**Date: 3/15/2024**

**Goal: 1. Function map with minimal protocol;2. frequency**

**Mouse: R19**

**Condition:anes**

**Probe: 1197F (A4x8)**

**Recording time: 11-12PM**

right craniotomy

Shank1- shank 4: A-P to 5250 um with undiluted DiI

1.fre

Stim : train, duration (100us negative, 100us positive), 2uA, al 32 channels

Video folder: C:\Users\houlab\Documents\Behavior video\20240315\_R19\_stim\_rig1

Ephys folder: C:\Users\houlab\Desktop\Ephys\_Data\20240315\_R19

Ephys 2- Video 002

Time:30 s

Depth: 5250 um

Active channel:

Stim: period 200,000 us, number=10

Respond channel:

Behavior: ear ,whisker shake

Ephys 3- Video 003

Time:30 s

Depth: 5250 um

Active channel:

Stim: period 100,000 us, number=20

Respond channel:

Behavior:ear ,whisker shake

Ephys 4- Video 004

Time:30 s

Depth: 5250 um

Active channel:

Stim: period 50,000 us, number=40

Respond channel:

Behavior:ear ,whisker shake

Ephys 5- Video 005

Time:30 s

Depth: 5250 um

Active channel:

Stim: period 33,333 us, number=60

Respond channel:

Behavior: ear shake, eye, whisker twist

Ephys6- Video 006

Time:30 s

Depth: 5250 um

Active channel:

Stim: period 25,000 us, number=80

Respond channel:

Behavior: ear shake, eye, whisker twist

Ephys 7- Video 007

Time:30 s

Depth: 5250 um

Active channel:

Stim: period 20,000 us, number=100

Respond channel:

Behavior: ear shake, eye, whisker twist

2. Exp: min

Stim : single pulse, duration (100us negative, 100us positive), 1uA, single channel

Video folder: C:\Users\houlab\Documents\Behavior video\20240315\_R19\_stim\_rig1

Ephys folder: C:\Users\houlab\Desktop\Ephys\_Data\20240315\_R19

Ephys 8- Video 008

Time:60 s

Depth: 5250 um

Active channel:

Stim: A9, 50HZ, train 100, 100 us,5 uA

Respond channel:

Behavior: ear

Ephys 8- Video 008

Time:30 s

Depth: 5250 um

Active channel:

Stim: A9, 50HZ, train 100, 100 us,5 uA

Respond channel:

Behavior: ear

Ephys 9- Video 009

Time:30 s

Depth: 5250 um

Active channel:

Stim: A17, 50HZ, train 100, 100 us,5 uA

Respond channel:

Behavior: ear move forward once

Ephys 10- Video 010

Time:30 s

Depth: 5250 um

Active channel:

Stim: A25, 50HZ, train 100, 100 us,5 uA

Respond channel:

Behavior: none

Ephys 11- Video 011

Time:30 s

Depth: 5250 um

Active channel:

Stim: A1, 50HZ, train 100, 100 us,5 uA

Respond channel:

Behavior: none

Note: