QuPath Workshop

Part 1: H&E (first day)

Course:

- Pyramidal representation of images
- Annotations
- Stain deconvolution

Hands on:

- QuPath installation
- Annotations (types, resolution)
- Stain deconvolution

Course:

- Nuclei segmentation
- Machine learning for classification

Hands on:

- Stroma and epithelium segmentation
- Nuclei segmentation with watershed and stardist pretrained model
- Nuclei classification: ki67+ cells
- Data summary

Part 2 : Fluorescence (second day)

Hands on:

- Epithelium and stroma segmentation
- Nuclei segmentation
- Marker identification
- Cell type characterization
- Data summary