



- 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
  - 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