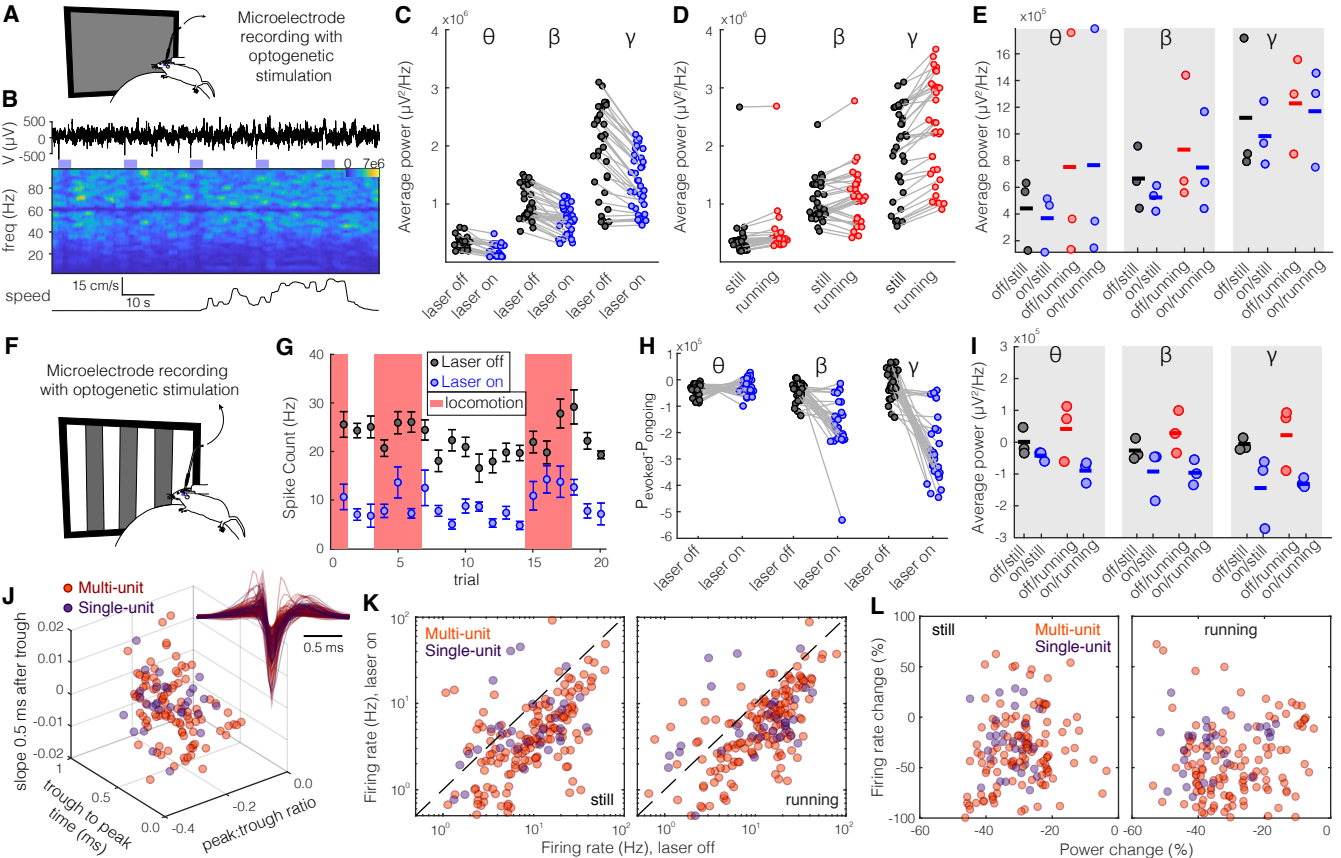
A
Microelectrode recording with optogenetic stimulation
B
V (μV)
freq (Hz)
speed
15 cm/s
10 s
C
θ
β
γ
Average power (μV²/Hz)
laser off
laser on
D
still
running
E
off/still
on/still
off/running
on/running
F
Microelectrode recording with optogenetic stimulation
G
Laser off
Laser on
locomotion
Spike Count (Hz)
trial
H
P evoked P ongoing
I
J
Multi-unit
Single-unit
0.5 ms
slope 0.5 ms after trough
trough to peak time (ms)
peak:trough ratio
K
Firing rate (Hz), laser on
Firing rate (Hz), laser off
still
running
L
Firing rate change (%)
Power change (%)