

Kathy T. Tran

Technical Associate I
McGovern Institute for Brain Research
Massachusetts Institute of Technology
Cambridge, MA 02139
Phone: (617) 840-9681
Email: kttran@mit.edu

EDUCATION

University of Massachusetts Amherst (UMA), Amherst, MA May 2017
BS, Animal Science: Biotechnology and Research
CGPA: 3.1/4.0

EXPERIENCE

Graybiel Lab, McGovern Institute for Brain Research at MIT, Cambridge, MA Nov 2018 - Present
Technical Associate I

- Care and maintenance of research non-human primate and rodents
- Assist in training NHP subjects on behavioral tasks, collecting behavioral data, and prepping for various veterinary procedure
- Maintain lab supplies and materials and ensure lab order and hygiene

Charles River Laboratories, Cambridge, MA Jul 2017 – Nov 2018
Animal Care Technician II

- Performed routine animal husbandry and care for rodents
- Performed daily animal health checks and observations
- Maintained and sanitize animal rooms daily and perform appropriate decontamination procedures
- Provided treatment to sick animals and consulted with attending veterinarian regarding animal health

Moorman Lab, Department of Psychological and Brain Sciences, UMA Sept 2015 – May 2017
Research Assistant

- Built and implemented a miniature fluorescence microscope prototype to image and record neural activity in behaving rodents
- Conducted *in vivo* experimentations to determine role of the orexin system in alcohol seeking
- Ran behavioral assays and kept accurate records of experiments and investigations
- Observed and assisted in microsurgical experiments that demonstrate well-developed surgical skills, such as stereotaxic brain injections/lesioning and cannulation
- Prepped rats for surgery, monitored and ran anesthesia, and recovered animals after procedures

Clark Lab, Department of Veterinary & Animal Sciences, UMA Nov 2014 – Nov 2015
Research Assistant

- Compared the effects of pesticides on voltage gated channels of juveniles and adults through injection of frog oocytes
- Provided research support by setting up experiments and compiling and analyzed data
- Performed survival surgery on frogs and collected oocytes samples for electrophysiology experimentations

VOLUNTEER EXPERIENCE

Nuñoa Project, Hadley, MA Jan 2019
Veterinary Assistant

- Went on a veterinary mission trip for 3 weeks in Peru to help improve management practices and alpaca production on local farms

Herd Heroes, L'Azile, Haiti Nov 2018
Veterinary Assistant

- Went on a 4-day Trip to Haiti to help with training animal care workers and improving the productivity of animal agriculture

- Obtained a complete medical history of owner's animals, animal handling and restraint, and medical assessments

Simple Gifts Farm, Amherst, MA

Jul 2016 – Sept 2016

Animal Farm Worker

- Cared and fed farm animals (pigs, beef cattle, and oxen)
- Watered and harvested crops for community supported agriculture shares

SKILLS & INTERESTS

Laboratory: Fluorescence microscopy, immunohistochemistry, solution and buffer preparation, behavioral training, cryosectioning, perfusions, tissue embedding, etching

Animal: Husbandry, handling and restraining, administering injections (SC, IM, IP), necropsy, euthanasia, anesthesia, blood draws, body condition scoring, behavior training

Computer: Microsoft Office Suite, Adobe Creative Suite, MED-PC, SolidWorks, 3D Slicer

Interests: volleyball, travel, art and design