

Jillian Gullo
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WORK AND PROFESSIONAL DEVELOPMENT EXPERIENCES

Princeton University – Department of Molecular Biology

Princeton, NJ

Senior Research Specialist

February 2022 - Present

- Independently managing an animal facility housing one of Princeton Universities largest mouse breeding colonies
- Ensuring coordination with Princeton LAR staff (Lab Animal Resources) and providing my PI and postdocs with all animals necessary for IACUC approved experiments
- Performing frequent laboratory experiments utilizing skills such as: immunofluorescence microscopy, histology, tissue sample washing and processing, cutting paraffin wax embedded tissue sections, assembling slides, PCR, qPCR, RNA extraction, DNA purification, genotyping, gel electrophoresis, sanger sequencing, microbial killing assays, confocal microscopy
- Leading, managing and training a team of postdocs and graduate students who assist in animal colony maintenance tasks
- Using knowledge in mammalian genetics to create and selectively breed new GEM's (genetically engineered mouse models)
- Developing optimized laboratory and animal protocols for use of all members of the laboratory
- Assisting and managing undergraduate and graduate students with their projects and associated trainings
- Assisting in interviewing and reviewing new laboratory candidates such as undergraduate students and postdocs
- Onboarding and training new staff with training materials I developed, and ensuring I provide extensive support
- Attend semi-annual IACUC inspections and help ensure our laboratory and PI meet all required expectations
- Working with the "Environment, Health and Safety" (EHS) department to ensure safe and proper laboratory practices
- Maintaining our laboratory inventory management system (LIMS) and requesting and receiving orders
- Using and optimizing laboratory equipment such as Keyence immunofluorescence microscope, ChemiDoc, Arcturus LCM, microtome, tissue processor, NanoDrop, QuantStudio 7 Pro, ProFlex PCR system, centrifuges
- Member of the Molecular Biology "Fun Committee" planning departmental events and increasing engagement

Mercer County Wildlife Center

Titusville, NJ

Volunteer Wildlife Technician

May 2021 - August 2021

- Worked as a team with staff to provide essential care for wildlife in need, such as husbandry and administering treatment
- Acted as a leader, built upon problem-solving skills, effectively communicated with staff and the public

Delaware Valley University

Doylestown, PA

Anatomy and Physiology Lab Assistant

February 2021 - May 2021

- Assisted four labs with anatomy identification in the form of dissections, skeletons, preserved or plasticized specimens
- Delivered presentations on animal anatomy and effectively communicated complex scientific concepts

EDUCATION

Delaware Valley University – School of Life and Physical Sciences

Doylestown, PA

Bachelor of Science, Small Animal Science, Minor in Media and Communications

December 2021

- 3.87 / 4.0 GPA
- Dean's List 6/7 semesters and Magna Cum Laude Honors, Board of Trustees Scholarship and the Feldstein Family Scholarship

SKILLS HIGHLIGHTS

- **Research and Small Animal Management:** Performing laboratory experiments for publications, managing multiple independent projects at one time, mouse colony management, detailed mouse breeding schemes and documentation, independent overall management of animal facilities, working with IACUC protocols, optimizing animal use and experiment protocols, working with lead veterinarians and vet techs, genotyping, suturing, necropsy, anesthesia, dosing, injections, disease and pathology
- **Writing:** Developing optimized research protocols, communicating scientific concepts, editing grants, writing lab reports, professional emails, writing laboratory website content, creating unique and strategic content for social media
- **Project Management and Administration:** Managing graduate and undergraduate students with projects and trainings, scheduling lab staff and student equipment and protocol trainings, scheduling and planning frequent laboratory events and celebrations
- **Technical Skills:** Adobe Creative Cloud (Photoshop, Illustrator, InDesign), arranging images and figures for publications, publication design, website content, social media analytics, Benchling, Biorender, Fiji (ImageJ), Canva, Microsoft Office

AWARDS AND CERTIFICATIONS

- Princeton University Tiger Award Winner, Department of Mol Bio Q2 2023
- Attending JAX Surgical Training Conference 2024-April: Making and Genetically Manipulating Mouse Embryos
- Over fifty certifications obtained via LinkedIn Learning in writing, HR, recruiting, talent acquisition, communication, marketing, PR, administration, leadership, writing
- Professional Writing and Interviewing Certifications via Saylor.org, Hootsuite Platform Certification