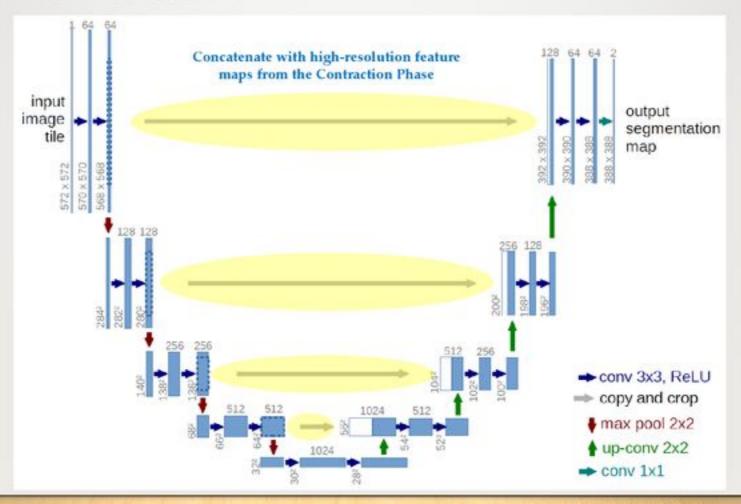
Output Segmentation Map







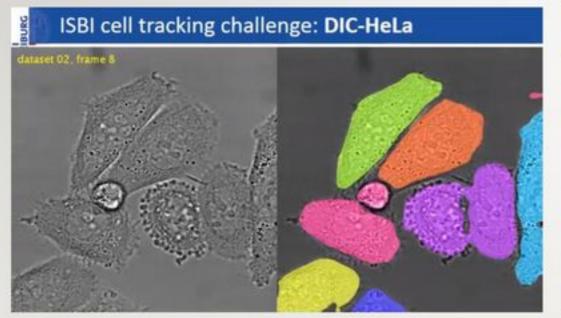


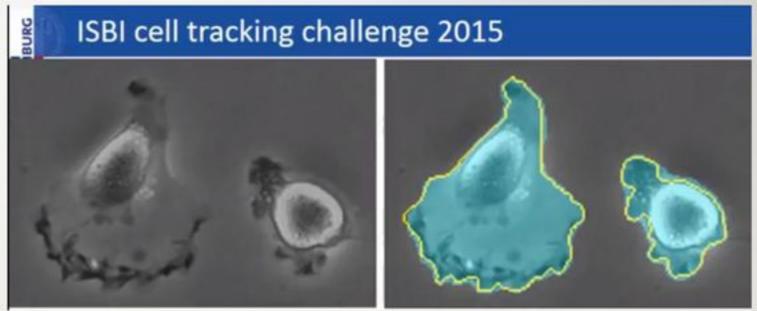


U-Net Summary

- Contraction Phase
 - Reduce spatial dimension, but increases the "what."
- Expansion Phase
 - Recovers object details and the dimensions, which is the "where."
- Concatenating feature maps from the Contraction phase helps the Expansion phase with recovering the "where" information.

Author Results





Ronneberger et al. (2015) ISBI cell tracking challenge