



TWO FUNDED PHD GRADUATE RESEARCH ASSISTANTSHIPS

Biomedical Sciences PhD Program

Veterinary Pharmacology • Parasitology • Food-Animal Drug Development • Regulatory Medicine

Utah State University College of Veterinary Medicine | Logan, Utah



OPPORTUNITY

The Comparative and Translational Veterinary Pharmacology Laboratory is recruiting two PhD students to begin Fall 2027. Students will join a newly funded, five-year FDA Animal and Veterinary Innovation Center research program focused on advancing antiparasitic drug development in sheep, goats, and bison.

Students will conduct dissertation research in pharmacokinetics, drug efficacy and safety, and residue depletion as part of a collaborative, multi-institutional team that includes veterinarians, pharmacologists, veterinary parasitologists, Extension specialists, and other investigators.



RESEARCH & TRAINING

Students will receive hands-on research training and mentorship designed to support their development as independent scientists in:

- **Veterinary pharmacology**, including pharmacokinetics, efficacy, safety, and residue-depletion research
- **Antiparasitic drug development** through controlled and field-based studies in food-animals
- **LC-MS/MS** bioanalysis, including method development and validation
- **Study design, quantitative data analysis**, and **scientific writing and communication**
- Interdisciplinary and multi-institutional **collaborative research**



DVM APPLICANTS

Candidates holding a DVM or equivalent veterinary degree may also have the opportunity to pursue an American College of Veterinary Clinical Pharmacology (ACVCP)-approved alternate residency training program in conjunction with the PhD.



GRADUATE PROGRAM & ENVIRONMENT

Students will pursue a **PhD in Biomedical Sciences** in the Department of Veterinary Clinical and Life Sciences under the supervision of **Dr. Stephanie Martinez**, while working closely with project collaborators. The laboratory and student offices are located in Utah State University's **new Veterinary Medical Education Building**, which features modern laboratory infrastructure and workspaces.



WHO SHOULD APPLY?

Competitive applicants will have:

- A **research-based Master's degree**; **OR** an **Honors Bachelor's degree (or equivalent) with research experience**; **OR** a **DVM or equivalent veterinary degree with research experience**
- Eligibility for admission to the Biomedical Sciences Graduate Program, including [prerequisite and GPA requirements](#)
- Strong interest in veterinary pharmacology, animal health, parasitology, or veterinary drug development
- Sheep and/or goat handling experience is preferred



HOW TO APPLY

Email **Dr. Stephanie Martinez** at stephanie.martinez@usu.edu with the subject line: **PhD GRA Inquiry – Fall 2027 – [Last Name]**

Please include the following materials:

1. **Cover letter** describing research interests, relevant research experience, and how this opportunity aligns with career goals
2. **Curriculum vitae**
3. **Unofficial academic transcripts**
4. **Contact information for three (3) references**, including at least one research mentor or supervisor
5. If applicable, unofficial TOEFL, IELTS, MET, Cambridge, or DET scores

International applicants: Applicants must be able to complete admission and visa requirements in time to begin in Logan on August 3, 2027. Assistantship support does not include visa-related costs.

Review of inquiries will begin immediately and continue until both positions are filled.



AT A GLANCE



POSITIONS 2



START Fall 2027



DEGREE PhD in Biomedical Sciences



SUPPORT **\$26,000** annual stipend + tuition



DURATION Up to 4 years



LOCATION Logan, Utah



LIFE IN LOGAN

Logan is located in northern Utah's scenic Cache Valley. An outdoor recreation hub, the area offers immediate access to hiking, biking, skiing, camping, fishing, and other year-round activities, along with a vibrant arts scene.

