



MIPAR

Image Analysis Software

Life Science Demo

Florescence and Light Microscopy

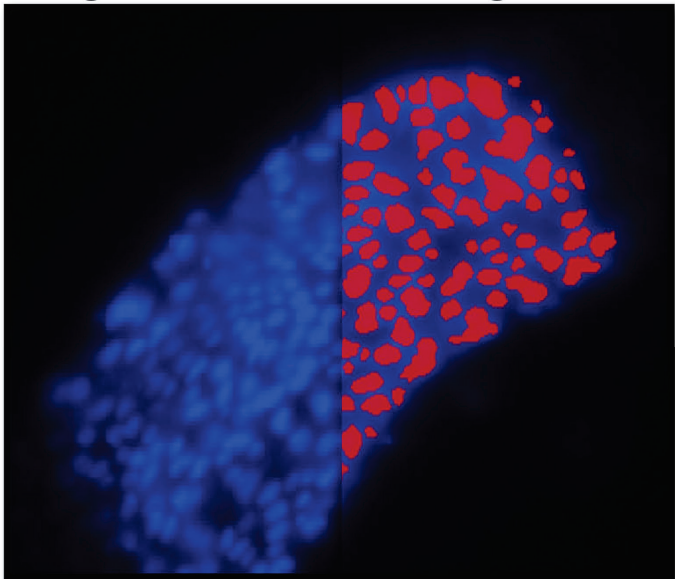
Simple. Uniquely Powerful.

Immunofluorescence Analysis

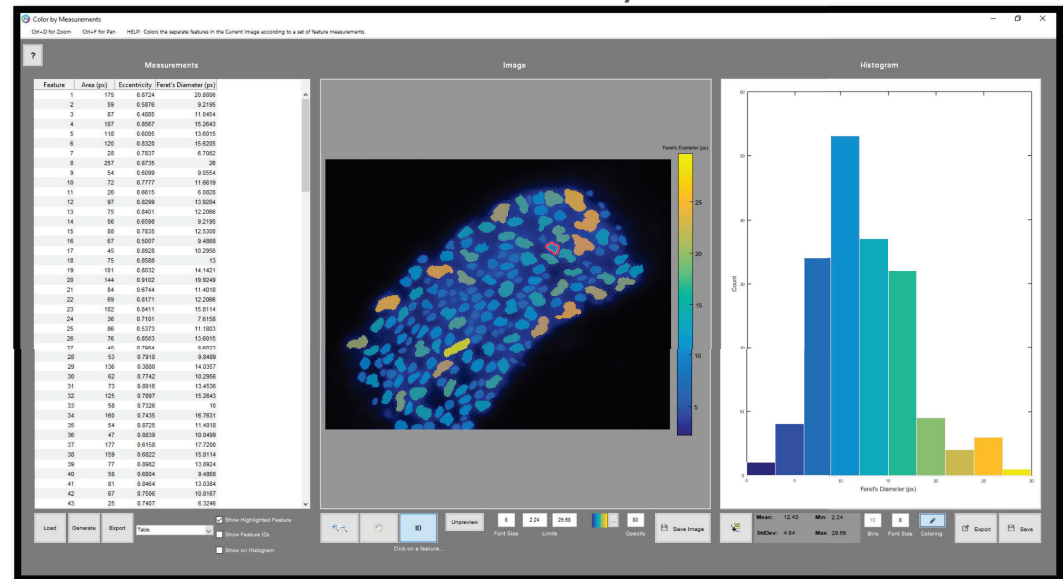
Immunofluorescence H&E Immunohistochemistry Phase Contrast Bacteria Cultures
Cell Count Colocalization Morphology

Original

Segmented



Counted and Colored by Measurement

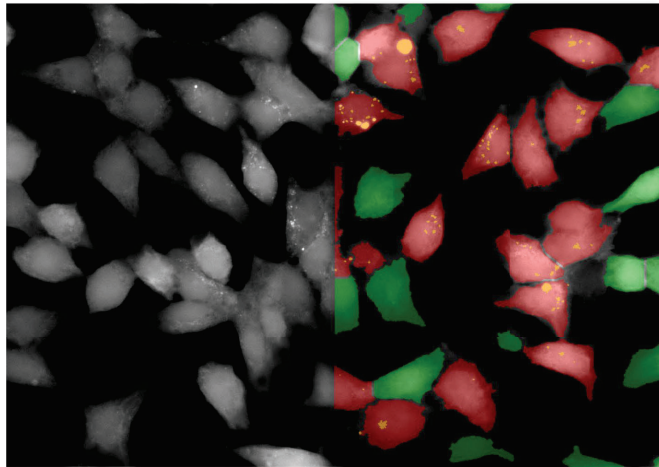


Cells are Identified in High Background Signal Images

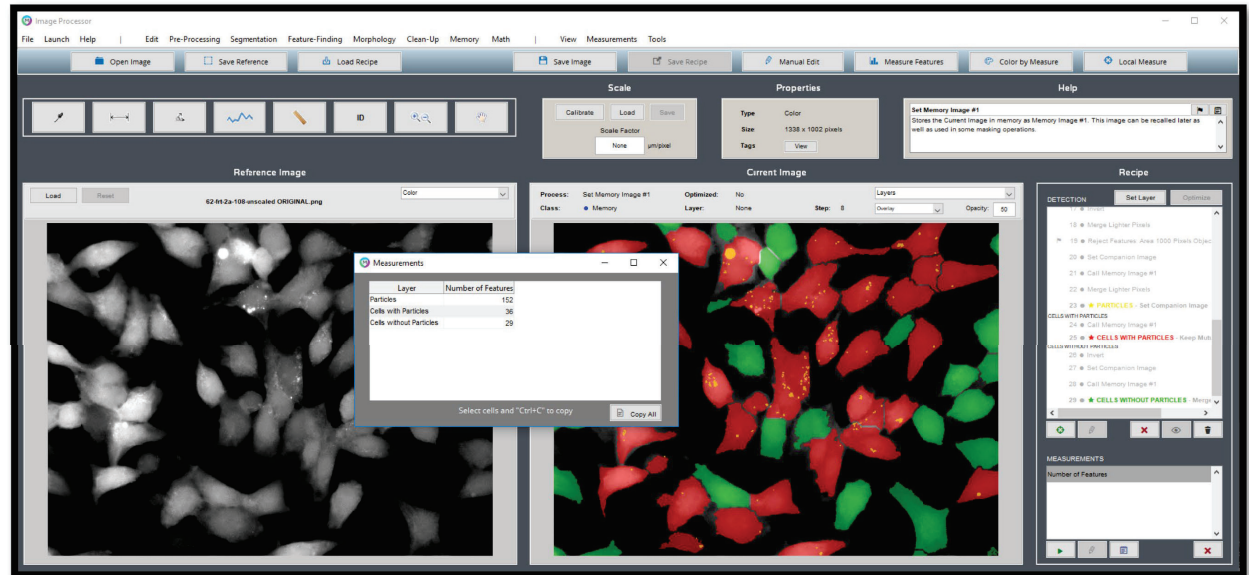
Immunofluorescence H&E Immunohistochemistry Phase Contrast Bacteria Cultures
Cell Count Colocalization Morphology

Original

Segmented



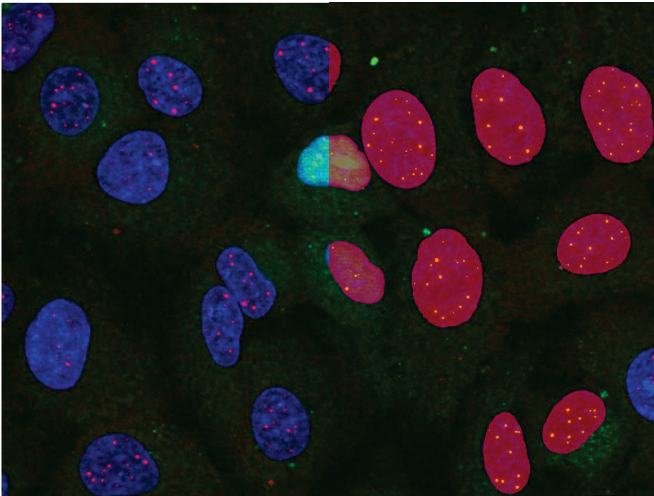
Counted and Colored by Colocalization



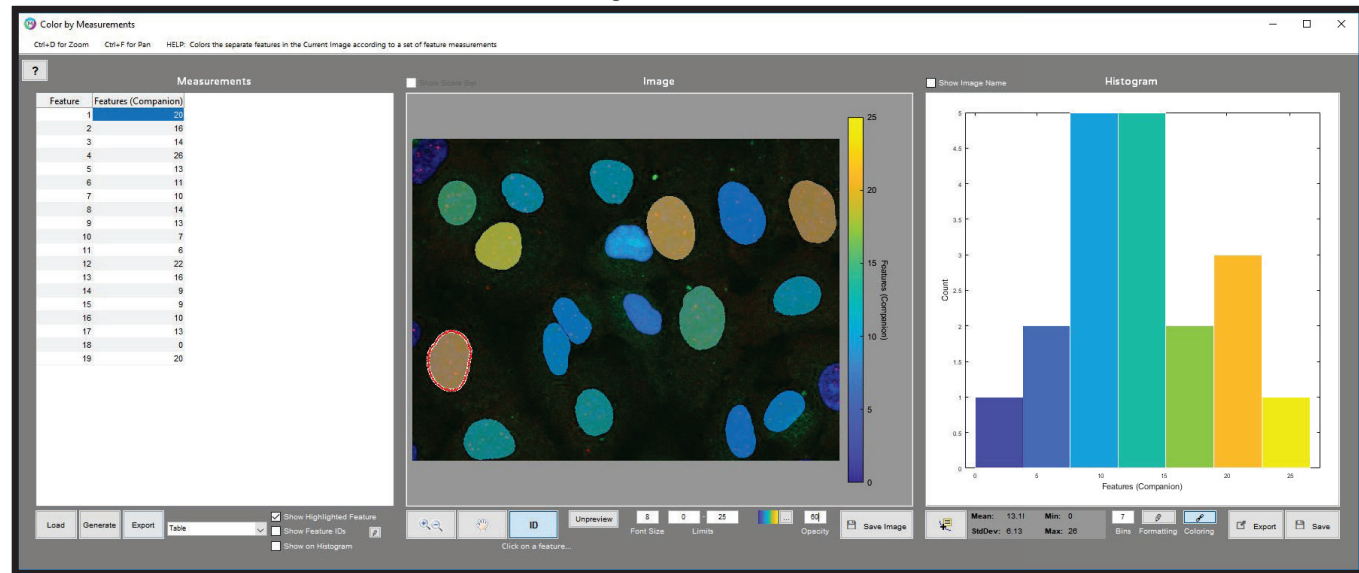
Cells are Identified and Separated Based on Particle Presence

Original

Segmented



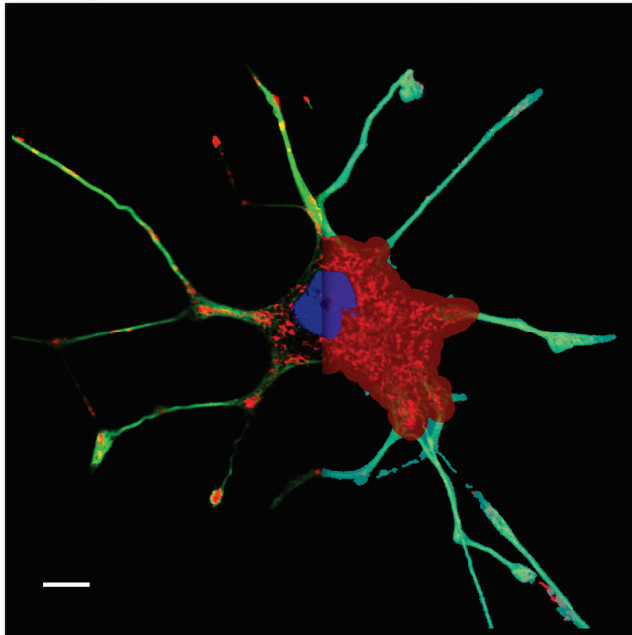
Nuclei Colored by Positive Protein Count



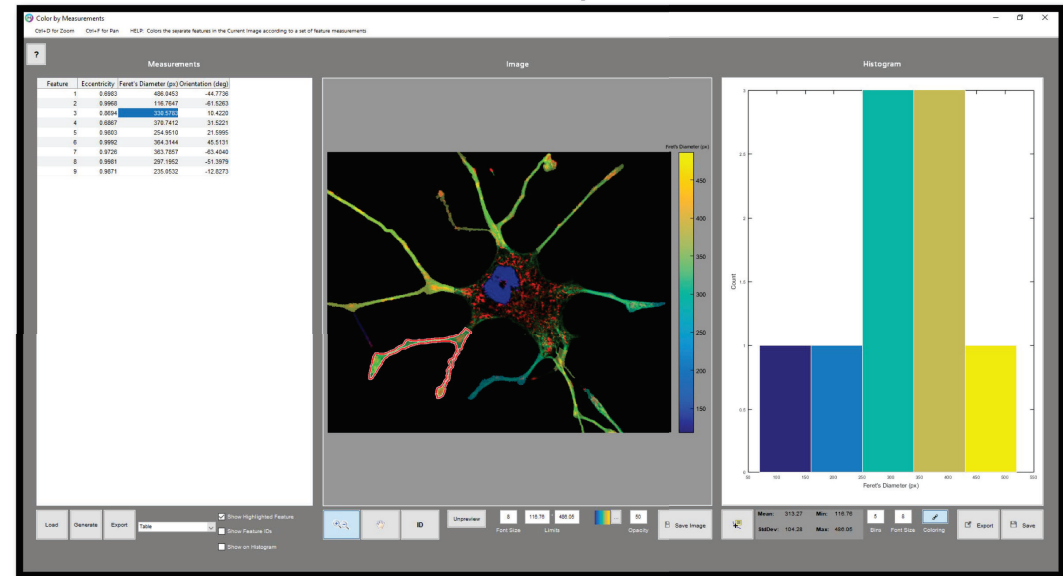
Immunofluorescent image is Segmented and Protein is counted per Nucleus

Original

Segmented



Neurites Colored by Measurement



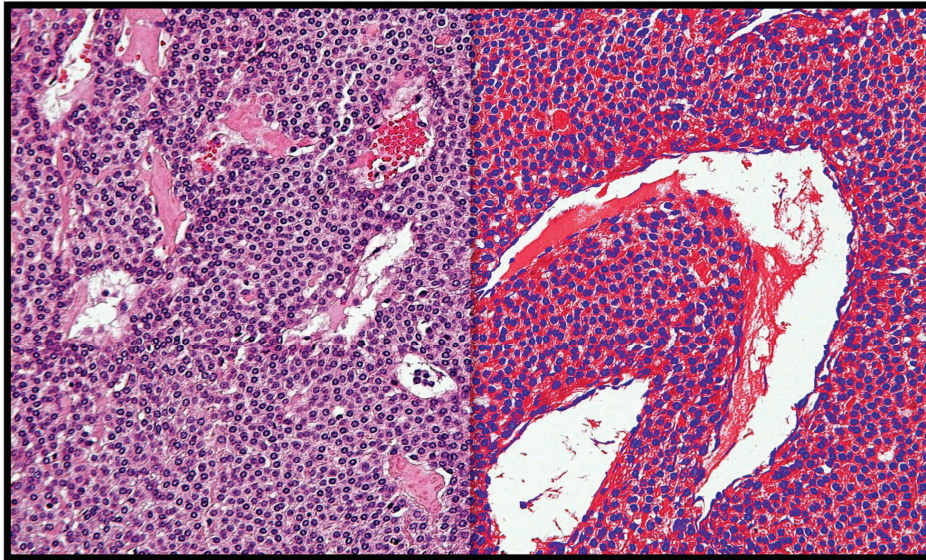
Neuronal Cell is Segmented into Nucleus, Cell Body and Neurites

H&E Analysis

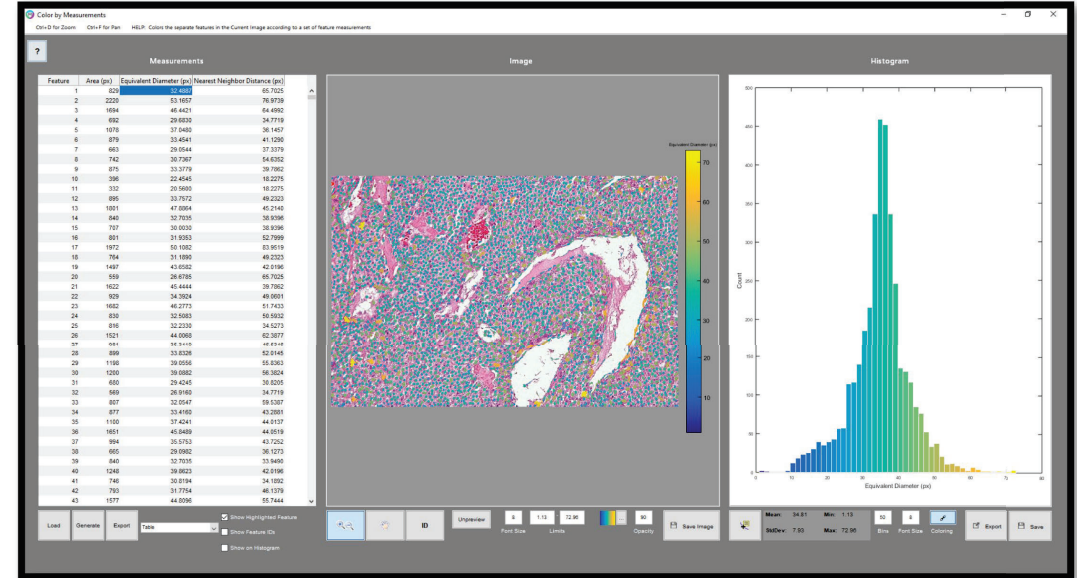
Immunofluorescence H&E Immunohistochemistry Phase Contrast Bacteria Cultures
Cell Count Morphology

Original

Segmented



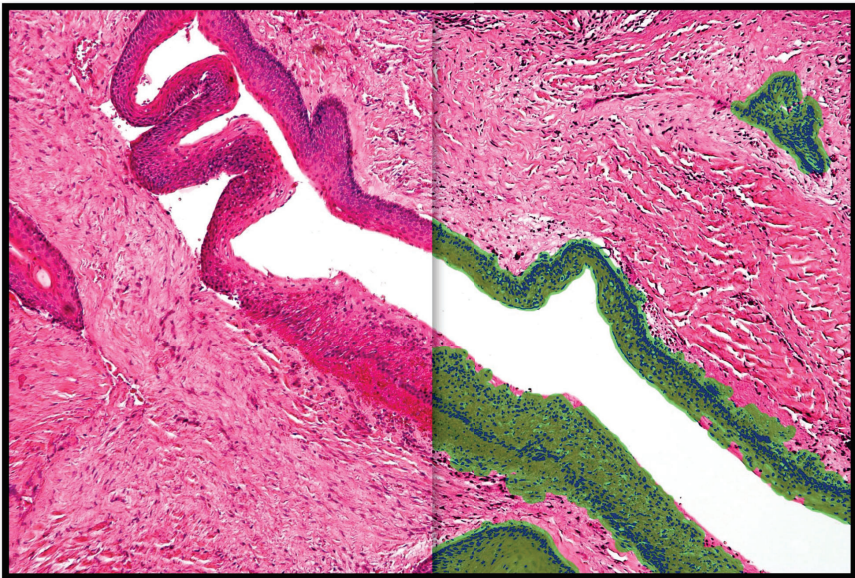
Cells Counted and Colored by Measurement



H&E Stained Tissue is Segmented into Tissue and Nuclei

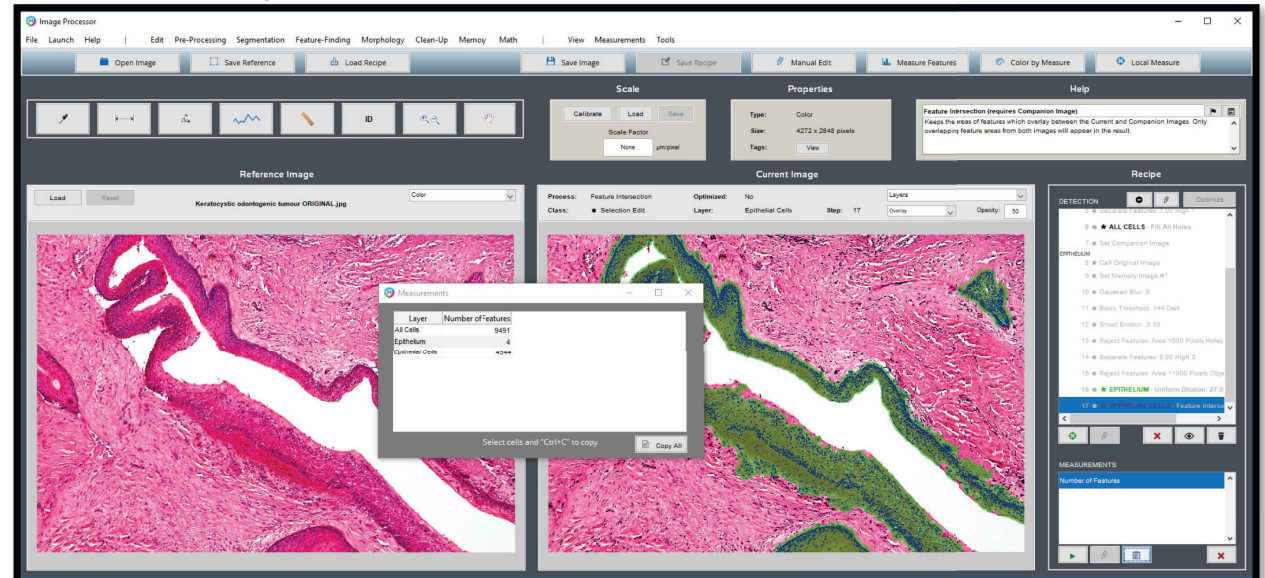
Immunofluorescence H&E Immunohistochemistry Phase Contrast Bacteria Cultures
Cell Count Morphology

Original



Segmented

Epithelium Selected and Cells Counted

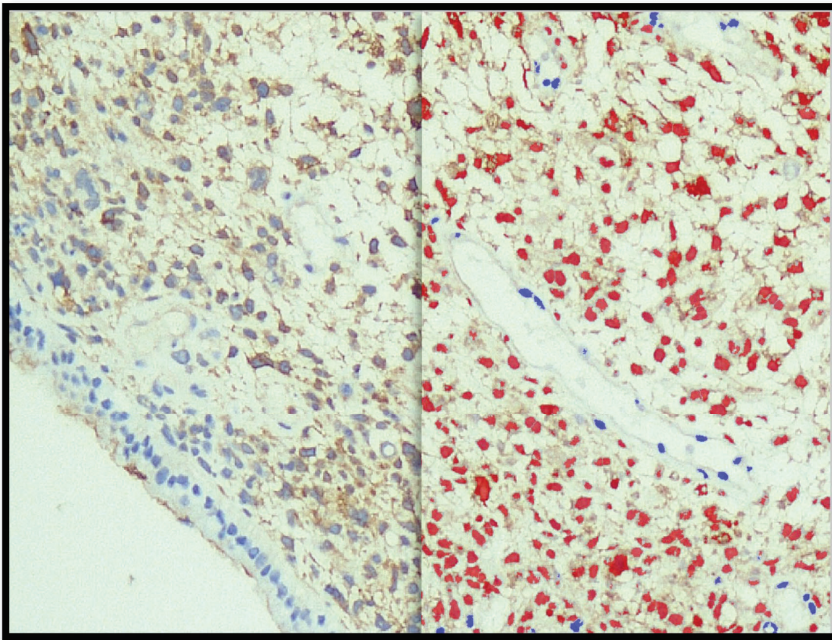


H&E Stained Tissue is Segmented and Tissue Specific Cells Are Identified

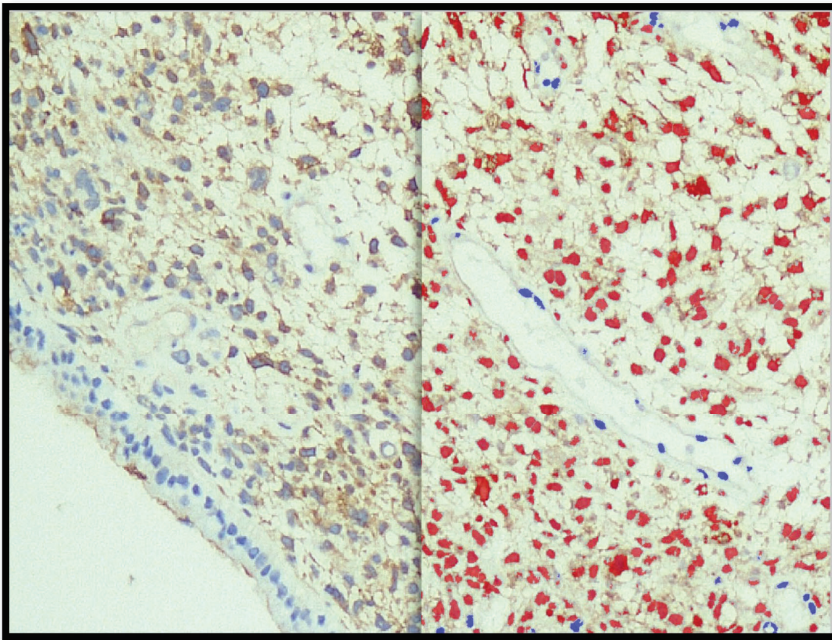
Immunohistochemistry

Immunofluorescence H&E Immunohistochemistry Phase Contrast Bacteria Cultures
Cell Count Positivity Analysis

Original



Segmented



Positive Cells Counted

The screenshot shows the Image Processor software interface. The main window displays the segmented image. A 'Measurements' dialog box is open, showing the following data:

Layer	Number of Features
Positive Cells	872
Negative Cells	124

The software interface also includes a 'Recipe' panel on the right, detailing the processing steps used for segmentation, such as 'Adjust Contrast', 'Basic Threshold', and 'Rajed Features'.

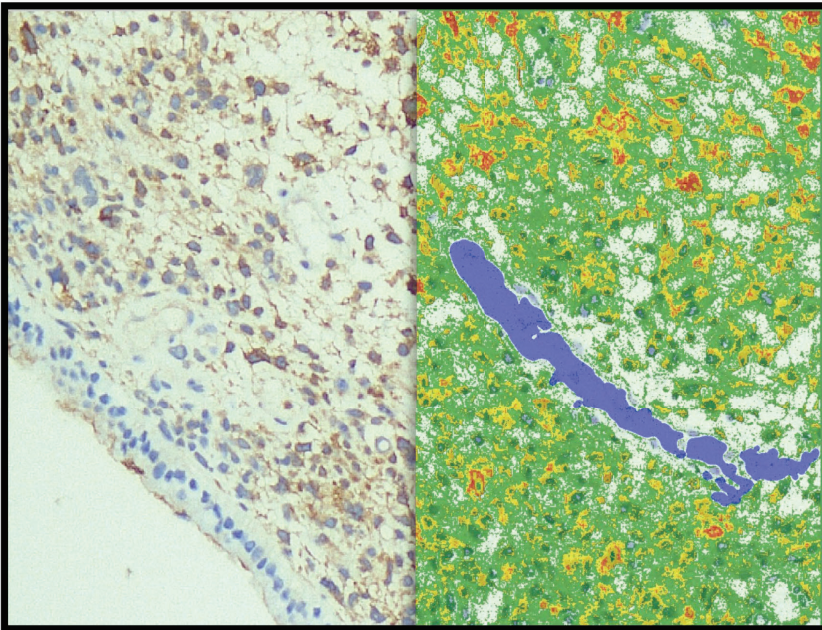
HDAB Stained Tissue is Segmented and Positive Cells Are Identified

Immunofluorescence H&E Immunohistochemistry Phase Contrast Bacteria Cultures

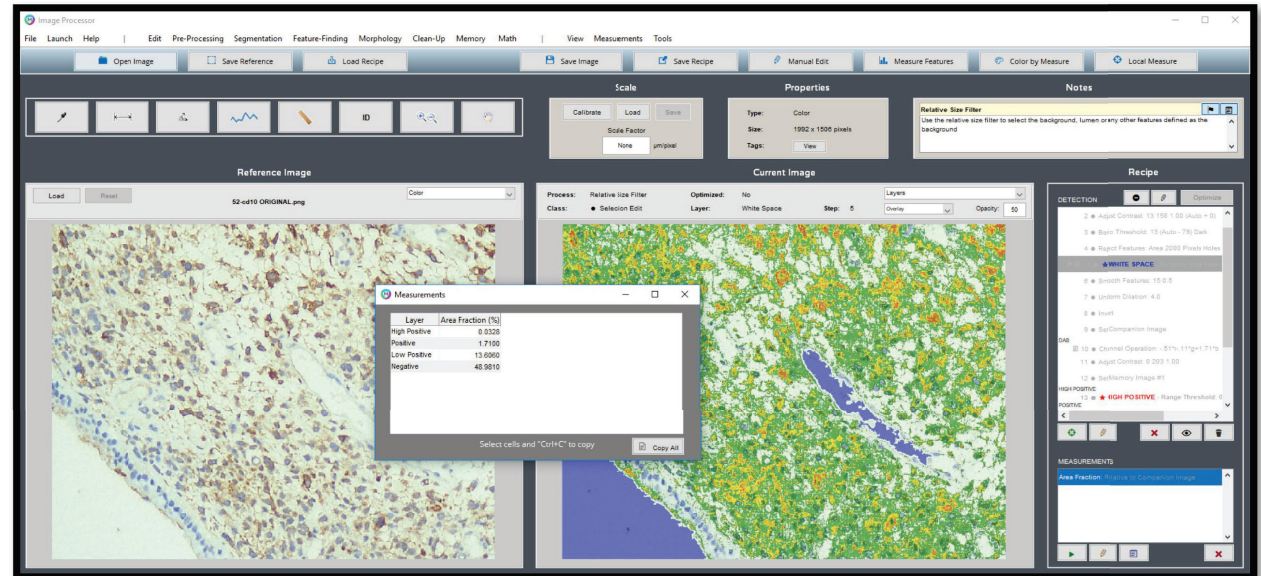
Cell Count Positivity Analysis

Original

Segmented



Positive Tissue Quantified

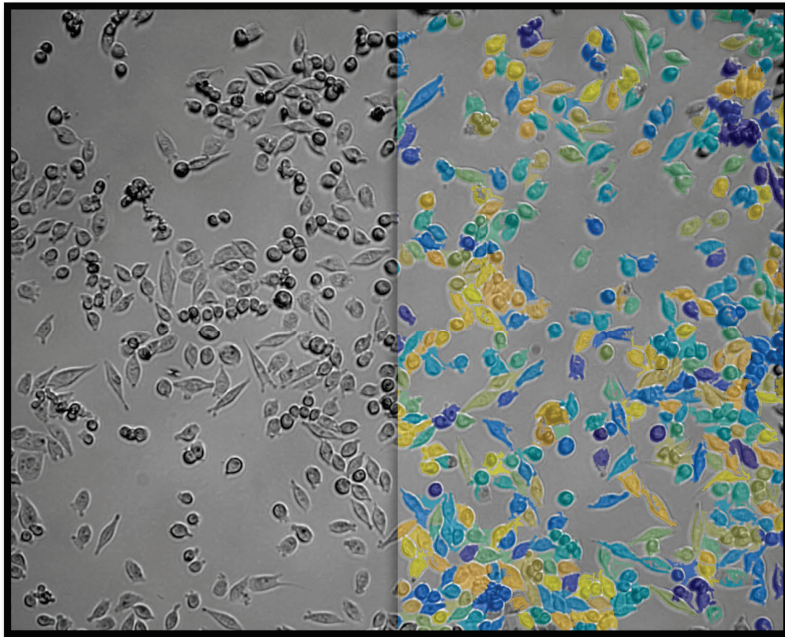


HDAB Stained Tissue is Segmented and Positively Stained Tissue is Quantified

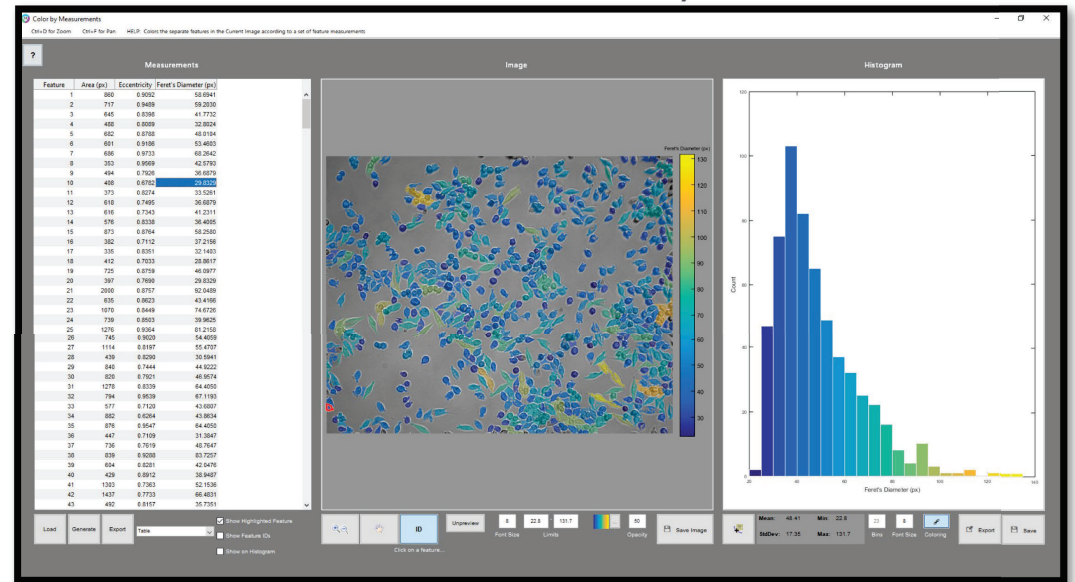
Phase Contrast Analysis

Original

Segmented



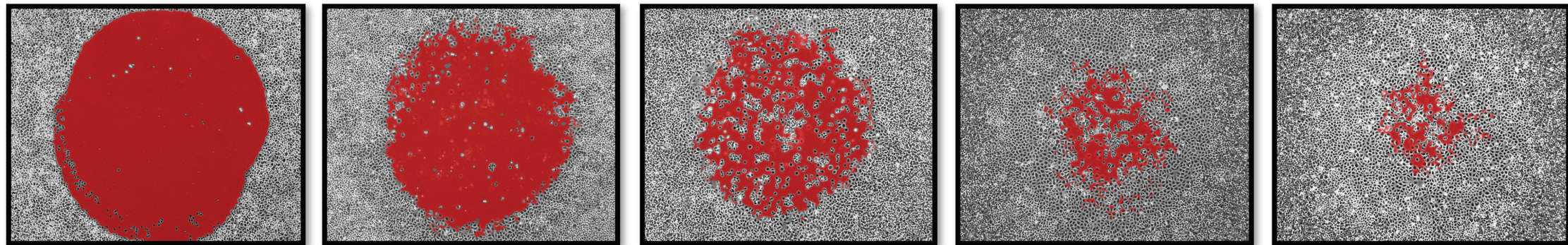
Cells Counted and Colored by Measurement



Phase Contrast Image is Segmented and Cells Measured

Immunofluorescence H&E Immunohistochemistry **Phase Contrast** Bacteria Cultures
Cell Count **Wound Healing**

Wound Healing Assay



Time Series

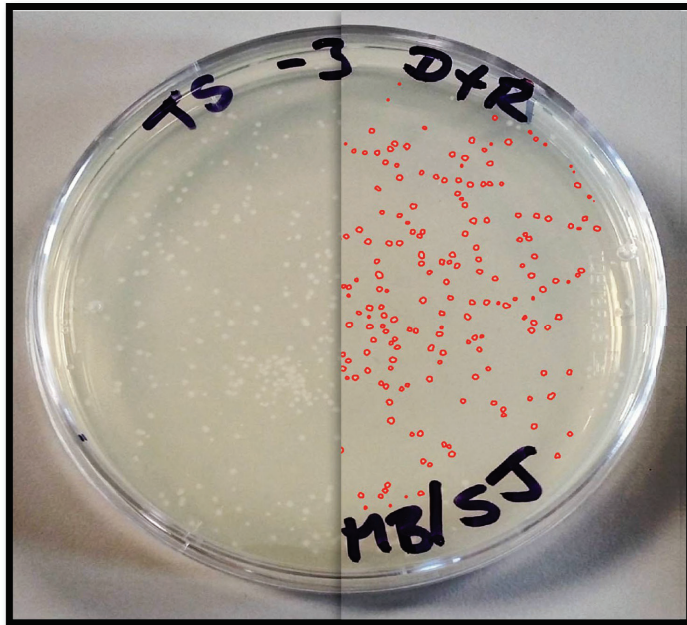
Phase Contrast Wound Healing Assay is Segmented and Quantified

Bacteria Cultures

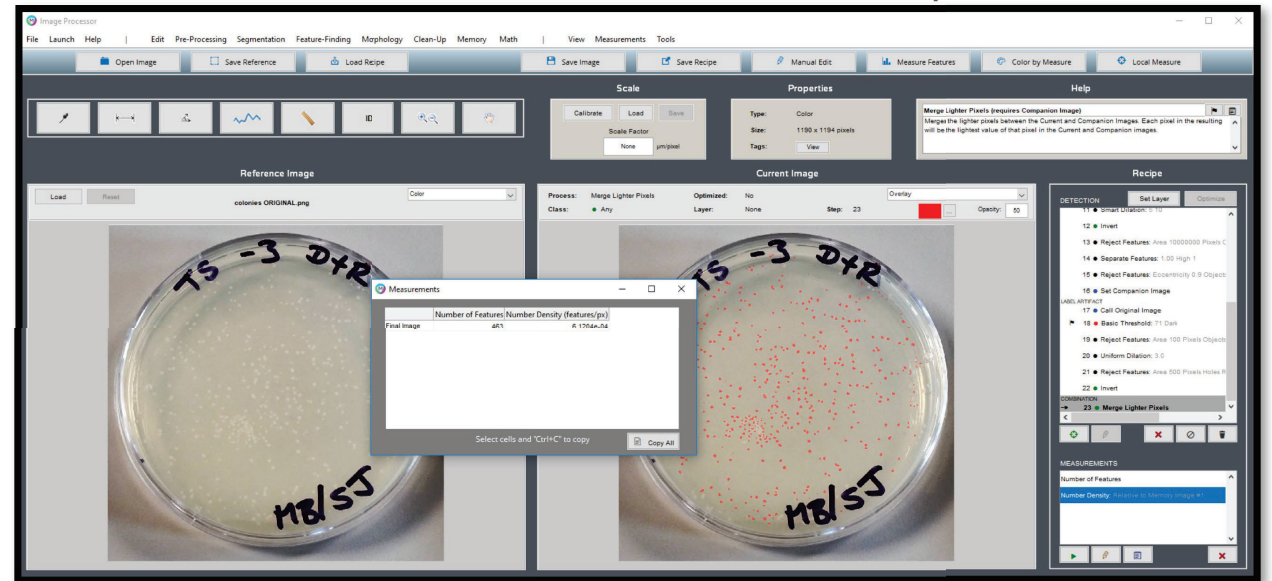
Immunofluorescence H&E Immunohistochemistry Phase Contrast **Bacteria Cultures**

Colony Count Colony Density

Original Segmented



Colonies Counted and Number Density Generated



Camera Image is Segmented and Bacterial Colonies are Identified

Immunofluorescence H&E Immunohistochemistry Phase Contrast **Bacteria Cultures**

Colony Count **Colony Density**

Original

Segmented



Colonies Counted and Cell Density Generated

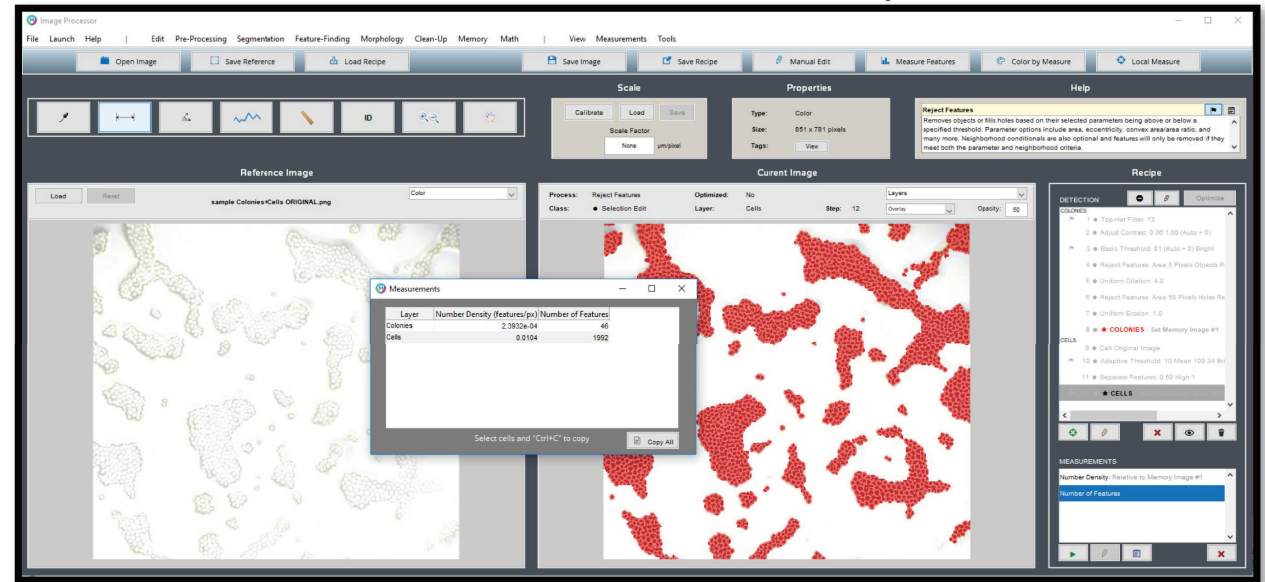


Image is Segmented and Bacterial Colonies are Identified

Batch Processing & Review

Batch Processing

Raw Images



Batch Process Engine

Batch Processor

File Launch Help

Recipe

Load None

DETECTION

- 1 Channel Operator
- 2 Adjust Contrast: 0
- 3 TISSUE - Basic
- 4 Channel Operator

Image Type

Grayscale

Mag Calibration

AOI Tracking

Tilt Correction

Alignment

Stacking

Reconstruction

PROGRESS

Status: Complete
Current Process: Complete

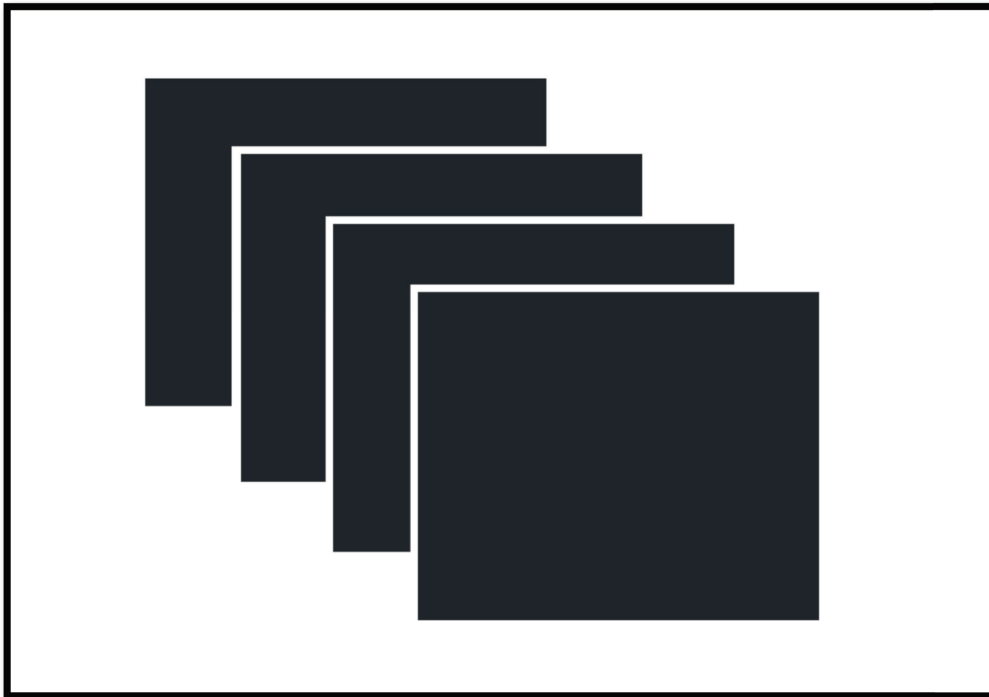
Percent Complete: 100%
On Image: 7 / 7
Time Remaining: Complete

PROCESS

Cancel Review Processed Images Launch 3D Toolbox

Batch Reviewing

Batch Processed Images



Batch Quality Assurance Interface

