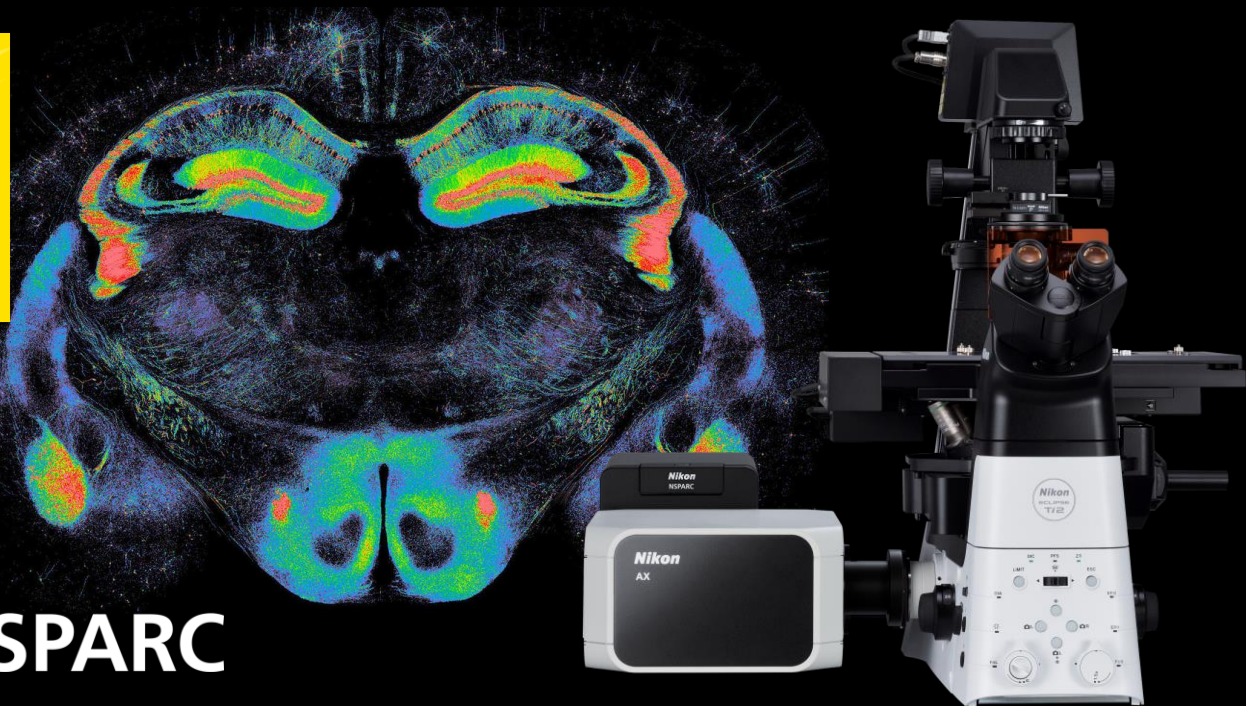




AXR with NSPARC



UAB HRIF presents the Nikon AXR Confocal w/NSPARC

Seminar: August 29, 2023 | 10:00am

Shelby 105

Demonstration: August 30-31, 2023

Shelby 136

FAST, HIGH-RESOLUTION IMAGING

- Resonant scanner capable of 2k x 2k @ 7.5 FPS, 1k x 1k @ 15FPS, 512 x 512 @ 30FPS
 - Fast and gentle for live-cell imaging at high resolution
- Galvano scanner resolution up to 8k x 8k
 - Achieve maximal resolution at low magnification – no need to tile!

NIKON SPATIAL ARRAY CONFOCAL (NSPARC) DETECTOR

- Ultra-low noise and single-photon sensitivity
- Achieve super resolution beyond theoretical limits
- Low excitation power requirements for live-cell imaging

DEMO REGISTRATION

UNMATCHED FIELD-OF-VIEW

- 25mm FOV on upright and inverted microscopes
- Capture more data faster, or fit an entire specimen in one image

ARTIFICIAL INTELLIGENCE TOOLS

- New! Autosignal.ai for automatic image parameter set-up
- Denoise.ai and Enhance.ai for optimizing low signal:noise images
- Convert.ai for predicting second channel pattern based on first
- Segment.ai for auto-thresholding structures of interest



For additional information, please contact your local Nikon representative.

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