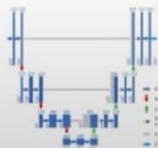


# Image Segmentation

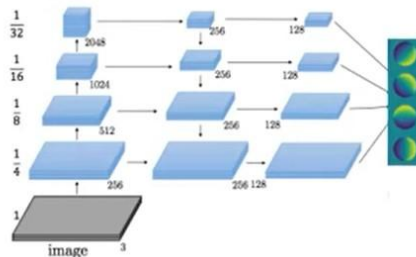
# Top Models

4 folds, 8 TTAs (flips/rotations)

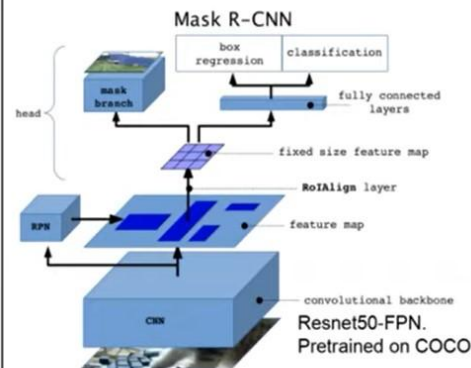
A	DPN-92-UNet-softmax
A	ResNet34-UNet-softmax
V	InceptionResNetV2-UNet-softmax
V	DenseNet121-UNet-Softmax
S	DenseNet169-FPN-Softmax
S	ResNet152-FPN-sigmoid
S	ResNet101-FPN-sigmoid
A	DPN-92-UNet-sigmoid



[ods.ai] topcoders  
1st place

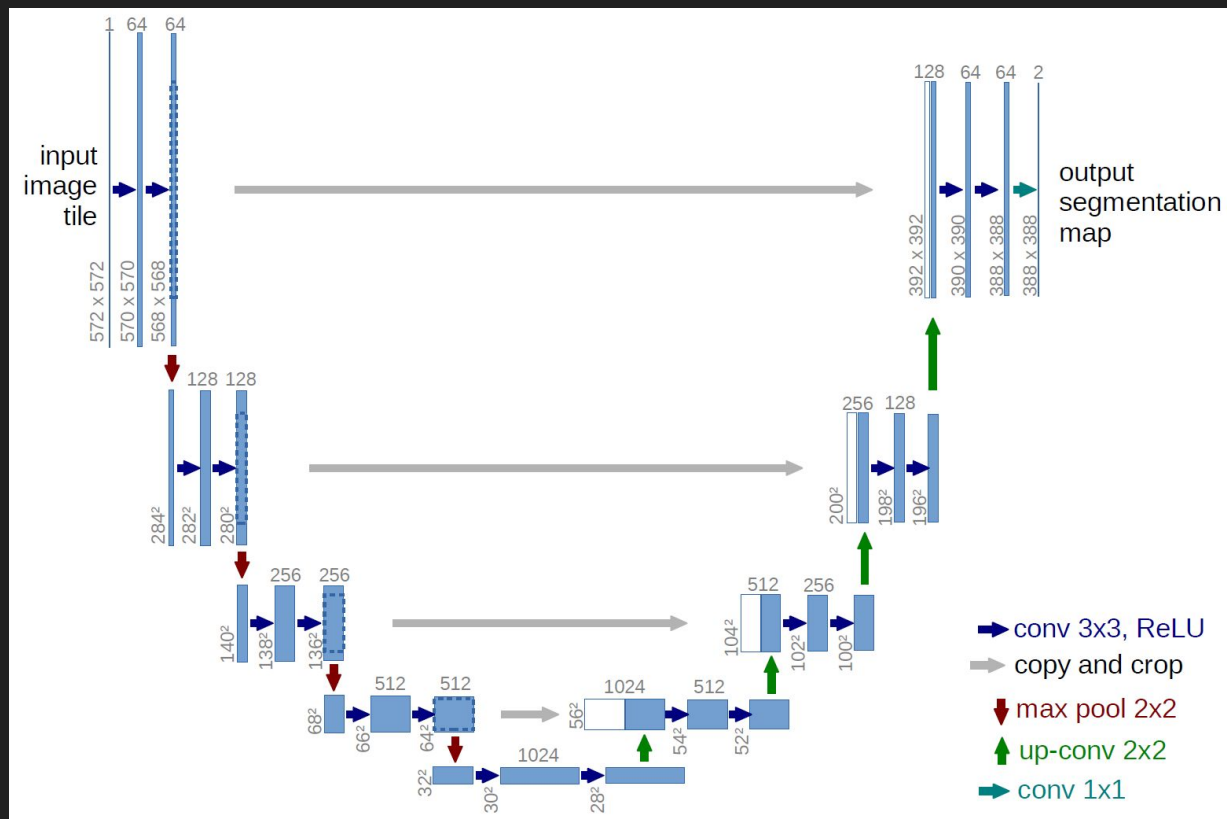


jacobkie  
2nd place

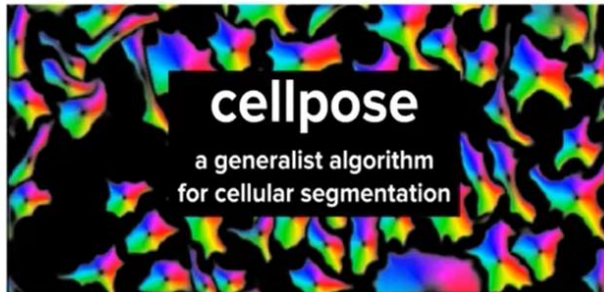


Deep Retina  
3rd place

# U-Net



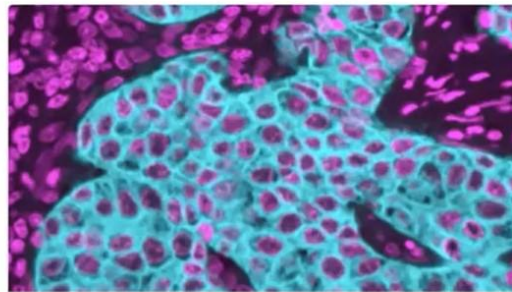
# Cell Segmentation



Stringer et al. 2020, Nat Meth



Hollandi et al. 2020, Cell Systems



Greenwald et al. 2021, BioRxiv

# deep transfer learning strategies for digital pathology

They have empirically investigated various deep transfer learning strategies for recognition in digital pathology and microscopy. It is observed that residual and densely connected networks often yielded best performances across the various experiments and datasets.

It also appeared that using one network's inner layer features yielded performances slightly superior to using those of the last layer and inferior to fine-tuning but with the advantage of not having to re-train the network.