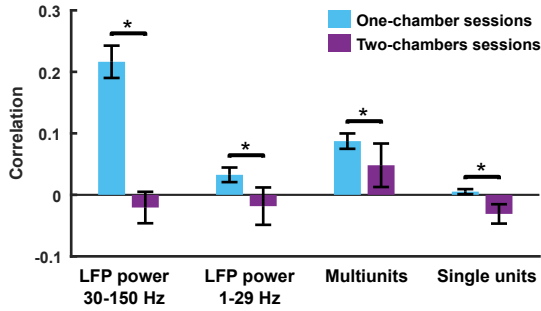**A** Behavior-matched time periods from one-chamber and two-chambers sessions
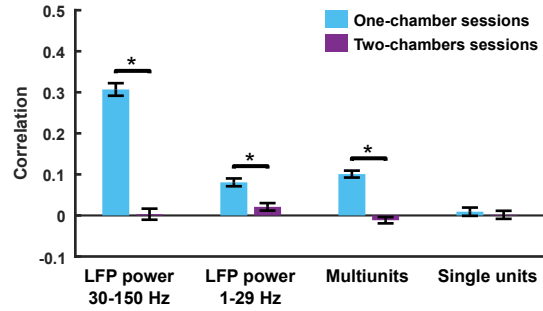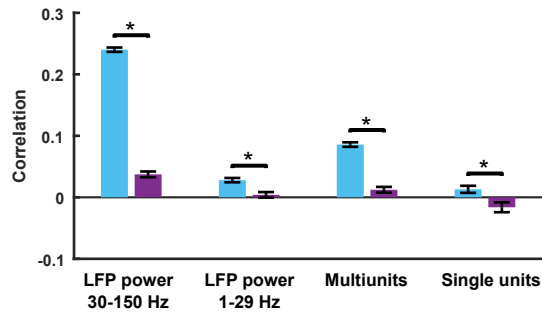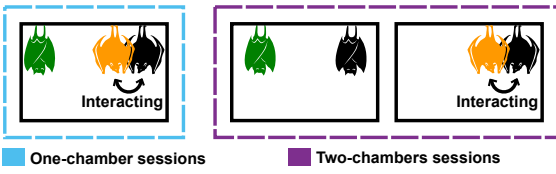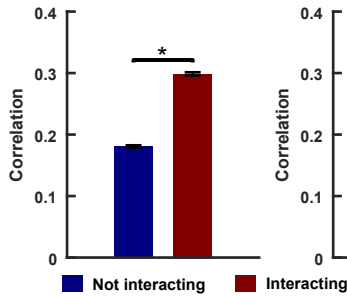
B Behaviorial-sequence-matched time periods from one-chamber and two-chambers sessions
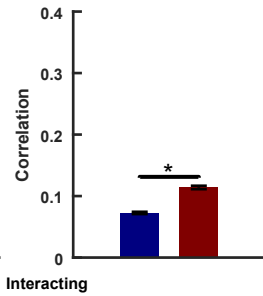
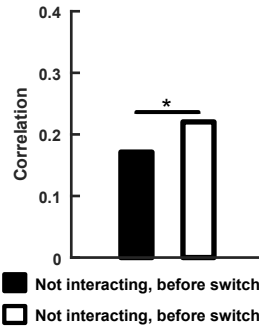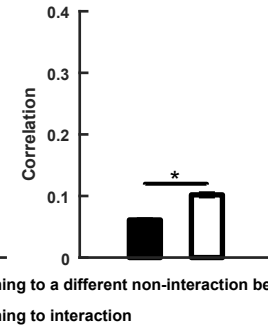**C** One neural bat interacting with a non-neural bat, the other neural bat not interacting

One-chamber sessions   Two-chambers sessions

D LFP power, 30-150 Hz

E Multiunits

Not interacting   Interacting

F LFP power, 30-150 Hz

G Multiunits

Not interacting, before switching to a different non-interaction behavior
Not interacting, before switching to interaction

H LFP power, 30-150 Hz

I Multiunits

Interacting, before switching to a non-interaction behavior
Interacting, before switching to a different interaction behavior
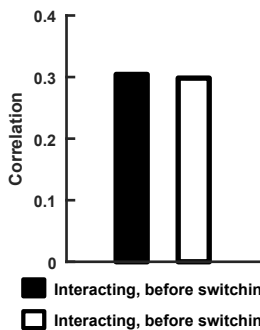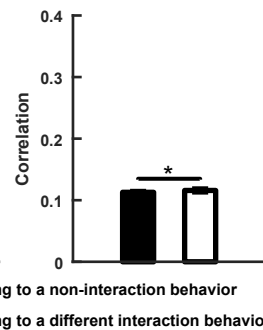
J LFP power, 30-150 Hz

K Multiunits

Interacting, before switching to a non-interaction behavior
Interacting, before switching to a different interaction behavior