



- 1. Main axes:**
 - Click and drag to zoom/pan view
 - Scatter shows all nuclei colored by spot count
 - Use DAPI+FISH overlay to mask spots & create/delete cells
- 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:**
 - Spot counts for all nuclei (ranked high to low)
 - Double click on value to move to corresponding cell
 - Use up/down arrow keys to move through list
- 4. Sliders:**
 - Adjust contrast of the FISH image in main axes
- 5. Checkbox:**
 - Toggle plot settings for main axes
- 6. Channel drop-down:**
 - Change current FISH channels
- 7. Colormap drop-down:**
 - Change colormap for scatter plot in main axes
- 8. Shuffle colors:**
 - Change spot and centroid colors in main axes
- 9. Save and export:**
 - Save spot, nuclei, and mask tables
 - Export spot summary table (spots per nucleus)
- 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. Add/delete masks and nuclei:**
 - Mask spots in current channel or mask nuclei for all channels
 - Delete erroneous nuclei and add missing nuclei
 - Press **Enter** to complete operation
 - If nucleus is masked/added/deleted, spots in view will be reassigned
- 12. Threshold axes:**
 - Drag vertical blue line to set spot intensity threshold
 - Or use text box in upper right corner