Thy1-ChR2-YFP transgenic mice may be useful in optogenetic studies for rapid control of motor behavior by addition or removal of light, for *ex vivo* and *in vivo* studies of neural circuitry/connectivity following illumination, and for fluorescent labeling of Thy1-expressing cells throughout the brain (including cortex, hippocampus, thalamus, midbrain, brainstem, cerebellar mossy fibers and retinal ganglion cells).

**Donating Investigator**
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