

Procedures for Starting a New Mouse

Arduino

- ✓ Copy initial files for this protocol to **SD card**, insert it into Teensy;
- ✓ Switch **OFF** and Upload **Arduino program** for this protocol;
- ✓ **Flush** to make sure water is coming out from all lick ports.

MATLAB

- ✓ Fill in **mouse name**, chose **start date**, then click 'open' button;
- ✓ In left panel, 'Choose a cage' from the dropdown menu;
- ✓ Make sure the **current time** read is correct, otherwise click 'Correct Time' button;
- ✓ **Tare** weight when no object is on weight platform;
- ✓ Put the 20-g-weight on the platform then click 'Cali (20g)' button;
- ✓ Click 'Save Paras' button to save the current GUI information.

Home-cage

- ✓ Put **bedding**, **food (for 1 week)**, **cotton** and **entertainment tube** into the cage;
- ✓ **Weight** the mouse and Put it in the cage;
- ✓ Switch **ON** to start a new mouse for this protocol;
- ✓ Fill the information into the 'Start New Mouse' **Table**.

During Training

- ✓ Pause system before removing SD card;
- ✓ Pause system before restart; After restart, click 'Correct Time' button in MATLAB;