

# Detection & Localization of Rabies Neurons

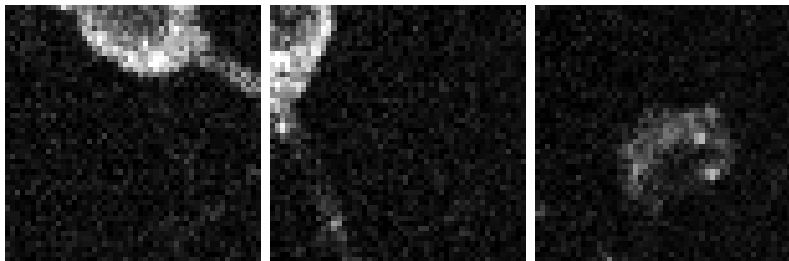
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FZ Caesar

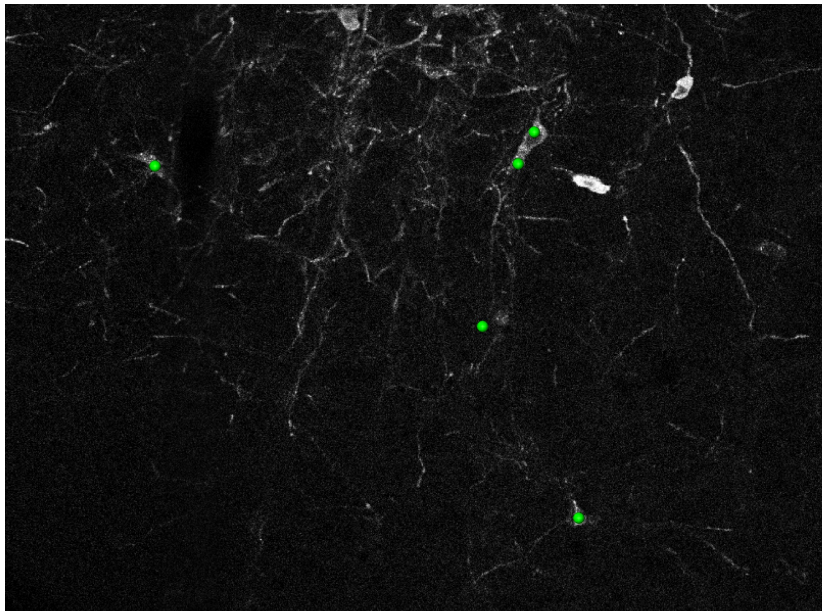
May 6, 2020

# Updates

- The full pipeline ready - Classification and Localization!  
⇒ New classifier working + can generate landmarks (.landmarkAscii files)
- Used 10 slices for training : MG48\_3day\_bs for training.
- Now running inference on individual slices.



# Generating Landmarks



# Next Steps

## Imbalanced Data!!! $\Rightarrow$ classification errors

- Produce BS-masked images  $\Rightarrow$  reduces huge amount of unwanted tissue background.
- Set weights for individual classes during training.
- Use different metric called Confusion matrix

## Further Steps:

- FP Vs FN analysis.
- Continue to train and run for much more larger data.