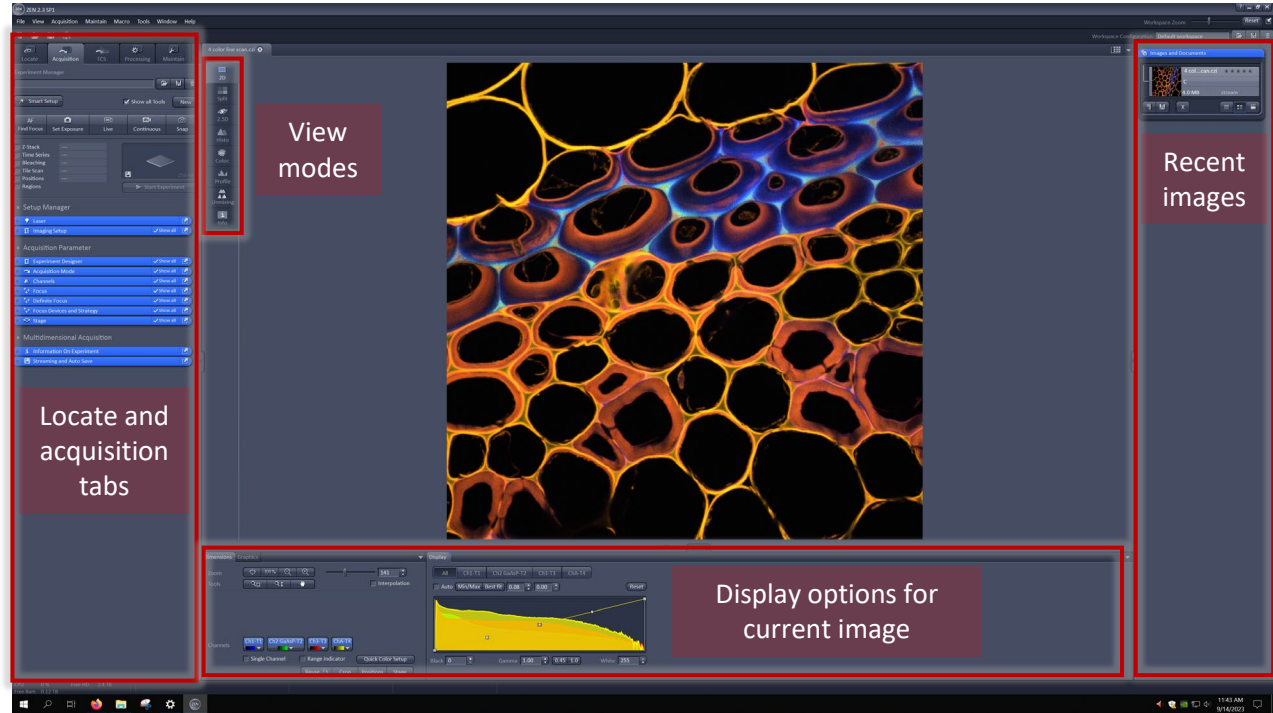


# ZEN software cheat sheet

## ZEN workspace:



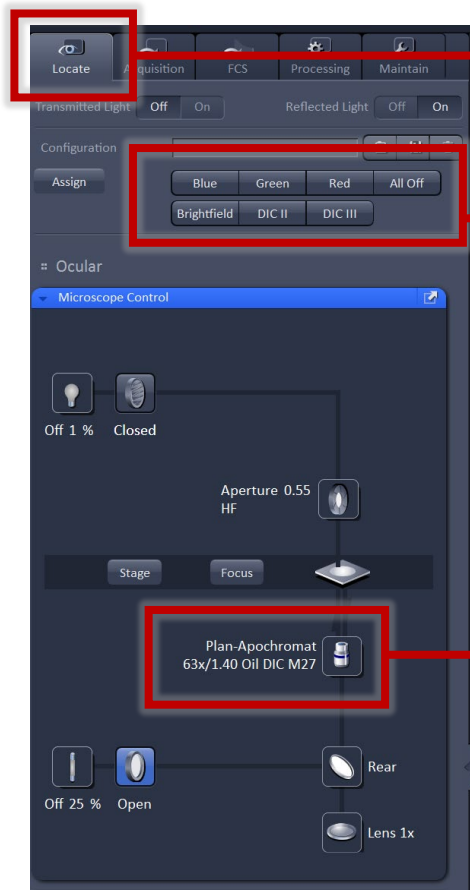
## Display options:



Click "Reuse" to load settings used when open image was taken.

Turn on range indicator to check for black pixels (blue) and overexposed (red) pixels when adjusting digital offset, laser power, and gain.

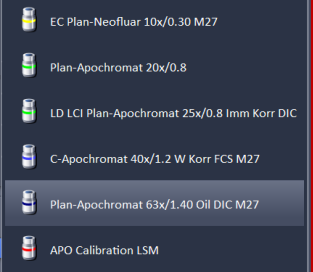
## Locate tab:



Use Locate tab for looking through eyepieces to focus.

Select color to view through eyepieces. "All Off" turns off light.

Select objective



# Acquisition tab:

Use Acquisition tab to set microscope settings and capture images.

Toggle live preview

Select imaging options (will open additional blue dropdown menus)

Acquisition Mode

Objective: Plan-Apochromat 63x/1.40 Oil DIC M27

Scan Mode: Frame

Frame Size: X 1024 Y 1024

Line Step: 1

Speed: 7

Averaging: Number 1, Bit Depth 8 Bit, Mode Line, Method Mean

Scan Area: Image Size 135.0 μm x 135.0 μm, Pixel Size 0.13 μm, Zoom 1.0

Use the Acquisition Mode menu to set resolution, scan speed, averaging, bit depth, and zoom.

Locate Acquisition FCS Processing Maintain

Experiment Manager

Smart Setup Show all Tools New

AF Find Focus Set Exposure Live Continuous Snap

Z-Stack Time Series Bleaching Tile Scan Positions Regions

Start Experiment

Setup Manager: Laser, Imaging Setup

Acquisition Parameter: Experiment Decider, Acquisition Mode, Channels, Focus, Definite Focus, Focus Devices and Strategy, Stage

Multidimensional Acquisition: Information On Experiment, Streaming and Auto Save

CPU 0% Free HD 2.4 TB Free Ram 0.12 TB

Load core presets if you're not re-using settings from an existing image

Take single picture at current position

Start full image acquisition

Laser Properties

Laser	Laser Lines [nm]	Power
Argon	458, 488, 514	On
Diode 405-30	405	On
DPSS 561-10	561	On
HeNe633	633	On

Turn on lasers on startup. Argon laser can't be used while highlighted red.

Channels

Tracks	Channels
405	DAPI
488	A488
561	A568
633	ChA

Track Configuration: Farred

561 - LSM

Lasers: 405 458 488 514 561 633

561 nm Pinhole: 55.8

A568 Mode: Integration Photon Counting

Gain (Master): 725 Digital Offset: 2 Digital Gain: 1.0

Use the channels menu to set laser power, gain, pinhole size, and digital offset for each color.