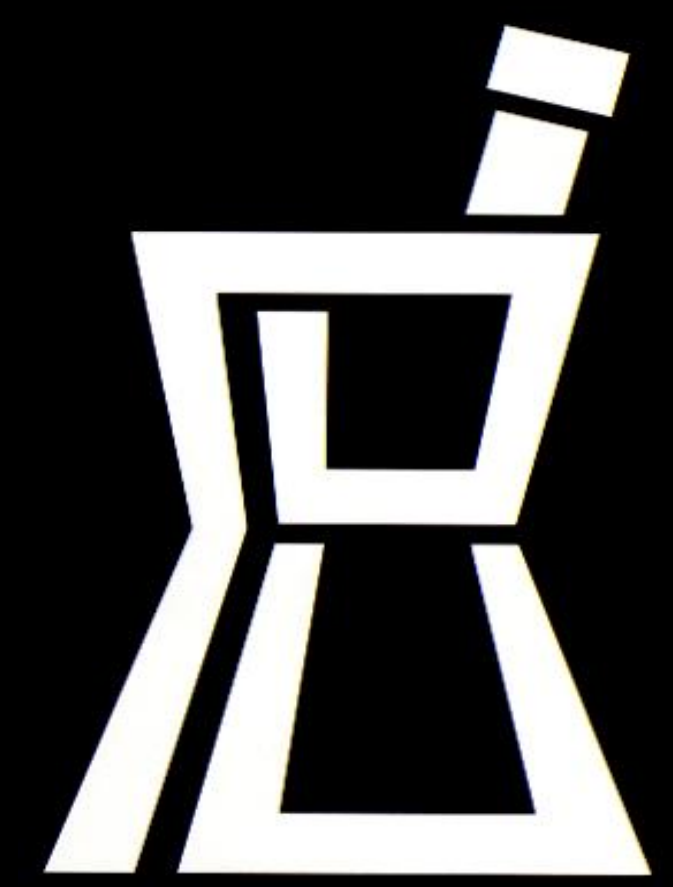


Partnering with Veterinary Hospital Pharmacy Residency Programs to Enhance Opportunities for Pharmacy Students

Steven Scott¹ PharmD, Jane Krause¹ MS, Wilson Gwin² BS Pharm, Melinda Anderson² PharmD

Purdue College of Pharmacy¹ and Purdue Veterinary Hospital², West Lafayette, IN



Introduction

- The practice of veterinary pharmacy began about 50 years ago.
- Pharmacists are currently the only health care professional that have human and animal patients.
- The Wasson Veterinary Pharmacy Residency at Purdue was established in 2015 thanks to a gift from two pharmacy alumni who desired to advance veterinary pharmacy and enhance the education of pharmacy graduates regarding veterinary topics.
- The residency program is housed in the Purdue University Veterinary Teaching Hospital and facilitated by veterinary pharmacists at the hospital with the assistance of faculty from the College of Veterinary Medicine and College of Pharmacy (COP).
- The veterinary pharmacy resident spends 50% of time in clinical practice activities with the remaining time devoted to activities in the hospital pharmacy, teaching at the COP, and completing a research project.
- Current Veterinary Pharmacy Residencies:
 - Purdue University Veterinary Hospital
 - North Carolina State Veterinary Hospital
 - University of Wisconsin Veterinary Hospital
 - University of Illinois Veterinary Hospital
 - Texas A&M University Veterinary Hospital

Role of Pharmacy Faculty

- COP faculty assist with the screening, interviewing, and selection of the resident.
- COP faculty also serve as teaching mentors, research advisors, and course co-coordinators.

Role of Veterinary Pharmacy Resident

- Facilitates COP instruction of veterinary medicine topics:
 - Veterinary Pharmacotherapy (1 credit hour) elective course.
 - Pharmacy skills laboratory focusing on veterinary pharmacy during the P-2 year.
 - Presentations on careers in veterinary pharmacy.
 - Assists COP faculty with non-sterile compounding laboratories for P-1 students.
 - Co-preceptor for APPE students at the teaching hospital.
 - Collaborates with COP Student Society of Veterinary Hospital Pharmacists Organization.



Topics in Veterinary Pharmacy Elective

- Common toxicities and human OTCs.
- Veterinary drug information resources.
- Common disease states and therapy for Canine, Feline, Equine, Bovine.
- Food animal considerations.
- Pain management in veterinary medicine.
- Exotic animal considerations.

Topics in Veterinary Pharmacy Laboratory

- Veterinary law and implications for pharmacists.
- Use of veterinary drug information resources.
- Common toxicities observed in companion animals.
- Comparing dosing of common medications used in animals and humans.
- Compounding and administering medications for companion animals.
- Compounding medications as treats for companion animals.

Residents to Date and Employment

- Dr. Lauren Forsythe (2015-2016): Univ. of Illinois Veterinary Hospital
- Dr. Shannon Grady (2016-2017): Ohio State Veterinary Hospital
- Dr. Elizabeth Young (2017-2018): Virginia Tech Veterinary Hospital
- Dr. Mindy Anderson (2018-2019): Purdue Veterinary Hospital
- Dr. Alex Gochenauer (2019-2020): Univ. of Illinois Veterinary Hospital
- Dr. Alissa Kruger (2020-2021): Express Scripts
- Dr. Sidney Robertson (2021-2022): Tennessee Equine
- Dr. Elizabeth Carman (2022-2023): Bluebird Compounding Pharmacy
- Dr. Kylie Kelley (2023-2024): Current Resident

Summary

- The Purdue COP and its learners have benefited greatly from the affiliation with the residency program at the Purdue Veterinary Hospital.
- Graduates from the Purdue Veterinary Pharmacy Residency program have secured diverse employment opportunities.
- Although employment opportunities in veterinary pharmacy are somewhat limited, pharmacists with advanced residency training in veterinary pharmacy are likely to be preferred candidates for current and future practice including independent/compounding pharmacy, veterinary hospital, entrepreneurship, research, consulting, and industry roles.
- The authors encourage additional collaboration with Veterinary Medicine Programs.