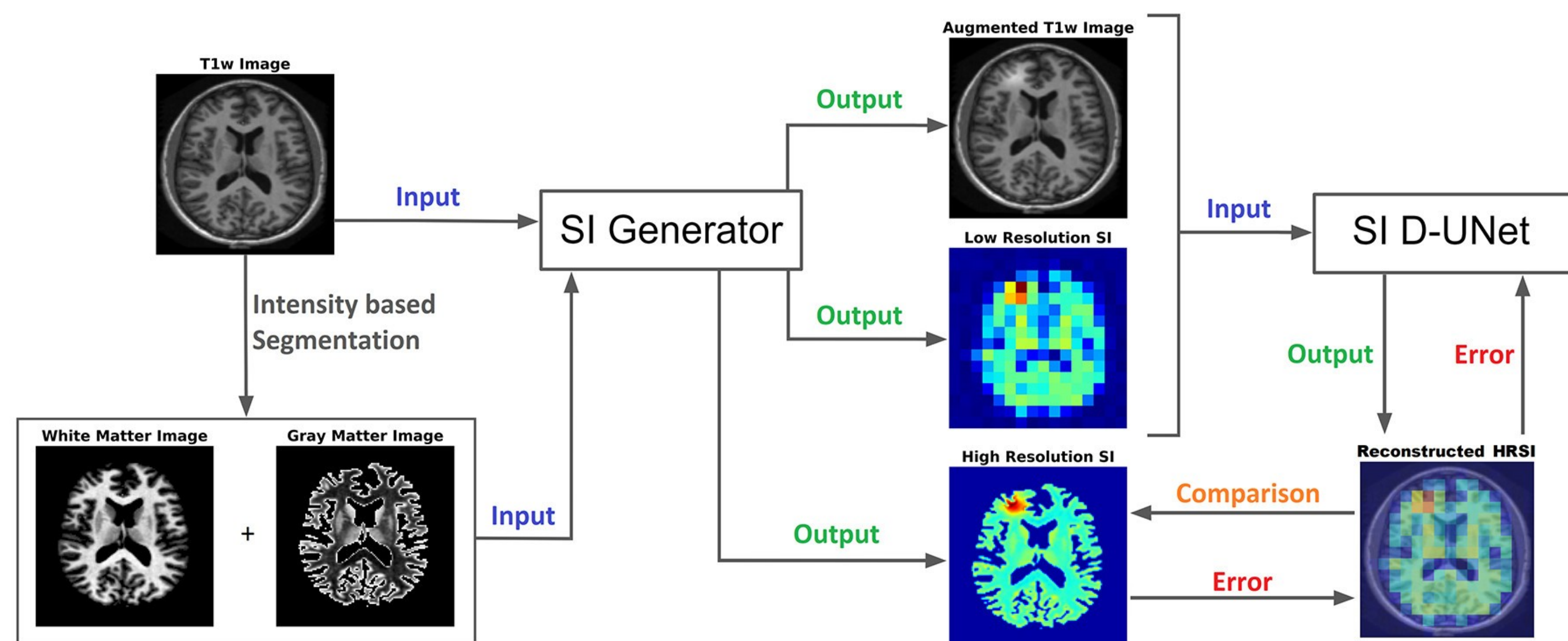
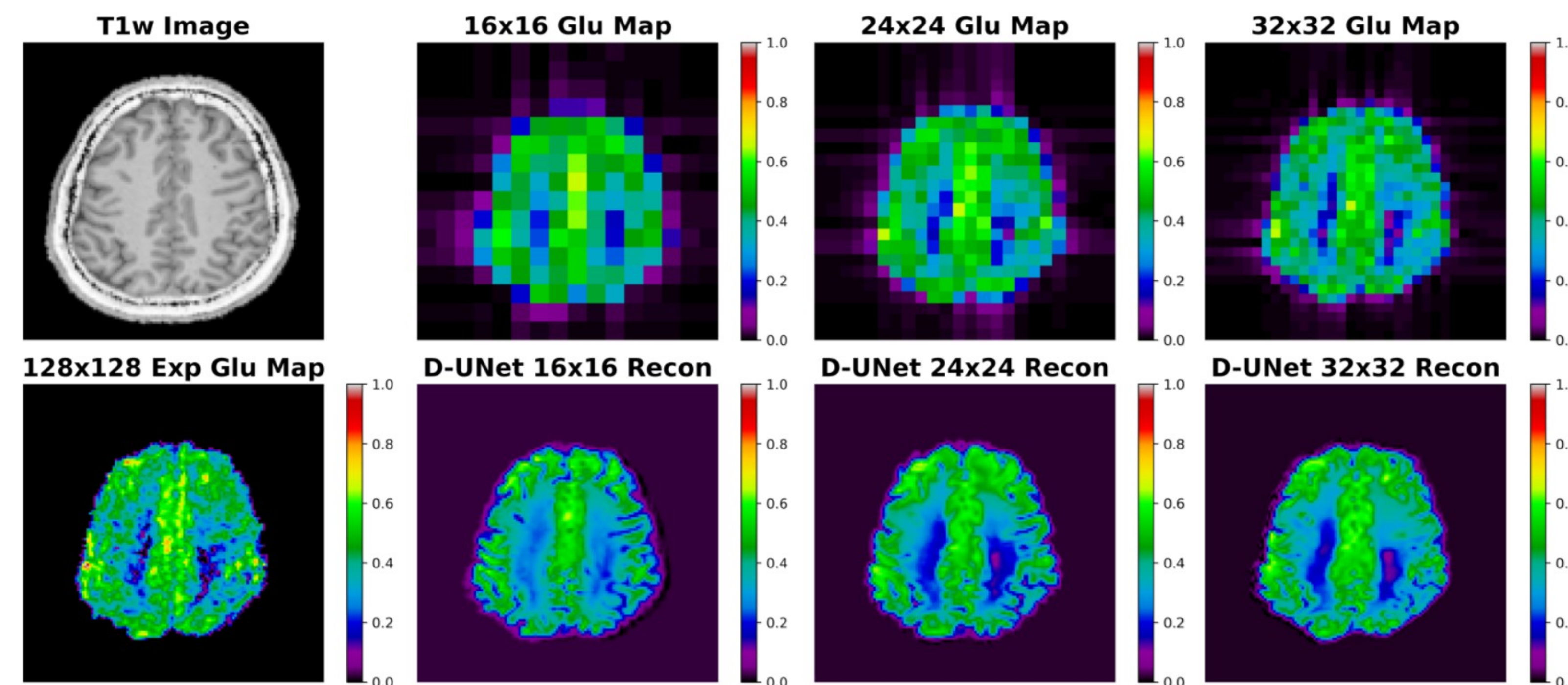


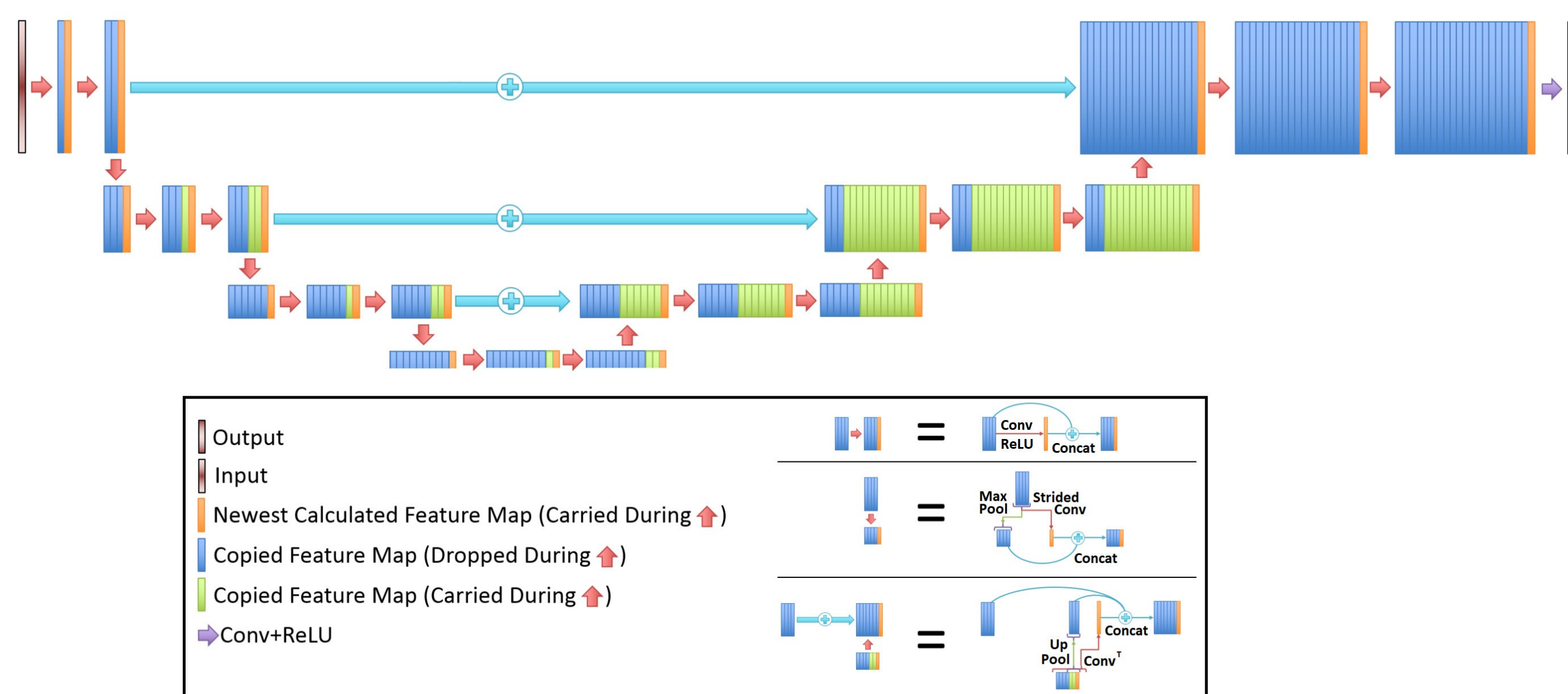
How can we train a model when we only have a few datasets?
The workflow that makes it possible:



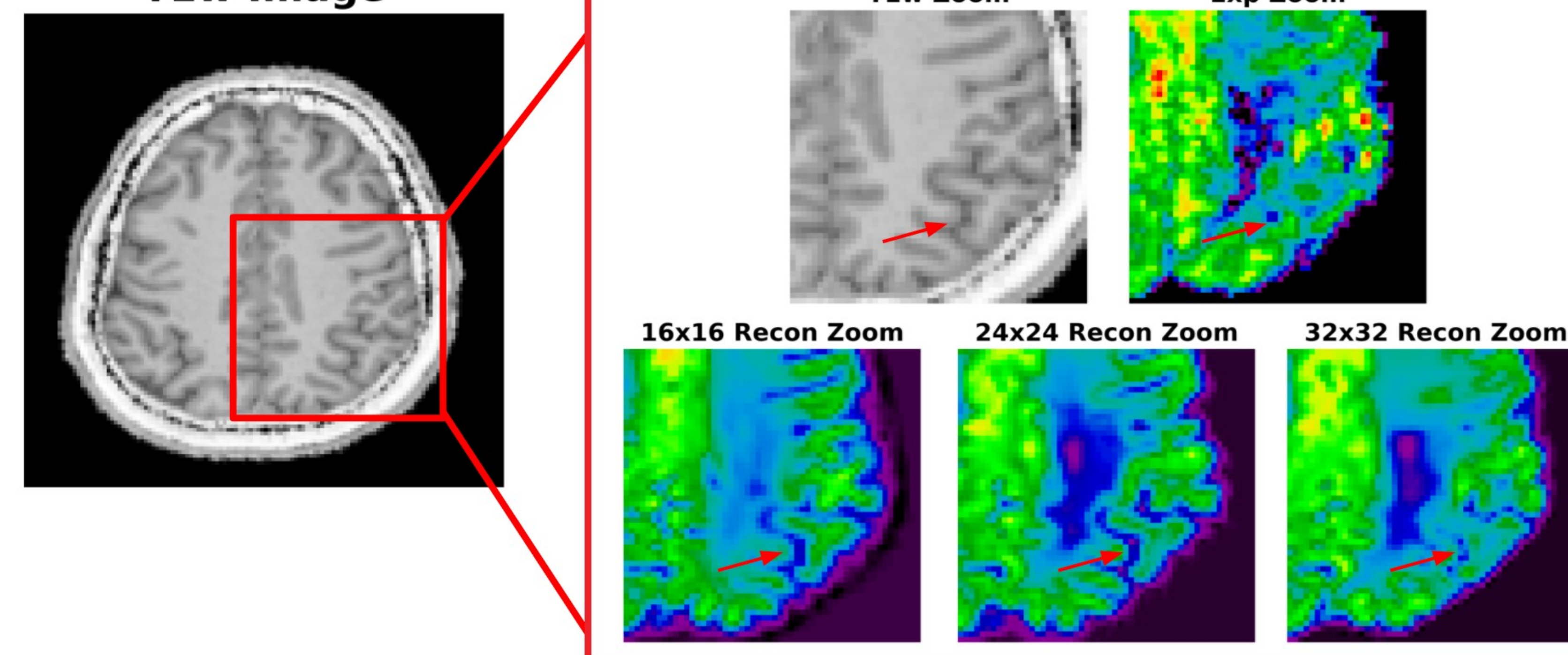
The reconstructions of our model are shown below for transforming the low resolution Glutamate (neurotransmitter) maps into high resolution maps comparable to experimental (Exp), in vivo measurements.



Dense U-Net Architecture



T1w Image



The deep learning architecture that transforms low resolution anatomical and spectroscopic images into high resolution spectroscopic images.