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Education

- May 2008, Ph.D., Statistics, North Carolina State University, Raleigh NC
Catch Curve and Capture Recapture Models: A Bayesian Combined Approach
Dissertation Research Advisor: Dr. Kenneth H. Pollock
Co-Advisor: Dr. Sujit K. Ghosh
- May 2005, Master of Statistics, North Carolina State University, Raleigh NC
- May 2003, B.S., Statistics, *cum laude*, Florida State University, Tallahassee FL
Successful completion of Florida State University Liberal Studies Honors Program; minors in Spanish and mathematics

Employment

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|------------------------|--|
| July 2019 – Present | Deputy Director Statistical and Applied Mathematical Sciences Institute Research Triangle Park, North Carolina |
| July 2018 – Present | Research Associate Professor Department of Statistics North Carolina State University |
| Nov 2017 – Present | Director, Statistical Consulting Core Department of Statistics North Carolina State University |
| Jan 2013 – June 2018 | Research Assistant Professor Department of Statistics North Carolina State University |
| June 2009 – Nov 2012 | Survey Statistician Crime Analysis, Research and Development Unit Federal Bureau of Investigation |
| April 2008 – June 2009 | Postdoctoral Research Associate Patuxent Wildlife Research Center United States Geological Survey |
| Sept 2006 – April 2007 | Statistics Instructor Contract with the National Oceanic and Atmospheric Administration, |

National Ocean Service,
Center for Coastal Habitat and Fisheries Research, Beaufort NC

June 2006 – Aug 2006 Statistical Consultant to the Applied Ecology and Restoration Research Team, National Ocean Service, Beaufort NC
The Environmental Careers Organization (ECO)

June 2005 – May 2006 Statistical Consultant
IMSG, Inc.

Book Chapters

Barnett-Ryan, C and **EH Griffith**, Dynamic Crime Reporting, In: Handbook on the Psychology of Violence, Cuevas, CA and CM Rennison eds., Wiley-Blackwell, 7-23, 2016.

Journal Publications

1. Olby, NJ, EH Griffith, JM Levine, CANSORT SCI, “Comparison of Gait Assessment Scales in Dogs with Spinal Cord Injury due to Intervertebral Disc Herniation,” *Journal of Neurotrauma*, accepted.
2. Muñana, KR, JA Nettifee, **EH Griffith**, PJ Early, N Yoder, “Evaluation of a collar-mounted accelerometer for detecting seizure activity in dogs,” *Journal of Veterinary Internal Medicine*, resubmitted.
3. Lombardo, SM, JA Buckel, EF Hain, **EH Griffith**, H White, “Evidence for temperature-dependent shifts in spawning times of anadromous alewife (*Alosa pseudoharengus*) and blueback herring (*Alosa aestivalis*),” *Canadian Journal of Fisheries and Aquatic Sciences*, resubmitted.
4. Gingold, BMC, MB Killos, **E Griffith**, L Posner, (2019) “Measurement of Peripheral Muscle Oxygen Saturation in Healthy Horses Using a Near-infrared Spectroscopy Device,” *Veterinary Anaesthesia and Analgesia*, accepted.
5. Drake, M, MN Peterson, **E Griffith**, C Olfenbuttel, C Moorman, C DePerno, (2019) “Hunting Interacts with Socio-demographic Predictors of Human Perceptions of Urban Coyotes,” *The Wildlife Society Bulletin*, accepted.
6. Durodoye Jr, R, M Gumpertz, A Wilson, **E Griffith**, S Ahmad (2019), “Tenure and promotion outcomes at four large land grant universities: Examining the role of gender, race, and academic discipline,” *Research in Higher Education*, Available online.
7. Lynch, AM, L Ruterbories, **E Griffith**, RM Hanel, AP Stablein, MB Brooks, “Evaluation of point-of-care coagulation tests as alternatives to anti-Xa activity for monitoring the anticoagulant effects of rivaroxaban in healthy dogs,” *Journal of Veterinary Emergency and Critical Care*, submitted.
8. Lynch, AM, L Ruterbories, **E Griffith**, RM Hanel, AP Stablein, MB Brooks, “The influence of feeding and gastroprotectant medications on the anticoagulant effect of orally administered rivaroxaban in normal dogs,” *Journal of Veterinary Emergency and Critical Care*, submitted.

9. Kennedy, CJ, AE Thomson, **EH Griffith**, J Fogle, BDX Lascelles, RM Meeker, BL Sherman, ME Gruen, (2018) "Enrichment preferences of FIV-infected and uninfected laboratory-housed cats," *Viruses (Special issue: Nonprimate Lentivirus)*, 10(7), 353.
10. Tuohy, JL, JE Fogle, K Meichner, LB Borst, CS Petty, **E Griffith**, J Osborne, and BDX Lascelles (2018), "Assessment of a Novel Nanoparticle Hyperthermia Therapy in a Murine Model of Osteosarcoma," *Veterinary Surgery*, available online.
11. Sparks, CR, A Gorney, K Williams, EH Griffith, S Cerda-Gonzalez, BDX Lascelles, NJ Olby (2018), "Investigation of Sensory Thresholds in Cavalier King Charles Spaniels with and without Chiari-like Malformations and Syringomyelia," *Journal of Veterinary Internal Medicine*, available online.
12. Zidan, N, C Sims, J Fenn, K Williams, **E Griffith**, P Early, K Munana, J Guevar, and N Olby, "A randomized, blinded, prospective clinical trial of post-operative rehabilitation in dogs after surgical decompression of acute thoracolumbar intervertebral disc herniation," *Journal of Veterinary Internal Medicine*, resubmitted.
13. Risselada, M, MD Winter, DD Lewis, **E Griffith**, A Pozzi, "Comparison of three imaging modalities used to evaluate bone healing after tibial tuberosity advancement in cranial cruciate ligament-deficient dogs and comparison of the effect of a gelatinous matrix and a demineralized bone matrix on bone healing," *BMC Veterinary Research*, accepted.
14. Krasner, AE, A Hancock-Ronemus, LS Christian, **EH Griffith**, GA Lewbart, and JM Law (2019), "Histological evaluation of the membrane connecting the opisthosoma to the telson (telson ligament) to five suture materials in the American Horseshoe Crab (*Limulus polyphemus*)," *PeerJ*, 7:e7061. <https://peerj.com/articles/7061/>
15. Balko, JA, BJ Gatson, EB Cohen, **EH Griffith**, CA Harms, and KM Bailey (2018), "Inhalant anesthetic recovery following intramuscular epinephrine in the loggerhead sea turtle (*Caretta caretta*)," *Journal of Zoo and Wildlife Medicine*, 49(3): 680-688. <https://www.ncbi.nlm.nih.gov/pubmed/30212344>
16. Risselada, M, **E Griffith**, M Kapler, M McDonald-Lynch (2018), "Evaluation of various gastrojejunostomy tube constructs for enteral support of small animal patients," *Journal of the American Veterinary Medical Association*, 252(10): 1239-1246.
17. Zidan, N, J Fenn, **E Griffith**, P Early, C Mariani, K Munana, J Guevar, and N Olby (2018), "The effect of electromagnetic fields on postoperative pain and locomotor recovery in dogs with acute, severe thoracolumbar intervertebral disc extrusion: a randomized, placebo-controlled, prospective clinical trial," *Journal of Neurotrauma*, accepted.
18. Pankratz, KE, KK Ferris, **EH Griffith**, BL Sherman (2018), "Use of single-dose oral gabapentin to attenuate fear responses in cage-trap confined community cats: a double-blind, placebo-controlled field trial," *Journal of Feline Medicine and Surgery*, 20 (6), 535-543. <https://www.ncbi.nlm.nih.gov/pubmed/28718700>
19. Gumpertz, M, R Durodoye, **E Griffith**, A Wilson, "Retention and promotion of women and underrepresented minority faculty in science and engineering at four large land grant institutions," *PLoS One*, 12(11): e0187285. <https://www.ncbi.nlm.nih.gov/pubmed/29091958>

20. Risselada, M, KE Linder, **E Griffith**, BV Roberts, G Davidson, WC Zamboni, KM Messenger (2017), "Pharmacokinetics and toxicity of subcutaneous administration of carboplatin in poloxamer 407 in a rodent model pilot study," *PLoS One*, 12(10): e0186018.
<https://www.ncbi.nlm.nih.gov/pubmed/28982137>
21. Sparks, CR, S Cerda-Gonzales, **EH Griffith**, BDX Lascelles, NJ Olby (2017), "Questionnaire-based Analysis of Owner-reported Scratching and Pain Signs in Cavalier King Charles Spaniels Screened for Chiari-like Malformation and Syringomyelia," *Journal of Veterinary Internal Medicine*, available online.
22. Gruen, ME, SC Roe, EH Griffith, and BL Sherman (2017), "The use of trazodone to facilitate calm behavior following elective orthopedic surgery in dogs: Results and lessons learned from a clinical trial," *Journal of Veterinary Behavior*, 22: 41-45.
<https://www.sciencedirect.com/science/article/pii/S1558787817300497>
23. Williams, MD, CT Long, JR Durrant, GP McKeon, HR Shive, **EH Griffith**, KM Messenger, RE Fish, "Oral Transmucosal Detomidine Gel in New Zealand White Rabbits (*Oryctolagus cuniculus*)," *Journal of the American Association for Laboratory Animal Science*, 56(4): 436-442.
<https://www.ncbi.nlm.nih.gov/pubmed/28724493>
24. Cone, JA, TM Martin, DJ Marcellin-Little, OLA Harrysson, **EH Griffith** (2017), "Accuracy and repeatability of long bone replicas fabricated using low-end commercial 3-D printers," *American Journal of Veterinary Research*, 78(8): 900-905.
<https://www.ncbi.nlm.nih.gov/pubmed/28738005>
25. Sylvester, HJ, **EH Griffith**, ME Jacobo, DM Foster, "Environmental & management influences on gastrointestinal nematode prevalence on North Carolina goat farms," *Journal of the American Veterinary Medical Association*, accepted.
26. Smith, EJ, DJ Marcellin-Little, OLA Harrysson, and **EH Griffith** (2017), "Three-dimensional assessment of curvature, torsion, and canal flare index of the humerus of skeletally mature nonchondrodystrophic dogs," *American Journal of Veterinary Research*, 78(10): 1140-1149.
<https://www.ncbi.nlm.nih.gov/pubmed/28945134>
27. Seiler, GS and **E Griffith** (2017), "Comparisons between elastographic stiffness scores for benign versus malignant lymph nodes in dogs and cats," *Veterinary Radiology and Ultrasound*, available online. <https://www.ncbi.nlm.nih.gov/pubmed/28879674>
28. Mutz, ML, BB Boudreaux, A Royal, S Mercent, C Pucheu-Haston, **EH Griffith**, and TL Gieger (2017), Cytologic comparison of the percentage of mast cells in lymph node aspirate samples from clinically normal dogs versus dogs with allergic dermatologic disease and dogs with cutaneous mast cell tumors," *Journal of the American Veterinary Medical Association*, 251(4): 421-428. <https://www.ncbi.nlm.nih.gov/pubmed/28763275>
29. Harris, JP, NK Parnell, **EH Griffith**, and KE Saker, (2017) "Retrospective evaluation of the impact of early enteral nutrition on clinical outcomes in dogs with pancreatitis: 34 cases (2010-2013)," *Journal of Veterinary Emergency and Critical Care*, 27(4): 425-433.
<https://www.ncbi.nlm.nih.gov/pubmed/28510290>

30. Adin, D, C Atkins, M Papich, T DeFrancesco, **E Griffith**, M Penteadó, K Kurtz, and A Klein (2017), "Furosemide continuous rate infusion diluted with 5% dextrose in water or hypertonic saline in normal adult dogs: a pilot study," *Journal of Veterinary Cardiology*, 19(1): 44-56. <https://www.ncbi.nlm.nih.gov/pubmed/27840084>
31. Swift, JM, DM Foster, AT Rogers, HJ Sylvester, **EH Griffith**, and ME Jacob (2017), "Efficacy of an *Escherichia coli* O157:H7 SRP vaccine in orally challenged goats and strain persistence over time," *Foodborne Pathogens and Disease*, 14(3): 160-166. <https://www.ncbi.nlm.nih.gov/pubmed/28075607>
32. Nettifee, JA, KR Munana, and **EH Griffith** (2017), "Evaluation of the impacts of epilepsy in dogs on their caregivers," *Journal of the American Animal Hospital Association*, 53(3): 143-149. <https://www.ncbi.nlm.nih.gov/pubmed/28291397>
33. Nolan, MW, MM Arkans, D LaVine, T DeFrancesco, JA Myers, **EH Griffith**, L Posner, BW Keene, SP Tou, and TL Geiger (2017). "Pilot study to determine the feasibility of radiation therapy for dogs with right atrial masses and hemorrhagic pericardial effusion," *Journal of Veterinary Cardiology*, 19(2): 132-143. <https://www.ncbi.nlm.nih.gov/pubmed/28283317>
34. Blake, JS, BJ Trumpatori, KG Mathews, and **EH Griffith** (2017), "Carotid artery bursting pressure and seal time after multiple uses of a vessel sealing device," *Veterinary Surgery*, 46(4): 501-506. <https://www.ncbi.nlm.nih.gov/pubmed/28334448>
35. Hilton, GM, AJ Taylor, S Hussain, EC Dandley, EH Griffith, S Garantziotis, GN Parsons, JC Bonner, and MS Bereman (2017), "Mapping Differential Cellular Protein Response of Mouse Alveolar Epithelial Cells to Multi-Walled Carbon Nanotubes as a Function of Atomic Layer Deposition Coating," *Nanotoxicology*, 11(3):313-326. <https://www.ncbi.nlm.nih.gov/pubmed/28277982>
36. Bullen, LE, MG Evola, **EH Griffith**, GS Seiler, and KE Saker (2017), "Validation of ultrasonographic muscle thickness measurements as compared to the gold standard of computed tomography in dogs," *PeerJ*, 5:e2926. <https://www.ncbi.nlm.nih.gov/pubmed/28149695>
37. Gruen, ME, KM Messenger, AE Thomson, **EH Griffith**, LA Aldrich, S Vaden, BD Lascelles (2017), "Evaluation of serum cytokines in cats with and without degenerative joint disease and associated pain," *Veterinary Immunology and Immunopathology*, 183: 49-59. <https://www.ncbi.nlm.nih.gov/pubmed/28063477>
38. Gruen, ME, **EH Griffith**, SMA Caney, M Rishniw, BDX Lascelles (2017), "Attitudes of small animal practitioners toward participation in veterinary clinical trials," *Journal of the American Veterinary Medical Association*, 250(1):86-97. <https://www.ncbi.nlm.nih.gov/pubmed/28001115>
39. Gruen, ME, KM Messenger, AE Thomson, **EH Griffith**, H Paradise, S Vaden, BDX Lascelles (2016), "A comparison of serum and plasma values using a multiplexed assay in cats," *Veterinary Immunology and Immunopathology*, 182: 69-73. <https://www.ncbi.nlm.nih.gov/pubmed/27863553>
40. Nordberg, RC, J Zhang, **EH Griffith**, MW Frank, B Starly, EG Lobo (2017), "Electrical cell-substrate impedance spectroscopy can monitor age-grouped human adipose stem cell variability

during osteogenic differentiation,” *Stem Cells Translational Medicine*, 6(2):502-511.
<https://www.ncbi.nlm.nih.gov/pubmed/28191763>

41. Olby, NJ, S Vaden, K Williams, **E Griffith**, T Harris, C Mariani, K Munana, P Early, S Platt, L Boozer, C Giovannella, and R Longshore (2017), “Effect of Cranberry Extract on the Frequency of Bacteriuria in Dogs with Acute Thoracolumbar Disc Herniation: A Randomized Controlled Clinical Trial,” *Journal of Veterinary Internal Medicine*, 31(1): 60-68.
<https://www.ncbi.nlm.nih.gov/pubmed/27914106>
42. Nordberg, RC, A Charoenpanich, CE Vaughn, **EH Griffith**, MB Fisher, JH Cole, JT Spang, and EG Lobo (2016), “Enhanced cellular infiltration of human adipose-derived stem cells in allograft menisci using a needle-punch method,” *Journal of Orthopaedic Surgery and Research*, 11(1): 132. <https://www.ncbi.nlm.nih.gov/pubmed/27793202>
43. Risselada, M, DJ Marcellin-Little, KM Messenger, **E Griffith**, GS Davidson, and MG Papich (2016), “Assessment of in vitro release of carboplatin from six carrier media,” *American Journal of Veterinary Research*, 77(12): 1381-1386. <https://www.ncbi.nlm.nih.gov/pubmed/27901382>
44. Lewis, MJ, NJ Olby, PJ Early, CL Mariani, KR Munana, GS Seiler, and **EH Griffith** (2016), “Clinical and Diagnostic Imaging Features of Brain Herniation in Dogs and Cats,” *Journal of Veterinary Internal Medicine*, 30(5): 1672-1680.
<https://www.ncbi.nlm.nih.gov/pubmed/27616749>
45. Gruen, M, A Thomson, **E Griffith**, H Paradise, D Gearing, and BDX Lascelles (2016), “A feline-specific anti-nerve growth factor antibody improves mobility in cats with degenerative joint disease-associated pain: A pilot proof of concept study,” *Journal of Veterinary Internal Medicine*, 30(4): 1138-48. <https://www.ncbi.nlm.nih.gov/pubmed/27334504>
46. Stevens, BJ, E Frantz, JM Orlando, **E Griffith**, L Harden, ME Gruen, and BL Sherman (2016), “Efficacy of a single dose of trazodone hydrochloride given to cats prior to veterinary visits to reduce signs of transport- and examination-related anxiety,” *Journal of the American Veterinary Medical Association*, 249(2): 202-7. <https://www.ncbi.nlm.nih.gov/pubmed/27379596>
47. Schreeg, ME, HS Marr, EH Griffith, JL Tarigo, DM Bird, MV Reichard, LA Cohn, MG Levy, and AJ Birkenhour (2016), “PCR amplification of a multi-copy mitochondrial gene (cox3) improves detection of *Cytauxzoon felis* infection as compared to a ribosomal gene (18S),” *Veterinary Parasitology*, 225:123-30. <https://www.ncbi.nlm.nih.gov/pubmed/27369587>
48. Gorney, AM, SR Blau, CS Dohse, **EH Griffith**, KD Williams, JH Lim, D Knazovicky, BDX Lascelles, NJ Olby (2016), Mechanical and the Thermal Sensory Testing in Normal Chondrodystrophoid Dogs and Dogs with Spinal Cord Injury due to Thoracolumbar Intervertebral Disc Herniations, *Journal of Veterinary Internal Medicine*, 30(2): 627-35.
<https://www.ncbi.nlm.nih.gov/pubmed/26945915>
49. Tuohy, JL, BDX Lascelles, **EH Griffith**, JE Fogle (2016), “Association of canine osteosarcoma and monocyte phenotype and chemotactic function,” *Journal of Veterinary Internal Medicine*, 30(4): 1167-78. <https://www.ncbi.nlm.nih.gov/pubmed/27338235>
50. Cerda-Gonzalez, S, N Olby, **EH Griffith** (2016), “Longitudinal study of the relationship between craniocervical morphology, clinical progression, and syringomyelia in a cohort of Cavalier King

Charles spaniels (CKCS), *Journal of Veterinary Internal Medicine*, 30(4): 1090-8.
<https://www.ncbi.nlm.nih.gov/pubmed/27311874>

51. Smith, EJ, DJ Marcellin-Little, OLA Harrysson, **EH Griffith** (2016), "Influence of chondrodystrophy and brachycephaly on geometry of the humerus in dogs," *Veterinary and Comparative Orthopaedics and Traumatology*, 29(3): 220-226.
<https://www.ncbi.nlm.nih.gov/pubmed/27070343>
52. Rouse, CA, N Olby, K Williams, TL Harris, **E Griffith**, CL Mariani, KM Munana, P Early (2016), "Recovery of stepping and coordination in dogs following acute thoracolumbar intervertebral disc herniations," *The Veterinary Journal*, 213: 59-63.
<https://www.ncbi.nlm.nih.gov/pubmed/27240917>
53. Risselada, M, GW Ellison, MD Winter, RF Giglio, A Shih, JA Hernandez, and **E Griffith** (2015), "In vitro evaluation of bursting pressure and intestinal luminal area of three jejunostomy tube placement techniques in dogs," *American Journal of Veterinary Research*, 76(5): 467-74.
<https://www.ncbi.nlm.nih.gov/pubmed/25909380>
54. Ward, JL, TC DeFrancesco, SP Tou, CE Atkins, **EH Griffith**, BW Keene (2016), "Outcome and survival in canine sick sinus syndrome and sinus node dysfunction: 93 cases (2002-2014)." *Journal of Veterinary Cardiology*, 18(3): 199-212.
<https://www.ncbi.nlm.nih.gov/pubmed/27286907>
55. Risselada, M, K Mathews, and **E Griffith** (2016), "The effect of specimen preparation on post excision and post fixation shrinkage, translation and distortion on canine cadaver skin-fascia specimens," *Veterinary Surgery*, 45(5): 563-70. <https://www.ncbi.nlm.nih.gov/pubmed/27199161>
56. Jacob, ME, MD Crowell, MB Fauls, **EH Griffith**, K Ferris (2016), "Diagnostic accuracy of a rapid immunoassay for point-of-care detection of urinary tract infection in dogs," *American Journal of Veterinary Research*, 77(2), 162-166.
<https://www.ncbi.nlm.nih.gov/pubmed/27027710>
57. Risselada, M, K Mathews, **E Griffith** (2016), "Effect of feline skin specimen preparation on postexcision and postfixation tissue shrinkage," *Journal of Feline Medicine and Surgery*, 18(12): 970-975. <http://www.ncbi.nlm.nih.gov/pubmed/26329723>
58. Orlando, JM, BC Case, AE Thomson, **E Griffith**, and BL Sherman (2016), Use of oral trazodone for sedation in cats: a pilot study, *Journal of Feline Medicine & Surgery*, 18(6): 476-82.
<http://www.ncbi.nlm.nih.gov/pubmed/26037387>
59. Lustgarten, M, W Redding, R Labens, W Davis, T Daniel, **E Griffith**, G Seiler (2015), Elastographic evaluation of naturally occurring tendon and ligament injuries of the equine distal limb, *Veterinary Radiology & Ultrasound*, 56(6): 670-679.
<https://www.ncbi.nlm.nih.gov/pubmed/26304065>
60. Gruen, ME, **EH Griffith**, AE Thompson, W Simpson, BDX Lascelles, "Criterion Validation Testing of Clinical Metrology Instruments for Measuring Degenerative Joint Disease Associated Mobility Impairment in Cats," *PLoS ONE*, 10(7).
<https://www.ncbi.nlm.nih.gov/pubmed/26162101>

61. McDonald-Lynch, MB, DJ Marcellin-Little, SC Roe, BDX Lascelles, BJ Trumpatori, **EH Griffith** (2015), "Assessment of an implant-skin interface scoring system for external skeletal fixation of dogs," *American Journal of Veterinary Research*, 76(11): 931-938. <http://www.ncbi.nlm.nih.gov/pubmed/26512537>
62. Cerda-Gonzalez, S, N Olby, **EH Griffith** (2015), "Medullary position at the craniocervical junction in mature cavalier King Charles spaniels: relationship to neurologic signs and syringomyelia," *Journal of Veterinary Internal Medicine*, 29(3): 882-886. <http://www.ncbi.nlm.nih.gov/pubmed/25929341>
63. Cerda-Gonzalez, S, N Olby, **EH Griffith** (2015), "Dorsal compressive atlantoaxial bands and the craniocervical junction syndrome: association with clinical signs and syringomyelia in mature cavalier King Charles spaniels," *Journal of Veterinary Internal Medicine*, 29(3): 887-892. <http://www.ncbi.nlm.nih.gov/pubmed/25996662>
64. Ward, JL, T DeFrancesco, SP Tou, CE Atkins, **EH Griffith**, and BW Keene (2015), "Complication rates associated with transvenous pacemaker implantation in dogs with high-grade atrioventricular block performed during or after normal business hours," *Journal of Veterinary Internal Medicine*, 29(1):157-63. <http://www.ncbi.nlm.nih.gov/pubmed/25619513>
65. Risselada, M, KG Mathews, **E Griffith** (2015), "Surgically planned versus histologically measured lateral tumor margins for resection of cutaneous and subcutaneous mast cell tumors in dogs: 46 cases (2010-2013)," *Journal of the American Veterinary Medical Association*, 247(2): 184-9. <http://www.ncbi.nlm.nih.gov/pubmed/26133218>
66. Risselada, M, GW Ellison, MD Winter, RF Giglio, A Shih, JA Hernandez, **E Griffith** (2015), "In vitro evaluation of bursting pressure and intestinal area of 3 jejunostomy tube placement techniques in dogs," *American Journal of Veterinary Research*, 76(5): 467-74. <http://www.ncbi.nlm.nih.gov/pubmed/25909380>
67. Bailey, KM, LJ Minter, GA LEwbart, CA Harms, **EH Griffith**, LP Posner (2014), "Alfaxalone as an intramuscular injectable anesthetic in koi carp (*Cyprinus carpio*)," *Journal of Zoo and Wildlife Medicine*, 45(4): 852-8. <http://www.ncbi.nlm.nih.gov/pubmed/25632673>
68. Salgado, MA, GA Lewbart, LS Christian, **EH Griffith**, and JM Law (2014), "Evaluation of Five Different Suture Materials in the Skin of the Earthworm (*Lumbricus terrestris*)," *SpringerPlus*, 3:423. <http://www.ncbi.nlm.nih.gov/pubmed/25143875>
69. Fish, R and **EH Griffith** (2014), "Career Attitudes of first-year veterinary students before and after a required course on veterinary careers," *Journal of Veterinary Medical Education*, 41(3), 243-52. <http://www.ncbi.nlm.nih.gov/pubmed/24794169>
70. Oda, A, KM Bailey, GA Lewbart, **EH Griffith**, and LP Posner (2014), "Physiologic and biochemical assessments of koi carp, *Cyprinus carpio*, following immersion in propofol," *Journal of the American Veterinary Medical Association*, 245(11): 1286-91. <http://www.ncbi.nlm.nih.gov/pubmed/25406710>
71. Gruen, ME, **EH Griffith**, A Thomson, W Simpson, and BDX Lascelles (2014), "Detection of clinically relevant pain relief in cats with degenerative joint disease associated pain," *Journal of Veterinary Internal Medicine*, 28(2), 346-50. <http://www.ncbi.nlm.nih.gov/pubmed/24512390>

72. Gruen, ME, SC Roe, **E Griffith**, A Hamilton, BL Sherman (2014), "Use of Trazodone to facilitate post-surgical confinement in dogs," *Journal of the American Veterinary Medical Association* 245(3): 296-301. <http://www.ncbi.nlm.nih.gov/pubmed/25029308>
73. Olby, NJ, J Lim, K Babb, K Bach, C Domaracki, **EH Griffith**, T Harris, and A Muguet-Chanoit (2014), "Gait scoring in dogs with thoracolumbar spinal cord injuries when walking on a treadmill," *BMC Veterinary Research*, 10(58). <http://www.ncbi.nlm.nih.gov/pubmed/24597771>
74. Williams, MD, AE Kirkpatrick, **EH Griffith**, J Benito, J Hash, and BDX Lascelles (2014), "Feasibility and repeatability of thermal quantitative sensory testing in normal dogs and dogs with hind limb osteoarthritis-associated pain," *The Veterinary Journal*, 199(1): 63-7. <http://www.ncbi.nlm.nih.gov/pubmed/24316154>
75. Tuohy, JL, DJ Marcellin-Little, **EH Griffith** (2014), "Durations of bone consolidation and external fixation after distraction osteogenesis in dogs," *Veterinary Surgery*, 43(8): 903-11. <http://www.ncbi.nlm.nih.gov/pubmed/24749522>
76. Briley, JD, MD Williams, M Freire, **EH Griffith**, BDX Lascelles (2014). Feasibility and repeatability of cold and quantitative sensory testing in normal dogs. *The Veterinary Journal* 199(2): 245-50. <http://www.ncbi.nlm.nih.gov/pubmed/24268475>
77. **Griffith, EH**, JR Sauer and JA Royle (2010). Traffic Effects on Bird Counts on North American Breeding Bird Survey Routes. *The Auk* 127(2): 387-93.
78. **Griffith, EH**, and JA Royle (2009). Spatial design for the North American Breeding Bird Survey (BBS): An Integrated Approach. *Proceedings of the Joint Statistical Meetings. In JSM Proceedings, Statistics and the Environment Section*. Alexandria, VA: American Statistical Association, 1121-31.
79. Fonseca, MS, WJ Kenworthy, **EH Griffith**, MO Hall, M Finkbeiner and SS Bell (2008). Factors influencing landscape pattern of the seagrass *Halophila decipiens* in an oceanic setting. *Estuarine, Coastal and Shelf Science* 76:163-74.

Peer-Reviewed Conference Abstracts

1. Sabornie, EJ, CL Crossland, **EH Griffith**, M Biswas, "Do Charter Schools Make a Difference in School Crime, Academics, and Student Behavior?" American Educational Research Association, San Francisco, CA, April 2020.
2. Sabornie, EJ, CL Crossland, **EH Griffith**, M Biswas, "A Longitudinal Analysis of School Crime Among Students With and Without Disabilities," American Educational Research Association, San Francisco, CA, April 2020.
3. Sabornie, EJ, CL Crossland, **EH Griffith**, M Biswas, "School Crime and Academic Performance in North Carolina PBIS Schools," International Conference on Positive Behavior Support, Miami, FL, March 2020.
4. Gieger, T, MW Nolan, **EH Griffith**, "Treatment of feline gastrointestinal lymphoma with cobalamin, prednisolone, lomustine, and 8 Gy abdominal cavity radiation therapy," ACVR/IVRA Joint Scientific Conference, October 2018.

5. Carlson, A, ETC, "Effect of soluble epoxide hydrolase inhibitor, t-TUCB, on recovery of ischemic injured porcine jejunum," American College of Veterinary Internal Medicine Forum, Seattle, WA, June 2018.
6. Pankratz, K, Ferris, **E Griffith**, and B Sherman, "Use of Single Dose Oral Gabapentin to Attenuate Fear Responses in Cage-Trap Confined Community Cats: A Double Blind Placebo Controlled Field Trial," American College of Veterinary Behaviorists-American Veterinary Society of Animal Behavior Veterinary Behavior Symposium, Indianapolis, IN, July 2017. Winner, RK Anderson Resident Award.
7. Balko, JA, BJ Gatson, **EH Griffith**, CA Harms, KM Bailey, "Anesthetic Recovery Following Intramuscular Epinephrine in the Loggerhead Sea Turtle (*Caretta caretta*)," International Association for Aquatic Animal Medicine Meeting and Conference, Cancun, Mexico, May 2017.
8. Gruen, M, A Thomson, **E Griffith**, H Paradise BCX Lascelles, "Feline Anti-Nerve Growth Factor Antibody Improves Mobility in Cats with Degenerative Joint Disease-Associated Pain and Mobility Impairment," Veterinary Orthopedic Society Conference, Big Sky, MT, February 2016.
9. Smith, EJ, DJ Marcellin-Little, OL Harrysson, and **EH Griffith**, "Geometry of the Humerus in Chondrodystrophic, Brachycephalic, and Non-chondrodystrophic Dogs," Biomedical Engineering Society Annual Meeting, Tampa, FL, October 2015.
10. Risselada, M, KG Mathews, **E Griffith**, "Margin assessment in a canine cadaveric tumor model," American College of Veterinary Surgery Summit, San Diego, CA, October 2014.
11. Bereman, M, G Hilton and **E Griffith**, "Multivariate Statistical Procedures Implemented within the Framework of Statistical Process Control to Evaluate Data Quality in LC MS/MS," American Society for Mass Spectrometry Conference on Mass Spectrometry and Allied Topics, 62nd American Society for Mass Spectrometry Conference, Baltimore, MD, June, 2014.
12. Gruen M, Simpson W, Thomson A, **Griffith E**, Lascelles BDX. "Clinical trial application of a clinical phenomenon: deterioration following withdrawal of active medication for the treatment of chronic pain in cats with degenerative joint disease," Poster Presentation, Non-Human Special Interest Group, Official Satellite Meeting in conjunction with the International Association for the Study of Pain 15th World Congress, Buenos Aires, Argentina, October 2014.
13. Orlando, JM, BC Case, AE Thomson, **E Griffith**, and BL Sherman, "The use of Oral Trazodone for Sedation in Cats," American College of Veterinary Behaviorists-American Veterinary Society of Animal Behavior Veterinary Behavior Symposium Veterinary Behavior Symposium, Denver, CO, July 2014.
14. Cerda-Gonzalez, S, NJ Olby, **EH Griffith**, "Relationship of Dorsal Anlantoaxial Junction Compressive Lesions (Dural Bands) to Clinical Signs and Syringomyelia in Cavalier King Charles Spaniels," American College of Veterinary Internal Medicine Forum, Nashville, TN, June 2014.
15. Shelton, M, **E Griffith**, J Spencer, R Hanel, "Mode of activation significantly impacts thromboelastographic results and assay variability," American College of Veterinary Internal Medicine Forum, Nashville, TN, June 2014.

16. Coleman, AE, TC DeFrancesco, BDX Lascelles, DJ Kleisch, J Sauer, **EH Griffith**, CE Atkins, BW Keene, “Effect of Atenolol on Quality of Life, Activity and Cardiac Biomarkers in Cats with Apparently Asymptomatic Hypertrophic Cardiomyopathy,” American College of Veterinary Internal Medicine Forum, Seattle, WA, June 2013.
17. Oda, A, KM Bailey, GA Lewbart, **EH Griffith**, LP Posner, “Physiologic and biochemical assessments of koi carp (*Cyprinus carpio*) following immersion with propofol,” International Association for Aquatic Animal Medicine Scientific Meeting, Saucalito, CA, April 2013.

Funding

1. National Institutes of Health. PI: MB Fisher. Co-Investigators: AC Brown, LV Schnabel, JA Piedrahita, **EH Griffith**. “Sex- and Age-dependent ACL Function in the Growing Knee Joint.” Funded, April 2018. (Total Amount: \$687,767)
2. National Institutes of Health. PIs: JR Coates, SA Moore. Co-Investigators: D Faissler, NJ Olby, DW Sah. Collaborators: CA London, **EH Griffith**. “A platform trial design to accelerate translational therapies in a canine disease model of ALS.” Funded, June 2018. (Total Amount: \$276,382)
3. North Carolina State University DELTA Critical Path Course Redesign Grant. PI: J Post. Additional Participants: J Duggins, H McGowan, **E Griffith**, and B Alhanti. “Adaptive learning and improved critical thinking skills in ST370.” Funded, August 2017. (Total Amount: \$24,000)
4. North Carolina State University Diversity Mini-Grant Program: PI: **EH Griffith**. Co-Investigators: HM McGowan and AG Wilson. “A Department-wide Mentoring Initiative to Encourage URM Student Success in Statistics.” Funded, November 2016. (Total Amount: \$1,600)
5. Duke/NCSSU Translational Research Grant. PI: Jonathan Fogle. Co-Investigators: BDX Lascelles, JL Tuohy, **EH Griffith**, LB Borst. “Bacterial infection restores anti-osteosarcoma immune function via micro-RNA modulation.” Funded, May 2016. (Total Amount: \$25,000)
6. Winn Feline Foundation. PI: Duncan Lascelles. Co-Investigators: S Vaden, K Messenger, M Gruen, **EH Griffith**. “Evaluation of inflammatory mediator profiles in cats with pain associated with naturally-occurring degenerative joint disease.” Funded, July 2014. (Total Amount: \$22,815)
7. American Kennel Club Canine Health Foundation. PI: J.L. Gookin. Co-Investigators: J.M. Cullen, K.F. Lunn, E.H. Griffith, G. Seiler, K. Mathews. “Metabolic and transcriptional biomarkers of cholesterol and lipid imbalance in dogs with and without diagnosis of a gallbladder mucocele.” Funded, September 2013. (Total Amount: \$135,354)
8. United States Poultry & Egg Association. PI: L. B. Borst. Co-Investigators: S. D. Saunders, H. Barnes, **E.H. Griffith**. “Intestinal Co-infection and Flock Management Risk Factors for *Enterococcus cecorum*-Associated Disease.” Funded, June 2013. (Total Amount: \$51,270)

Honors and Awards

- Nominated for North Carolina State University’s Equity for Women Award (2019)
- Recipient of the Dennis Boos Citizenship Award from the Department of Statistics at North Carolina State University (2017-2018)
- Thank a Teacher (Fall 2016, Fall 2017, Fall 2018)
- Recipient of the 2016-2017 Faculty Diversity Professional Development Award from the College of Sciences at North Carolina State University (2016)

- Recipient of Time Off Award in Recognition of Superior Service to the FBI (2011)
- Earned On-the-Spot Awards twice for acts of service at the FBI (2011)
- Francis G. Giesbrecht Award for Statistical Consulting recipient (2008)
- Phi Beta Kappa National Honor Society (elected 2003)

Teaching

- Spring 2020: ST542: Statistical Practice, 3 credit hours, 22 students; ST491: Statistics in Practice, 3 credit hours, 16 students
- Fall 2019: ST841: Statistical Consulting, 1 credit hour, 16 students
- Summer 2019: ST542: Statistical Practice (online), 3 credit hours, 20 students
- Spring 2019: ST542: Statistical Practice, 3 credit hours, 35 students; ST542: Statistical Practice (online), 3 credit hours, 29 students
- Fall 2018: ST512: Experiment Statistics for the Biological Sciences II (online), 3 credit hours, 17 students; ST431: Introduction to Experimental Design, 3 credit hours, 34 students
- Spring 2018: ST542: Statistical Practice, 3 credit hours, 29 students; ST542: Statistical Practice (online), 3 credit hours, 20 students
- Fall 2017: ST512: Experiment Statistics for the Biological Sciences II (online), 3 credit hours, 25 students; ST431: Introduction to Experimental Design, 3 credit hours, 36 students
- Spring 2017: ST542: Statistical Practice, 3 credit hours, 31 students; ST542: Statistical Practice (online), 3 credit hours, 11 students
- Fall 2016: ST512: Experiment Statistics for the Biological Sciences II, 3 credit hours, 32 students; ST431: Introduction to Experimental Design, 3 credit hours, 39 students
- Spring 2016: ST590: Statistical Practice, 3 credit hours, 31 students
- Spring 2015: ST590: Statistical Practice, 3 credit hours, 16 students
- Spring 2014: ST432: Introduction to Survey Sampling, 3 credit hours, 47 students
- Spring 2013: ST641/841: Statistical Consulting, 1 credit hour, 24 students

Workshops and Short Courses

“Fundamentals of Data,” Data Science and Visualization Institute for Librarians, North Carolina State University, 25 April 2017 and 4 June 2018.

Advising and Mentoring

- **Committees**
 Jamie Nosbisch, Biomathematics, PhD
 Yuhan Wang, Forest Biomaterials, PhD
 Cody Zane, Textiles Chemistry, PhD
 Dianna Francisco, Marine, Earth, and Atmospheric Science, PhD (Earned Spring 2019)
 Shelley Anne Glimcher, Technology Education, EdD
 Steven Lombardo, Fisheries, Wildlife, and Conservation Biology, MS (Expected Fall 2017)
 Cody Zane, Textiles Chemistry, MS (Graduate Summer 2017)
 Yuan Fang, Design, PhD (Graduated Spring 2017)
 Michael Drake, Fisheries, Wildlife, and Conservation Biology, MS (Summer 2016)
- **Undergraduate Research**
 Fall 2019 and Spring 2020: Katherine Scoggins
 Summer 2019: Katherine Scoggins, Madison Stanley, Monika Mori, Joel Hanf, Kim Hoff
 Spring 2019: Steven Chester, Alex Moore, and Katherine Scoggins

Fall 2018: Steven Chester and Alex Moore
Spring 2018: Matteson Teffeteller
Fall 2017: Brady Baker and Matteson Teffeteller
Fall 2016 and Spring 2016: Kristen McCaffrey and Reema Thakkar
Summer 2016: Monica Borges, Sophia McNatton, Sarah Vang
Spring 2016: Emily Zucker

Presentations

- **Invited**
 - August 2020, “Strategies for Training the Next Generation of Applied Statisticians,” Joint Statistical Meetings, Invited Panel Discussion.
 - August 2, 2020, “Modeling Reciprocity: Designing a Collaborative Undergraduate Research Course,” Joint Statistical Meetings, Invited Poster.
 - July 30, 2019, “The Juggling Collaborative Statistician: Which Balls to Drop?” Joint Statistical Meetings, Invited Panel Discussion.
 - July 30, 2017, “Teaching a Large, Project-Based Statistical Consulting Class.” Joint Statistical Meetings, Invited Poster.
 - October 10, 2014, “Playing in Everyone’s Backyard: Statistical Consulting in the Sciences,” AISC, invited session.
 - August 6, 2014, Discussant at JSM for student environmental paper awards.

- **Seminars**
 - September 14, 2019, “Responsible data analyses: avoiding fishing, cherry picking, and other pitfalls,” University of Wisconsin- Madison, School of Veterinary Medicine, TRIP Conference.
 - January 18, 2019, “Statistical Consulting Core: Lessons Learned,” Virginia Commonwealth University, seminar for Department of Statistics.
 - June 21, 2016, “In the Beginning: Practical applications of statistical principles,” Environmental Protection Agency, invited seminar for Community of Practice for Statistics.
 - March 4, 2015, “Adventures in Quality Control: Assessing System Suitability in Liquid Chromatography-Tandem Mass Spectrometry,” UNC-Greensboro, seminar for Statistics and Math Departments.
 - February 4, 2015, “Demystifying Power Analysis,” NCSU College of Veterinary Medicine.
 - February 27, 2014, “Statistical Analysis with SAS and JMP,” Lunch and Learn, NCSU College of Veterinary Medicine.
 - February 28, 2013, “Statistical Software: From Design to Analysis and Beyond,” Lunch and Learn, NCSU College of Veterinary Medicine.
 - February 8, 2013, “Overview of Power Analysis,” NCSU College of Veterinary Medicine.
 - October 16, 2007, “Catch Curve and Capture Recapture Models: A Bayesian Combined Approach,” Bayesian Statistics Seminar, North Carolina State University.

- **Contributed**
 - October 18, 2018, “Professional Strategies Working Group: Developing and Supporting the Next Generation of Statistical Leadership,” Women in Statistics and Data Science, Concurrent Session.

- October 6, 2018, “Special Session: Perspectives on Statistical Consulting – A Panel Discussion,” International Conference on Advances in Interdisciplinary Statistics and Combinatorics.
- July 30, 2018, “Finding Undergraduate Research Projects: Pipelines within a University”, Joint Statistical Meetings, Topic Contributed Paper.
- July 31, 2017, “The Spectrum of Consulting in Academia.” Joint Statistical Meetings, Topic Contributed Paper.
- October 22, 2016, “Pivoting from Novice to Expert: Statistical Consulting in the Sciences.” Women in Statistics and Data Science.
- October 1, 2014, “Playing in Everyone’s Backyard: Statistical Consulting in the Sciences,” NCSU Statistics Club Meeting.
- April 23, 2014, “Statistical Analysis of Veterinary Clinical Trials,” Poster Presentation by Alexandra E. Larsen, Trends and Innovations in Clinical Trial Statistics, Cary, NC.
- December 4, 2013, “Being a Collaborative Biostatistician: Working with Veterinarians,” NCSU Statistics Club Meeting.
- January 23, 2013, “Statistical Consulting within the Federal Bureau of Investigation’s Criminal Justice Information Services Division,” NCSU Statistics Club meeting.
- July 31, 2012, “Estimating Statistical Bias for County Level Crime Rates,” Poster Presentation, Joint Statistical Meetings.
- November 19, 2010, “Creating Positive Decision Making in the ‘Intelligence-Led’ Policing Era through the Analysis of Criminal Justice Data,” Roundtable Discussion, American Society of Criminology.
- August 27, 2010, “Analysis and Uniform Crime Reporting: The Story Behind the Headlines,” Federal Bureau of Investigation/John Jay College Conference on Crime Data.
- August 3, 2009, “Spatial design for the North American Breeding Bird Survey (BBS): An Integrated Approach,” Joint Statistical Meetings.
- October 2, 2007, “A Bayesian Approach to Catch Curve Analysis,” Student Statistical Meetings, North Carolina State University.

Professional Service

- **Editorial Service:**
 - Served as peer reviewer for the following journals: *Biometrical Journal*; *BMC Medical Research Methodology*; *Journal of Agricultural, Biological, and Environmental Statistics*; *Journal of Environmental Engineering*; *Precision Agriculture*; and *Statistical Methodology*.
- **ASA Service:**
 - Elected President to the North Carolina Chapter of the American Statistical Association (2019)
 - Elected Vice-President to the North Carolina Chapter of the American Statistical Association (2018)
 - Elected Vice-President 2 to the North Carolina Chapter of the American Statistical Association (2017)
 - Member of the American Statistical Association’s Committee on Award of Outstanding Statistical Practice, 2015-2017, 2018-2020.
- **University Service:**
 - Elected to the Grievance (607) and Non-Reappointment Committee, 2019-2021.
- **Departmental Service:**
 - Advisory Committee
 - Junior Faculty Representative

- Qualifying Exam Committee

Professional Society Certifications and Memberships

- SAS Certified Base Programmer for SAS 9 (2010)
- American Statistical Association (ASA) member