**Date: 3/18/2024**

**Goal: stim FN: minimal protocol**

**Mouse: R19**

**Condition:anes**

**Probe: 12157 (Buz 32L)**

**Recording time: 1-2PM**

Left craniotomy, FN

Shank1- shank 4: left-right to 5250 um with undiluted DiI

Rig1 computer:

Video folder: C:\Users\houlab\Documents\Behavior video\20240318\_R19\_stim\_rig1

Ephys folder: C:\Users\houlab\Desktop\Ephys\_Data\20240318\_R19

Grid:

Z:\Xinyan\ephys\_data\20240318\_R19 (ephys and video by each trial)

(or Z:\Behavior\20240318\_R19\_stim\_rig1 for just video recording)

Ephys 1- Video 001

Time:30 s

Depth: 5250 um

Active channel:

Stim: A5 (shank 1, lowest), 10000 us, 10 uA, single

Respond channel:

Behavior: NONE

Ephys2- Video 002

Time:70 s

Depth: 5250 um

Active channel:

Stim: A13(shank 2, lowest), 10000 US, 10uA, single

Respond channel:

Behavior: nose, whisker

Ephys 3- Video 003

Time:60 s

Depth: 5250 um

Active channel:

Stim: A21(shank 3, lowest), 10000 us, 10uA, single

Respond channel:

Behavior: nose, whisker

Ephys 4- Video 004

Time:50 s

Depth: 5250 um

Active channel:

Stim: A29(shank 4, lowest), 10000 us, 10uA, single

Respond channel:

Behavior: whisker only

Ephys 5- Video 005

Time:50 s

Depth: 5250 um

Active channel:

Stim: A1(shank 1 hightest), single, 10000 us, 10uA, single

Respond channel:

Behavior:blink?(can see light spot around left lower eyelid move) Very,very little

Ephys 6- Video 006

Time:60 s

Depth: 5250 um

Active channel:

Stim: A9(shank 2 hightest), single, 10000 us, 10uA, single

Respond channel:

Behavior: nose, whisker

Ephys 7 Video 007

Time:50 s

Depth: 5250 um

Active channel:

Stim: A17(shank 3 hightest), 10000 us, 10uA, single

Respond channel:

Behavior: nose, whisker

Ephys 8- Video 008

Time:70 s

Depth: 5250 um

Active channel:

Stim: A25(shank 4, hightest), 10000 us, 10uA, single

Respond channel:

Behavior: whisker, nose(very little)

Ephys 9- Video 009

Time:20 s

Depth:5250 um

Active channel:

Stim: all, 50Hz, 1000 us, 1 uA, train(50)

Respond channel:

Behavior: ear, eye, mouth, very big move, maybe too strong

Ephys 10- Video 010

Time:30 s

Depth:5250 um

Active channel:

Stim: all, 25Hz, 1000 us, 1 uA, train(50)

Respond channel:

Behavior:eye and whisker

Note: start to see a little difference across different sites, though these facial move are very little (mostly whiskering, some a little nose move) that might be hard to capture by eye

