

Emily Hohmeister Griffith

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Statistics Department
North Carolina State University
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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

- | | |
|------------------------|--|
| Jan 2013 – Present | 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. 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*, accepted.
2. Cone, JA, TM Martin, DJ Marcellin-Little, OLA Harryson, **EH Griffith**, “Accuracy and repeatability of long bone replicas fabricated using low-end commercial 3-D printers,” *American Journal of Veterinary Research*, accepted.
3. 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.
4. 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*, available online. <https://www.ncbi.nlm.nih.gov/pubmed/28510290>
5. Adin, D, C Atkins, M Papich, T DeFrancesco, **E Griffith**, M Pentead, 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>
6. 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>
7. 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>
8. 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>
9. 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>
10. 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>

11. 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>
12. 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>
13. 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>
14. 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>
15. 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>
16. Olby, NJ, S Vaden, K Williams, **E Griffith**, T Harris, C Mariani, K Munana, P Early, S Platt, L Boozer, C Giovanella, 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>
17. 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>
18. 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>
19. 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>
20. 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>

21. 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>
22. 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 *Cytospora felis* infection as compared to a ribosomal gene (18S)," *Veterinary Parasitology*, 225:123-30. <https://www.ncbi.nlm.nih.gov/pubmed/27369587>
23. 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 Chondrodystrophic 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>
24. 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>
25. 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>
26. 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>
27. Rousse, 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>
28. 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>
29. 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>
30. 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>

31. 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>
32. 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>
33. 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>
34. 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>
35. 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>
36. 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>
37. 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>
38. 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>
39. 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>
40. 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>
41. 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>

42. 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>
43. 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>
44. 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>
45. 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>
46. 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>
47. 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>
48. 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>
49. 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>
50. 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>
51. 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>
52. **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.
53. **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.

54. 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. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.

10. 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.
11. 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.
12. 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. Robert Wood Johnson Foundation: County Health Rankings and Roadmaps: PI: J Hu. Co-Investigators: **E Griffith**, A Schneck. “Using County Health Rankings Data to Enhance Market Analyses and Government Regulations for Assisted Living Facilities in North Carolina.” Submitted. (Total Amount: \$49,106)
2. National Institutes of Health: PI: JR Coates, SA Moore, D Faissler. Co-Investigators: CA London, NJ Olby. Collaborator: **EH Griffith**. “A platform trial design to accelerate translational therapies in a canine disease model of ALS.” Submitted. (Total Amount: \$275,000)
3. National Aeronautics and Space Administration (NASA). PI: Steven Frank. Co-Investigators: **EH Griffith**, RR Dunn. “Enlisting citizen scientists to improve global climate models: how do climate and urbanization affect carbon sequestration by trees?” Submitted. (Total Amount: \$1,350,438)
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/NCSU 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

- Thank a Teacher (Fall 2016)

- 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 2017:
 - ST590: Statistical Practice, 3 credit hours, 31 students
 - ST590: 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.

Advising and Mentoring

- **Committees**
 Dianna Francisco, Marine, Earth, and Atmospheric Science, PhD
 Shelley Anne Glimcher, Technology Education, EdD
 Steven Lombardo, Fisheries, Wildlife, and Conservation Biology, MS (Expected Fall 2017)
 Cody Zane, Textiles Chemistry, MS (Expected Summer 2017)
 Yuan Fang, Design, PhD (Graduated Spring 2017)
 Michael Drake, Fisheries, Wildlife, and Conservation Biology, MS (Summer 2016)
- **Student Consultants**
 Hallie Keller and Alice Stevens (Spring 2017)
 Chengchun Shi (Fall 2016)
 Lin Dong (Fall 2015)
 Yizhou Chen and Xiaolong Ma (Spring 2015)
 Sarah Cummings and Yan Zhang (Fall 2014)
 Joshua Day and Huimin Peng (Spring 2014)
 Kristen Gullede and Jennifer Unangst (Spring 2013)
- **Undergraduate Research**
 Kristen McCaffrey (Fall 2016, Spring 2017)

Reema Thakkar (Fall 2016, Spring 2017)
Monica Borges (Summer 2016)
Sophia McNatton (Summer 2016)
Sarah Vang (Summer 2016)
Emily Zucker (Spring 2016)

Presentations

- **Invited**
 - 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**
 - 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**
 - 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 Environmental Engineering, Precision Agriculture, and Statistical Methodology*.
- **ASA Service:**
 - 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.
- **Departmental Service:**
 - Advisory Committee (2016-Present)
 - Junior Faculty Representative (2016-Present)
 - Search Committee (TAP) 2015-2016
 - Qualifying Exam Committee (January 2015)
 - Seminar Committee (Member, 2015-2016)
 - Datafest Judge (2014)
 - Beach Trip Committee (Chair 2013, Member 2014)

Professional Society Certifications and Memberships

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