



### Emma G. Stafford, PharmD, FSVHP



#### Senior Research Scholar/ Clinical Pharmacist

BS, Virginia Polytechnic Institute and State University (Virginia Tech), Blacksburg, VA

PharmD, Medical College of Virginia/Virginia Commonwealth University (MCV/VCU), Richmond, VA

Clinical Veterinary Pharmacy Residency, North Carolina State University College of Veterinary Medicine (NCSU CVM), Raleigh, NC

**Address:** Population Health and Pathobiology Department, North Carolina State University College of Veterinary Medicine 1052 William Moore Drive Raleigh, NC 27607

**Email:** egstaffo@ncsu.edu

### Pharmacokinetic Evaluation and Antibody-Mediated Diseases

#### Research emphasis:

Dr. Stafford's main research interests include pharmacokinetic evaluation in food animals and assessment of the prevalence of NMDA antibodies in dogs. As a pharmacist, Dr. Stafford is passionate about comparative medicine and collaborating with other healthcare professionals in both the veterinary and human field(s). To strengthen clinical skills, Dr. Stafford also works as a Clinical Pharmacist at a retail pharmacy in the Raleigh, NC area.

#### Applications:

- Pharmacokinetic Studies
- Anti-NMDA Encephalitis Translational Models
- One Health Initiative

#### Research Strengths:

- Assay development (UPLC-MS, UPLC-MS:MS, HPLC)
- Indirect immunofluorescence assay

#### Selected Publications:

**Stafford EG**, Tell LA, Lin Z, Davis J, Riviere JE, Baynes RE (2018). FARAD Digest: Consequences of fipronil exposure in egg-laying hens. *Journal of the American Veterinary Medical Association*. 2018; 253:57-60.

Adrian DE, Papich MG, Baynes RE, **Stafford EG**, Lascelles BDX. The pharmacokinetic of gabapentin in cats following three routes of administration. Manuscript accepted for publication.

Stafford EG, Kortum A, Yoder JA, Olby N. Prevalence of anti-NMDA antibodies in canine cerebrospinal fluid. Manuscript in preparation.

Stafford, EG, Kortum A, Yoder JA, Olby N. Evaluation of Antibodies (NMDA, CASPR2, AMPA, LGI1, DPPX, and GABAB) Associated with Human Immune-Mediated Encephalitides in Canine Cerebrospinal Fluid. Presented at North Carolina Association of Pharmacists Annual Meeting.