YM monkey housing

- Paired housing for up to 24 Taiwanese macaques
- Humidity / temperature / auto-water / security doors
- Environmental enrichment (DVDs, toys, natural scenery)
- 2 veterinarians + dedicated monkey technician
- PI with over 15 years of primate experience
- Conforms to AAALAC, Guidelines, and MIT/ Yale/ RIKEN SOPs
Large animal surgery and necropsy

- Aseptic surgeries in a dedicated surgical room
- HEPA airflow, epoxy floors
- Downdraft necropsy table
- ENT surgical microscope (Leica 695M), Surgical lamp
- EEG, EKG, CO$_2$, BP, pO$_2$, respirator, IV pumps, water-based heating pad, vibration isolation table
- Isoflurane / N$_2$O / Fentanyl / Pentothal anesthesia
- Optical imaging (OI 3001M camera system)
- 256-channel neurophysiology system for spikes+LFPs (TDT System 3)
Image-guided multi-electrode recording in Taiwanese macaques

- Optical imaging
- Blood vessels
- Ocular dominance
- Orientation
- Electrophysiology
- Spike sorting