

Summary of Qualification

- Experienced research technician who has worked in an academic laboratory environment with a focus on neuroscience and animal research
- Extensive experience working with laboratory rodents, involving various technical procedures, behavior, care, and histology; LATg certification
- Experience with various histological and molecular techniques
- Experience providing training relating to laboratory and animal work, as well as workplace safety

Professional Experience

Cembrowski Lab, UBC Dept. Cellular & Physiological Sciences

March 2019 — Present

Vancouver, BC

RESEARCH ASSISTANT/TECHNICIAN IV (FT)

- Behavioral training in hippocampal-associated experiments and associated methods, including genotyping, injections, and health monitoring
- Histological and molecular techniques
- Experimental reagent preparation and maintaining research lab operations and equipment

Charles River Laboratories

September 2015 — February 2019

Ashburn, VA

STUDY SUPPORT ASSOCIATE II – EXPERIMENTAL RESTRICTIONS (FT)

- Coordination of, and training for, experimental model food/water restrictions
- Trained rats on behavioral tasks to analyze working memory
- Performed IP dosing for multiple projects
- Reviewed and updated technical procedures, created training documents
- Assisted with workload delegation and leading team meetings

STUDY SUPPORT ASSOCIATE – EXPERIMENTAL (FT)

- Provided support to various lab groups in neuroscience research at Howard Hughes Medical Institute through rodent model maintenance and technical work
- Administration of post-operative analgesics, subcutaneous (SC) and intraperitoneal (IP) injections, and other various health treatments
- Detailed recordkeeping and organization (i.e. animal management via database)
- Worked in a BSL-2 environment

Trottier Lab, MSU Department of Animal Science

August 2013 — August 2015

East Lansing, MI

RESEARCH ASSISTANT (PT)

- Supported protein metabolism projects using swine models via field and lab work
- Co-led an exploratory research study
- Animal handling and care; technical work including catheter insertion and IM injections
- Collaborated to develop and optimize experimental protocols and SOPs
- Responsible for laboratory maintenance and organization, including: ordering, detailed recordkeeping, chemical safety, and data entry
- Collected samples and performed various assays
- Learned proper biosecurity procedures between experimental replications

MSU Residential and Hospitality Services

August 2011 — May 2014

East Lansing, MI

DISHROOM SUPERVISOR (PT)

- Managed a team of up to 10 employees
- Worked with a diverse group of students in a high-pressure environment
- Trained groups of students in chemical and workplace safety
- Developed time management and teamwork skills

Education

Michigan State University

East Lansing, MI

BACHELOR OF SCIENCE, ANIMAL SCIENCE

- Concentration in Animal Biology
- Honors College
- Minor in Spanish Language
- Member of Pre-Veterinary Medical Association and Animal Science Undergraduate Research Student Association
- Skills gained from degree:
 - Furthered knowledge of scientific disciplines, such as: chemistry, biochemistry, anatomy, physiology, and genetics
 - Furthered knowledge of various animal species on a behavioral, anatomical, and biochemical level
 - Various biological and chemical laboratory techniques

Certifications

- American Association of Laboratory Animal Science (AALAS)
 - *Laboratory Animal Technologist (LATg)* 2018
 - *Laboratory Animal Technician (LAT)* 2017
 - *Assistant Laboratory Animal Technician (ALAT)* 2016

Awards and Honors

- Collaboration Award (2018)
 - Charles River Labs
- Teamwork and Collaboration Award (2017)
 - Charles River Labs

Professional Memberships

- American Association of Laboratory Animal Science (AALAS)

Additional Experience

- Study Abroad program: Horse Industry of Ireland and Northern Ireland
 - Summer 2012
 - Studied and experienced different aspects of the horse industry in Ireland, including breeds, farm styles, racing, leisure activities, and care
 - Made comparisons between the horse industries and cultures of Ireland and the United States

Personal Interests

I enjoy spending time outdoors doing various activities, such as hiking and camping. I also love baking, music, and going for walks/runs with my two dogs.