



## 1. Main axes:

- Click and drag to zoom/pan view
- Scatter shows all nuclei colored by fluorescence measure
- Use checkboxes to overlay images and cell/nuclei boundaries

## 2. Thumbnail Axes:

- Shows nuclei density across the entire scan
- Rectangle corresponds to the position displayed in the main axes
- Drag rectangle or double click to change positions

## 3. Centroid List:

- Fluorescence quantification for all nuclei/cells (ranked high to low)
- Use radiobuttons (below) to select quantification metric
- Double click on value to move to corresponding cell
- Use up/down arrow keys to move through list

## 4. Quantification:

- Adjust quantification metric used to rank cells in centroid list.

## 5. Checkboxes:

- Toggle plot settings for main axes

## 6. Sliders:

- Adjust contrast of the fluorescence image in the main axes

## 7. Channel drop-down:

- Change current fluorescence channel

## 8. Colormap drop-down:

- Change colormap for scatter plot in main axes

## 9. Selection tool:

- Choose how you would like to select objects to delete

## 10. Zoom and pan view:

- While in zoom mode, click and drag on main axes to zoom-in
- While in pan view mode, click and drag to move through scan
- Right click to zoom-out by 2X
- Double click to return to home view

## 11. Buttons:

- Use shuffle colors (left) to change cell and nuclei colors in main axes
- Use save/export (left) to save boundaries tables and IFQuantTable
- Use add buttons (middle) to draw new nuclei and cells
- Use mask cells button (middle) to mask cells
- Use mask image button (middle) to mask area in current channel
- Use delete buttons (right) to remove objects
- Press **Enter** to complete operation