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Protocol status: Working

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In vivo Electrophysiology Protocol



In 2 collections

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ABSTRACT

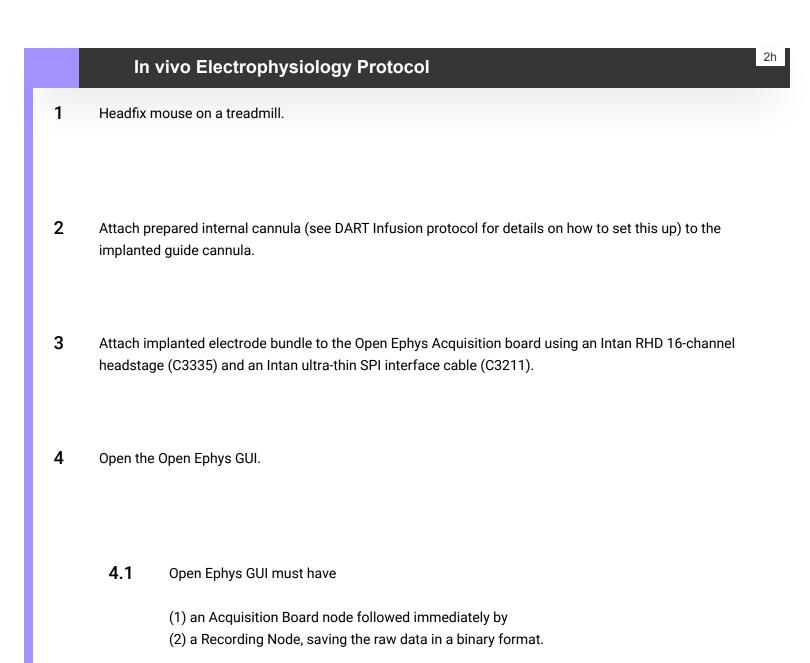
This protocol details the procedure used to collect extracellular single unit dopamine recordings for this paper.

MATERIALS

- Intan RHD 16-channel headstage (C3335)
- Intan ultra-thin SPI interface cable (C3211)

PROTOCOL integer ID: 98227

Keywords: ASAPCRN



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4.2 Optional: downstream in the processors graph, you can include a bandpass filter, common average reference node, LFP viewer, spike sorter, and spike viewer to view channels with spikes online during the recording.



- 1. Begin recording (press "Play" then "Record").
- 2. After 15 minutes of baseline recording, begin the infusion ($\underline{\underline{L}}$ 1.5 $\mu \underline{L}$ at $\underline{\underline{L}}$ 0.1 $\mu \underline{L}$ /min, taking 15 minutes).
- 3. After the infusion is complete, continue recording for 01:30:00, then stop the recording.
- 5. Return the mouse to its home cage to recover, and wait 2 weeks before recording again.