

Result\_folder: "/content/gdrive/My Drive/CARE 3D/Results TubulinDAPIFM

Do you want to use the current trained model?

Use\_the\_current\_trained\_model:

If not, provide the name of the model and path to model folder:

During the training, the model files are automatically saved inside of a folder named by the parameter 'model\_name' (see section 3). Please provide the name of this folder as 'inference\_model\_name' and the path to its parent folder in 'inference\_model\_path'.

Prediction\_model\_name: "Insert text here"

Prediction\_model\_path: "Insert text here"



Using current trained network

The CARE3DEva network will be used.

Loading network weights from 'weights\_best.h5'.

Restoring images...

/content/gdrive/My Drive/CARE 3D/TubulinDAPIFM/Stack1 DAPI.tif

/content/gdrive/My Drive/CARE 3D/TubulinDAPIFM/Stack1 FM.tif

/content/gdrive/My Drive/CARE 3D/TubulinDAPIFM/Stack1 Tubulin.tif

```
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ResourceExhaustedError                                Traceback (most recent call last)  
/usr/local/lib/python3.6/dist-packages/csbdeep/models/care_standard.py in _predict_mean_and_scale(self, img, axes, normalizer, resizer, n_tiles)  
    355         x = predict_tiled(self.keras_model,x,axes_in=net_axes_in,axes_out=net_axes_out,  
--> 356             n_tiles=n_tiles,block_sizes=net_axes_in_div_by,tile_overlaps=net_axes_in_overlaps,pbar=progress)  
    357         # x has net_axes_out semantics
```

↕ 11 frames

ResourceExhaustedError: 2 root error(s) found.

(0) Resource exhausted: OOM when allocating tensor with shape[1,32,136,548,548] and type float on /job:localhost/replica:0/task:0/device:GPU:0 by allocator GPU\_0\_bfc  
[[{node down\_level\_0\_no\_1\_2/convolution}]]

Hint: If you want to see a list of allocated tensors when OOM happens, add report\_tensor\_allocations\_upon\_oom to RunOptions for current allocation info.

[[activation\_3/Identity/\_715]]

Hint: If you want to see a list of allocated tensors when OOM happens, add report\_tensor\_allocations\_upon\_oom to RunOptions for current allocation info.

(1) Resource exhausted: OOM when allocating tensor with shape[1,32,136,548,548] and type float on /job:localhost/replica:0/task:0/device:GPU:0 by allocator GPU\_0\_bfc  
[[{node down\_level\_0\_no\_1\_2/convolution}]]

Hint: If you want to see a list of allocated tensors when OOM happens, add report\_tensor\_allocations\_upon\_oom to RunOptions for current allocation info.

0 successful operations.

0 derived errors ignored.

During handling of the above exception, another exception occurred:

```
TypeError                                Traceback (most recent call last)  
/usr/local/lib/python3.6/dist-packages/csbdeep/models/care_standard.py in _predict_mean_and_scale(self, img, axes, normalizer, resizer, n_tiles)  
    363     tile_sizes_approx = np.array(x.shape) / np.array(n_tiles)  
    364     t = [i for i in np.argsort(tile_sizes_approx) if i in x_tiling_axis][-1]  
--> 365     n_tiles[t] *= 2  
    366     # n_tiles = self._limit_tiling(x.shape,n_tiles,net_axes_in_div_by)  
    367     # if all(np.array(n_tiles) == np.array(n_tiles_prev)):
```

TypeError: 'tuple' object does not support item assignment