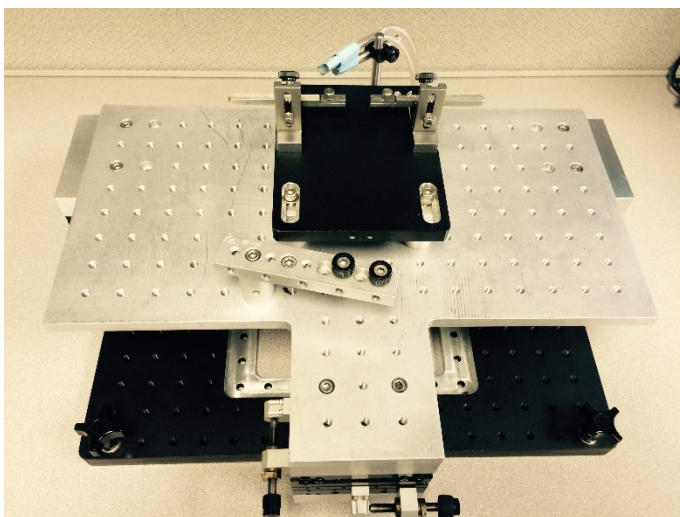
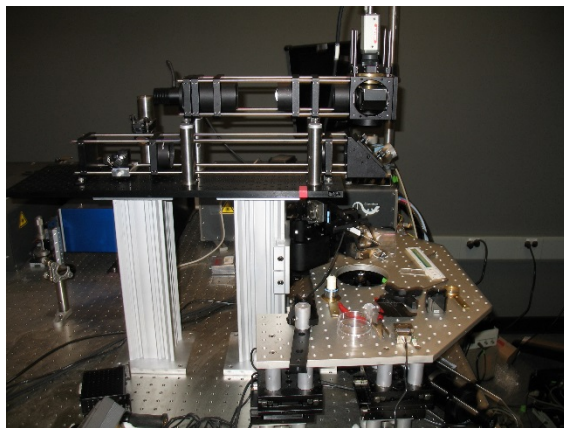
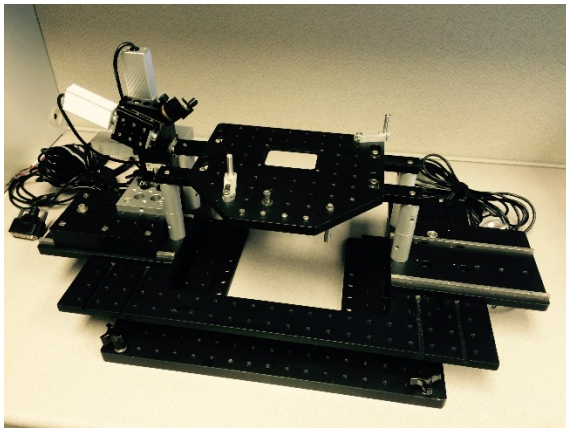


## Sample Fabrications Made by the Neuroscience Machine Shop

This document includes a partial listing of items that have been fabricated by the Neuroscience Machine Shop, focusing on items that are likely to be of general interest. More specialized equipment can also be designed and constructed. For further information on equipment illustrated here, or to discuss more specialized needs, contact Terry Shelley ([tshelle1@jhmi.edu](mailto:tshelle1@jhmi.edu)).

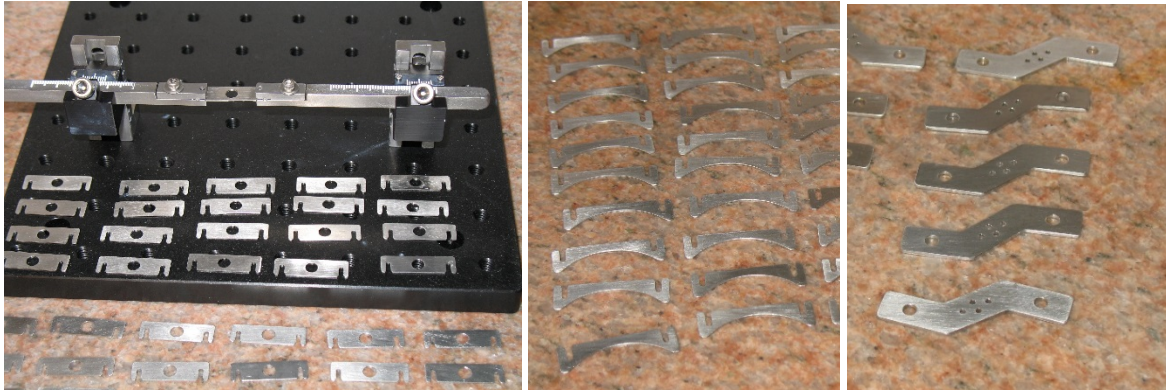
### **In vitro imaging stages.**

Optimized for compatibility with existing 2-photon confocal microscope systems in multiple labs.

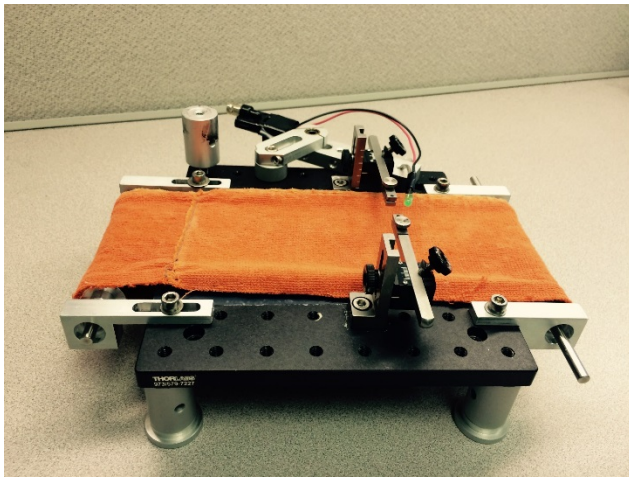


**In vivo imaging stage.** Optimized for compatibility with existing 2-photon confocal microscope system.

**Headplates and headbars.** For immobilization of animal to allow imaging or recording. These can be made in a large variety of styles to accommodate various techniques, preparations, etc.



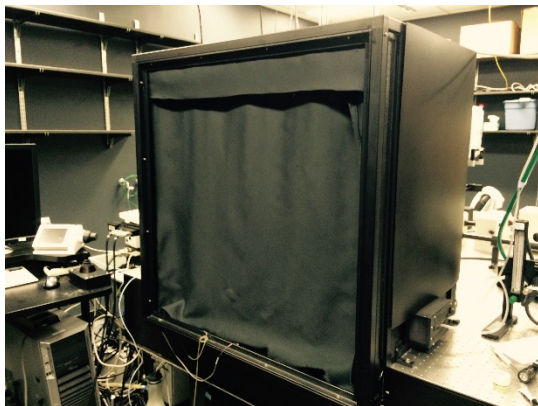
**Treadmill.** For imaging awake behaving mouse.



**Imaging chambers.** For maintenance of tissue samples for imaging and/or recording. Chambers shown in photo below are for imaging of mouse embryos.



**CLARITY chambers.** For clearing samples with the CLARITY technique.



**Blackout box.** Allows imaging within the box to be performed in complete darkness in a shared room with other lighting.



**Faraday cage.** For electrical isolation of recording rig.



**T maze.** For behavioral assessment of *Drosophila*.