

SegNeuron: 3D Neuron Instance Segmentation in Any EM Volume with a Generalist Model

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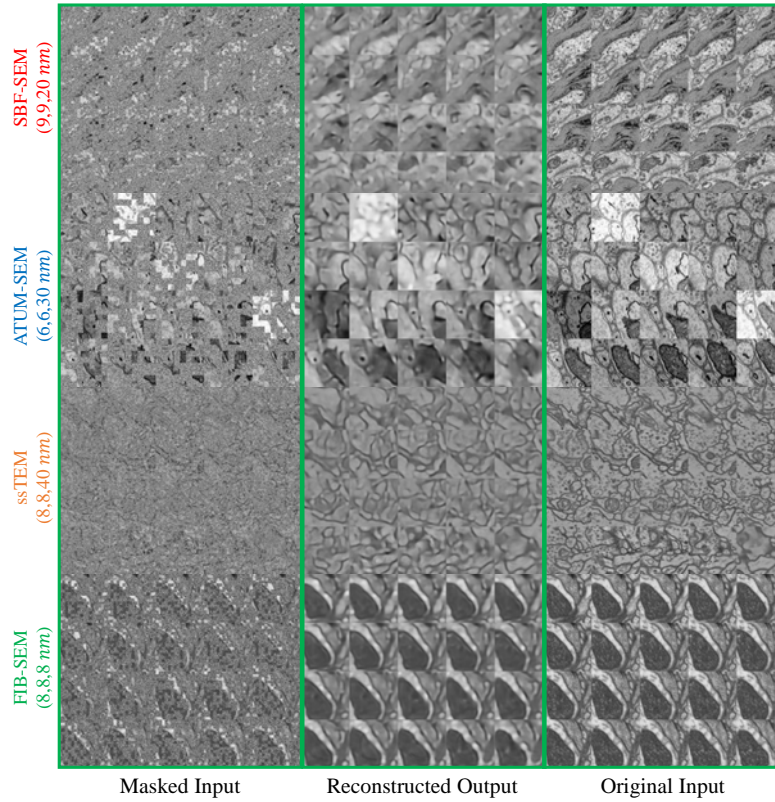


Fig. 1. Examples of the original image, masked image, and reconstruction result in multi-scale Gaussian mask reconstruction pretraining. Size: $20 (z) \times 128 (x) \times 128 (y)$.

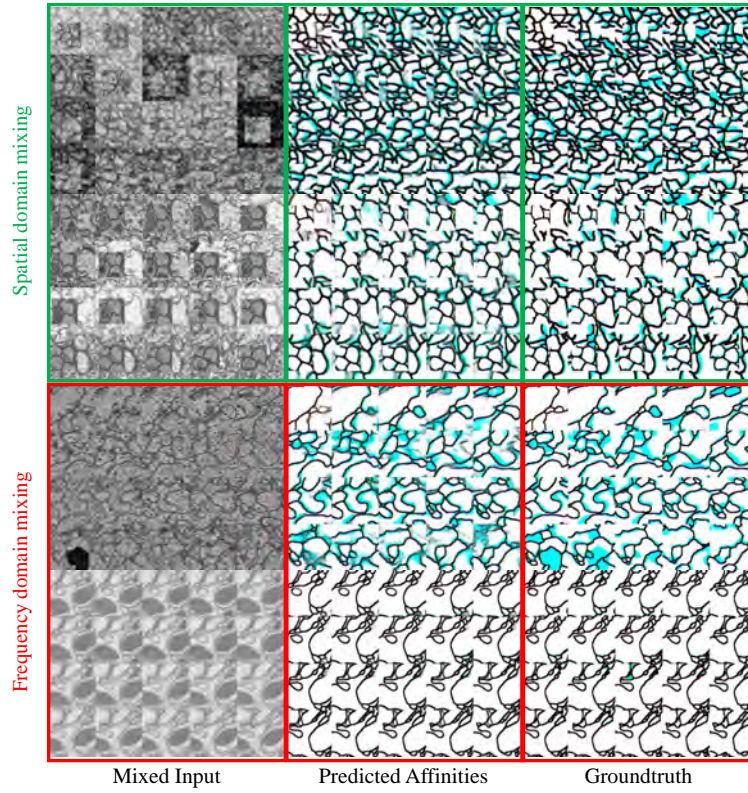


Fig. 2. Examples of the mixed image, predicted affinity map, and groundtruth in domain-mixing fine-tuning. Size: $20 (z) \times 128 (x) \times 128 (y)$.

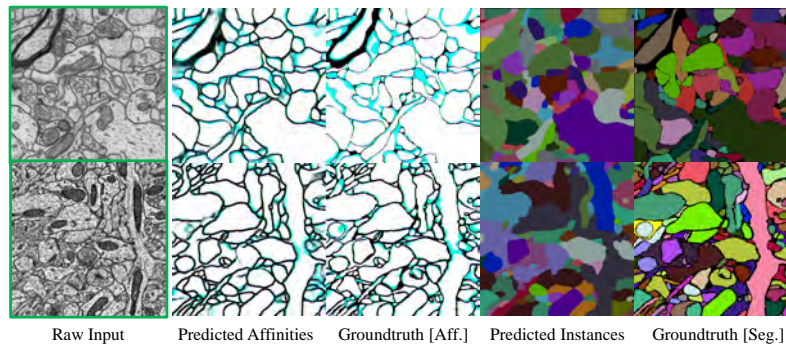


Fig. 3. Examples of the original image, predicted affinities via SegNeuron, and instance result via foreground-restricted segmentation.