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Opto-negative reinforcement paradigm (Opto-NR)

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Protocol status: Working

We use this protocol and it's working

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Abstract

Opto-negative reinforcement paradigm (Opto-NR) in Serra et al 2023

Opto-negative reinforcement paradigm (Opto-NR)

- 1 Mice response was assessed by using operant conditioning boxes equipped with two nose-poke devices (MED-PC, Med Associates inc, Fairfax, USA) and laser for optogenetic stimulation
- 2 One device was defined as active, which when activated terminates the optogenetic stimulation schedule, while the other one was demarcated as inactive, which had no control over the laser.
- 3 The presentation of the optogenetic stimulations (10 s) were alternated with variable-time intervals, when no stimulation was applied.
- 4 An active nose-poke (FR1) at any point during this pre-stimulation interval or during the stimulation epoch itself terminates the optogenetic stimulation schedule and produces a visible safety signal (house light ON) that marks a period of safety.