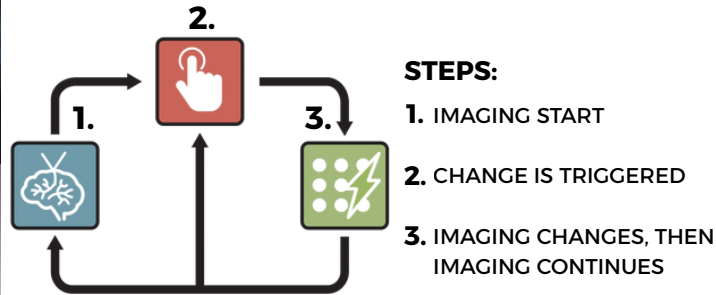
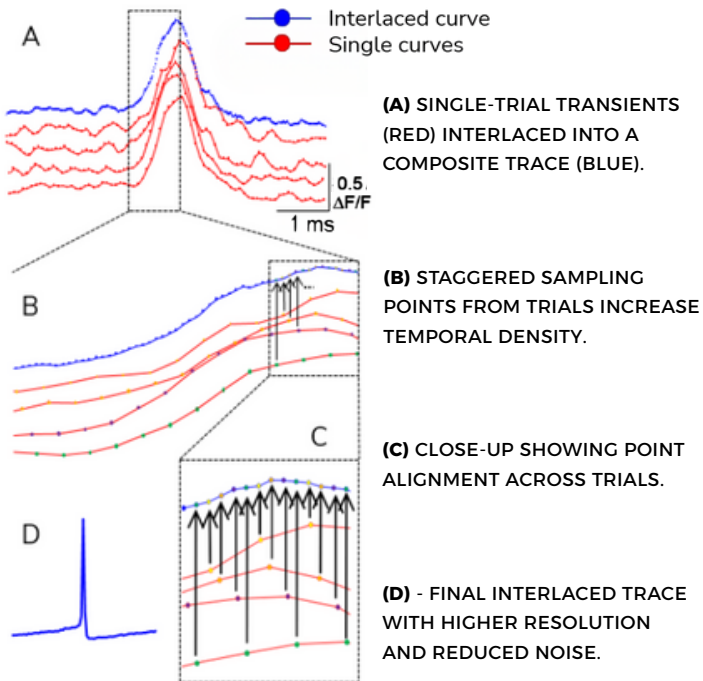


CLOSED-LOOP MEASUREMENTS

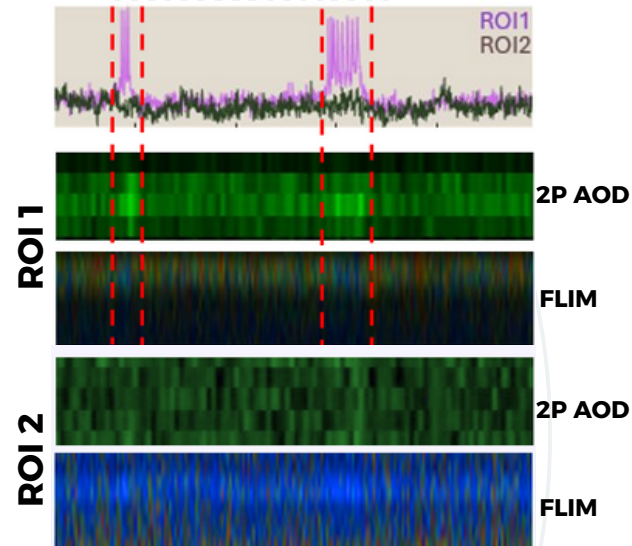


CLOSED-LOOP IMAGING CONCERNS CHANGING IMAGING SETTINGS DATA DURING THE MEASUREMENT. IT CAN BE A BUTTONPUSH, A BEHAVIOR CHANGE, OR ANYTHING IN BETWEEN. IT CAN EFFECT PHOTOSTIMULATION OR IMAGING PATTERN, CHANGING IMAGING REGION, OR ANYTHING YOU CAN IMAGINE

SUB-INTERVAL TEMPORAL MAGNIFICATION



IN VIVO FLIM + VOLTAGE



SIMULTANEOUS FLIM AND VOLTAGE MEASUREMENT IN VIVO. RO11 SHOWS SIGNALS WITH BOTH IMAGING TECHNIQUES SIMULTANEOUSLY, WHILE RO12 STAYS SILENT TOGETHER.

LOOKING FOR **INNOVATIVE** SOLUTIONS?



3X INNOVATION AWARD

INFO@FEMTONICS.EU
WWW.FEMTONICS.EU



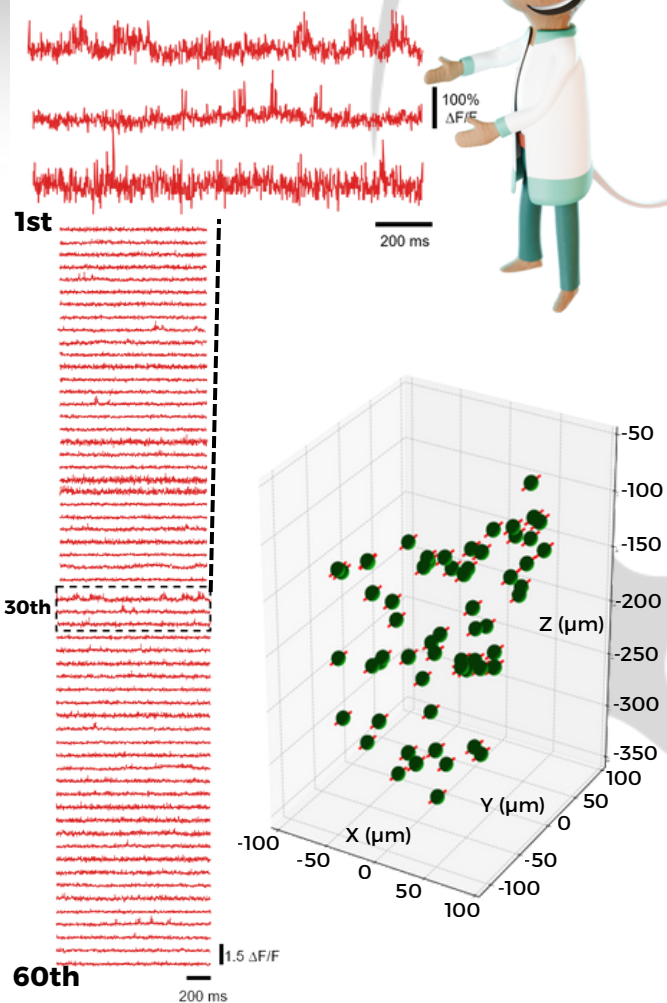
THINKING AHEAD
FEMTONICS
MICROSCOPY

OUR NEW
DEVELOPMENTS

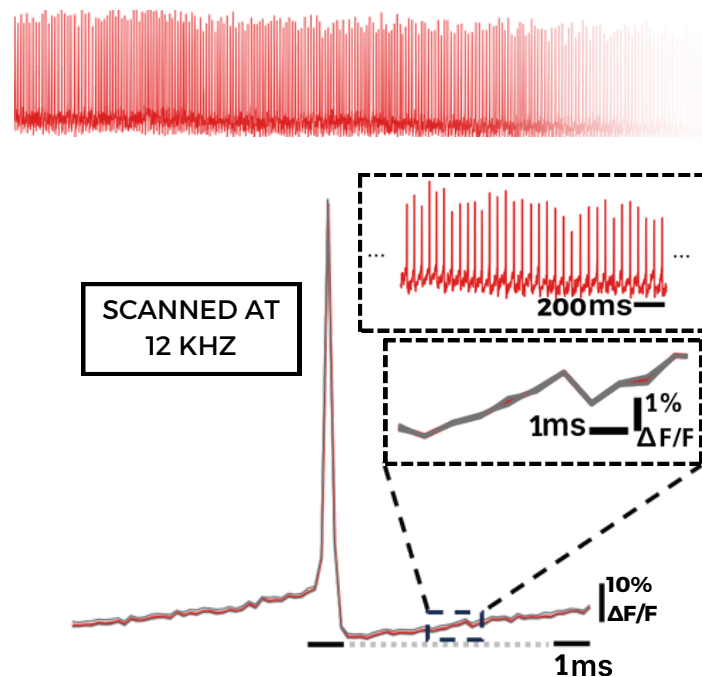
3D VOLTAGE IMAGING

ADVANCEMENTS

- SCANNING AT OVER 100 KHZ
- TEMPORAL SUPER RESOLUTION
- 3D REAL-TIME MOTION CORRECTION
- ADVANCED ROI SCANNING
- UNPARALLEL SNR
- SUBTHRESHOLD SIGNALS
- 6 DEGREES OF FREEDOM



TEMPORAL SUPER RESOLUTION



RECENT PUBLICATIONS

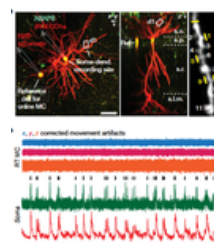
MOCULUS: AN IMMERSIVE VIRTUAL REALITY SYSTEM FOR MICE INCORPORATING STEREO VISION

JUDÁK, L., DOBOS, G., ÓCSAI, K. ET AL.
NAT METHODS 22, 386-398 (2025).



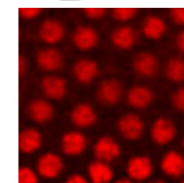
SYNAPTIC BASIS OF FEATURE SELECTIVITY IN HIPPOCAMPAL NEURONS

GONZALEZ, K.C., NEGREAN, A., LIAO, Z.
ET AL. NATURE 637, 1152-1160 (2025).

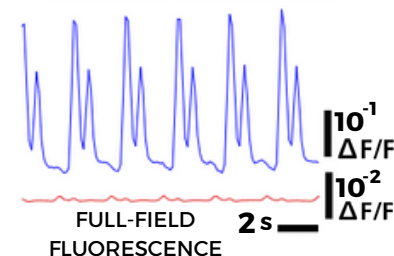


P&P TOUR HIGHLIGHTS

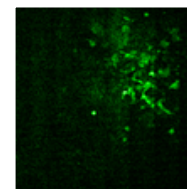
MITOSIS IN FRUITFLY



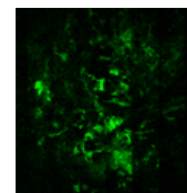
A HEARTSTOPPER PERFORMANCE!



SYSTOLE

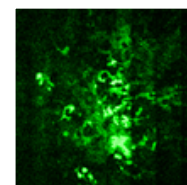


DIASTOLE

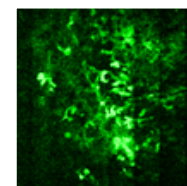


WITHOUT 3D-RTMC

SYSTOLE



DIASTOLE



WITH 3D-RTMC

