HALO AI

THE POWER OF ARTIFICIAL INTELLIGENCE IN THE HANDS OF THE PATHOLOGISTS

Neural network driven tissue classification & segmentation for research & routine pathology.

HALO AI is a train-by-example tissue classification tool underpinned by state-of-the-art neural network algorithms. Neural networks can handle much more complicated classification tasks compared to other machine learning or pattern recognition algorithms. HALO AI classifiers can be used to find rare events or cells in tissues, to quantify tissue classes and to segment tissue classes for analysis with other HALO image analysis modules.

HALO AI is integrated with HALO and HALO Link providing users an intuitive interface for training and the ability to seamlessly collaborate with pathologists and scientists around the world on HALO AI projects.

HALO AI puts the power of deep learning artificial intelligence into the hands of pathologists and researchers.

For more info visit **www.indicalab.com**

SIMPLE WORKFLOW

- Detect and quantify different types of cells, objects and tissue types across whole slide images. In the example shown to the right, the classifier has been trained to identify tumor cells in lymph nodes.

- Perform further analysis, such as cell quantification on one or more tissue classes using any HALO® image analysis module.
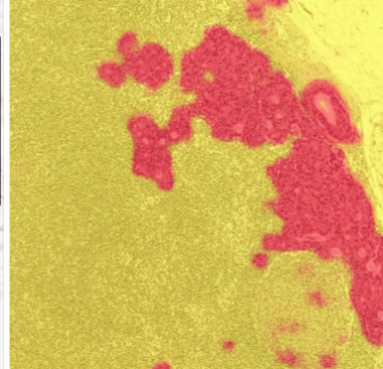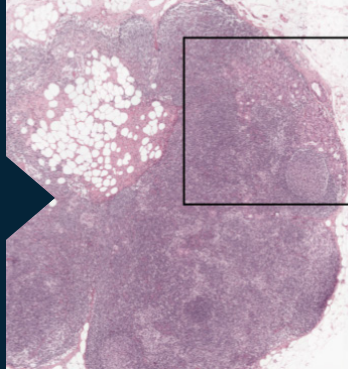
SIMPLE WORKFLOW

- Provide training annotation manually using intuitive drawing tools or create training annotations automatically by transferring from serial section stained to identify classes of interest.

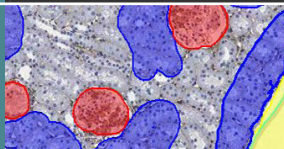- Start training in one click and watch your progress in real time.
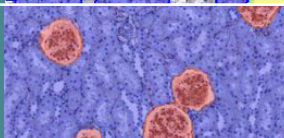
1 »
DEFINE CLASSIFIER

2 »
TRAIN CLASSIFIER

3 »
APPLY CLASSIFIER

| Resolution (µm/px) | 2.0 | + | |
| Minimum Object Size (µm²) | 20 | – | + |

Click To Add A New Class

- background
- tubules
- glomeruli

SEAMLESS COLLABORATION

Share HALO AI studies with collaborators around the world so they can add their own images to a study, provide training annotations and even run classifiers – nothing required other than a browser!

▾ Collaborators

The following people have access to this study.

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Share

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QUANTITATIVE PATHOLOGY

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