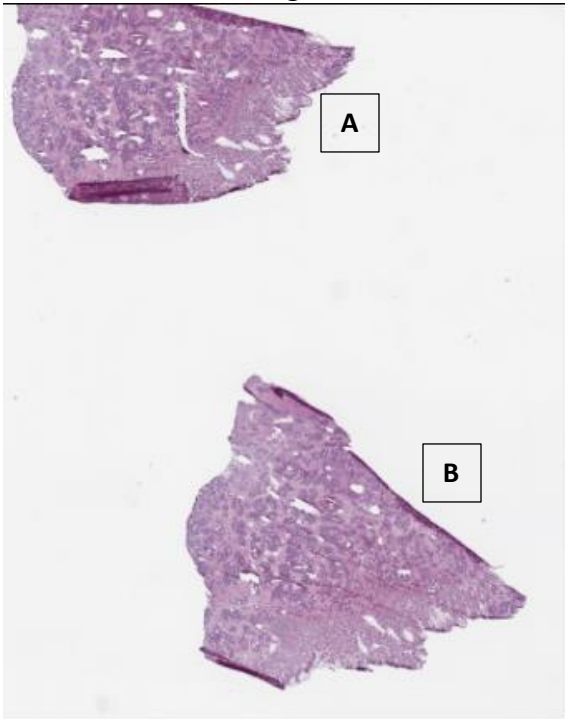


Assignment 2 – Weakly Supervised Nuclei Segmentation

1. Please visit <https://portal.gdc.cancer.gov/>
2. Search for TCGA-AA-3562-01A-01-BS1.2bc37a71-647d-4e7e-9e3a-12191942a051.svs, you will find a whole slide image with two sections of tissue



3. Read slide in QuPath
4. Use pixel classifier to segment nuclei in any ROI you choose in **section A**. Try to optimize the spatial smoothing filters
5. In Python, import the produced annotations using paquo.
6. Prepare dataset for segmentation like the segmentation data under Week 11 (image/binary map paired image) to be **train** data
7. Train a U-NET model
8. Repeat steps 4, 5, 6 in **section B** to prepare **test** set
9. Run inference on the test set

Deliverables: Samples from your results as triplet image (image, gt binary, prediction binary)

Due date: Monday November 21th Midnight