

Evan Fitzgerald Griffith

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Education

Ph.D. Infectious Disease and Global Health Student Cummings School of Veterinary Medicine at Tufts University, North Grafton, MA	2026
Doctor of Veterinary Medicine with Thesis Cummings School of Veterinary Medicine at Tufts University, North Grafton, MA	2021
Master of Public Health Tufts University School of Medicine, Boston, MA	2021
International Veterinary Medicine Post-Graduate Certificate Cummings School of Veterinary Medicine at Tufts University, North Grafton, MA	2021
Master of Science in Conservation Medicine Cummings School of Veterinary Medicine at Tufts University, North Grafton, MA	2017
Bachelor of Arts in Biology Grinnell College, Grinnell, IA	2015

Work Experience

Associate Veterinarian Northern Rhode Island Animal Hospital, Forestdale, RI 02824	2021 – 2023
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Research/Intervention Experience

Independent Research, Principal Investigator Cummings School of Veterinary Medicine at Tufts University, North Grafton, MA <i>Impacts of the COVID-19 pandemic on food security among East and West African pastoralists</i> <ul style="list-style-type: none">Led review of current literature and writing of book chapter	2021
Independent Research, Principal Investigator Cummings School of Veterinary Medicine at Tufts University, North Grafton, MA <i>COVID-19 in Pastoral Contexts in the Greater Horn of Africa: Implications and Recommendations</i>	2020

- Conducted an expert-opinion elicitation with professionals that work with pastoralists in the Greater Horn of Africa to understand the implications of COVID-19 and develop recommendations that protect public health, livelihoods, and food security

Independent Research, Co-Investigator

2019

Cummings School of Veterinary Medicine at Tufts University, North Grafton, MA
Knowledge, Attitudes, and Practices of Outdoor Cat Owners

- Created a knowledge, attitudes, and practices (KAP) survey for the public regarding threats faced and posed by owned outdoor cats

Student Researcher

2019

Cummings School of Veterinary Medicine at Tufts University, North Grafton, MA
The Use of Drones to Combat Rift Valley Fever in Rwanda: Perceptions and Recommendations
 Principal Investigator: Hellen Amuguni, DVM, MA, PhD

- Conducted semi-structured interviews with key informants involved with zoonotic disease control and prevention and Zipline drone operation in Rwanda to identify perceptions, opportunities, and barriers of using drones in Rift Valley Fever prevention and control
- Conducted qualitative analysis using NVivo

Student Researcher

2018

Cummings School of Veterinary Medicine at Tufts University, North Grafton, MA
A One Health framework for integrated service delivery in Turkana County, Kenya
 Principal Investigator: Alison Robbins, DVM, MS

- Conducted semi-structured interviews with community members, human health officials, and animal health officials
- Identified perceptions on the integration of public services, including human and animal health services in Turkana county
- Used participatory epidemiology methods to understand community perceptions of human and livestock disease importance and epidemiology
- Conducted qualitative analysis using NVivo
- Wrote policy brief to distribute results of research to policymakers in Turkana

Research Extern

2017

Molecular Helminthology Laboratory
 Cummings School of Veterinary Medicine at Tufts University, North Grafton, MA
Using Immunological Methods to Localize Schistosome Tegument Proteins
 Principal Investigator: Patrick Skelly, PhD

- Isolated parasites from infected snails, collected cercariae and prepared schistosomula
- Cultured larval parasites using aseptic techniques
- Immunolocalized schistosome proteins using specific (in-house) antibodies that target defined antigens in larval and adult worms

Research Intern 2015

Arid Recovery Reserve, Roxby Downs, South Australia

Prey Naivety Trial Using Western Quolls at Arid Recovery, South Australia

Principal Investigator: Rebecca West, PhD

- Trapped bettongs (Rat Kangaroos), western quolls, and greater bilbies; scored bettong and bilby release behaviors
- Performed flight initiation distance experiments with bettongs
- Monitored radio collared stick-nest rats, feral cats and western quolls
- Conducted quantitative behavioral analysis with JWatcher

Research Assistant 2015

Rocky Mountain Biological Laboratory, Gothic, CO

Blumstein Lab, University of California Los Angeles, Los Angeles, CA

Principal Investigator: Daniel Blumstein, PhD, MS

- Observed yellow-bellied marmots in the field and participated in daily trapping
- Conducted flight initiation distance experiments with marmots
- Conducted quantitative behavioral analysis with JWatcher

Research Fellow 2014

National Science Foundation, Research Experiences for Undergraduates (REU)

Rocky Mountain Biological Laboratory, Gothic, CO

Blumstein Lab, University of California Los Angeles, Los Angeles, CA

Principal Investigator: Daniel Blumstein, PhD, MS

- Observed yellow-bellied marmots in the field and participated in daily trapping
- Conducted flight initiation distance experiments
- Conducted quantitative behavioral analysis with JWatcher

Student Researcher 2014

Organization for Tropical Studies South Africa, Skukuza, South Africa

African Ecology and Conservation Program

Program Director: Laurence Mohr Kruger, PhD

- Investigated the relationship between ecological factors and avian hemo- and ectoparasite prevalence in Kruger National Park
- Studied the impact of elephants on marula tree demographics

Student Researcher 2013

Grinnell College, Grinnell, IA

Mentored Advanced Project

Principal Investigator: Shannon Hinsa, PhD

- Determined antibiotic resistance using disk susceptibility and broth dilution tests on *E. coli* isolates from a Poweshiek County hog confinement
- Identified specific antibiotic resistance genes using PCR analysis

Publications

Griffith, E. F., Kipkemai, J.R., Nakadio, E. L., Smith, L. J., Amuguni, J. H. (2023). One Health in Turkana County, Kenya: Applications and Lessons Learned. *CABI One Health Cases* (Under review).

Griffith, E. F., Schurer, J. M., Mawindo, B., Kwibuka, R., Turibyarive, T., & Amuguni, J. H. (2023). The Use of Drones to Deliver Rift Valley Fever Vaccines in Rwanda: Perceptions and Recommendations. *Vaccines*, 11(3), 605.

Griffith, E. F., Craige, S., Manzano, P., Pius, L., & Jost, C. C. (2021). Impacts of the COVID-19 pandemic on food security among East and West African pastoralists. In *Advances in Food Security and Sustainability*. Elsevier.

Griffith, E. F., Pius, L., Manzano, P., & Jost, C.C. (2020). COVID-19 in pastoral contexts in the Greater Horn of Africa: implications and recommendations. *Pastoralism*, 10, 22.

Griffith, E. F., Kipkemai, J. R., Robbins, A. H., Abuom, T. O., Mariner, J. C., Kimani, T., & Amuguni, H. (2020). A One Health framework for integrated service delivery in Turkana County, Kenya. *Pastoralism*, 10, 1-13.

Lectures and Presentations

One Health Networks: Threats at the human-animal-environment interface 2023
MS-IDGH (IDGH 565): Global Health and Threats of Emerging Pandemics
Cummings School of Veterinary Medicine at Tufts University, North Grafton, MA

One Health and Pastoralism 2022
VET 135: International Veterinary Medicine
Cummings School of Veterinary Medicine at Tufts University, North Grafton, MA

Only Mountains Can't Meet: One Health Research in the Greater Horn of Africa 2021
International Veterinary Medicine Post-Graduate Certificate Forum
Cummings School of Veterinary Medicine at Tufts University, North Grafton, MA

Identifying the Potential Uses of Drones to Combat Rift Valley Fever in Rwanda 2019
30th Annual Veterinary Student Research Day
Cummings School of Veterinary Medicine at Tufts University, North Grafton, MA

A Proposed One Health Framework for Combined Service Delivery and Disease Surveillance in Turkana County, Kenya 2019
Poster presentation
3rd One Health Central and East Africa (OHCEA) International One Health Conference, Kampala, Uganda

One Health: The Way Forward in Turkana County, Kenya 2018
 29th Annual Veterinary Student Research Day
 Cummings School of Veterinary Medicine at Tufts University, North Grafton, MA

Integrated Schistosomiasis Control in Sub-Saharan Africa: 2017
A Conservation Medicine Solution for a Neglected Tropical Disease
 Master of Science in Conservation Medicine Case Study Presentations
 Cummings School of Veterinary Medicine at Tufts University, North Grafton, MA

Leadership Experience

North America Continent Representative January 2019 – December 2020
 International Student One Health Alliance (ISOHA)

- Contribute to planning ISOHA events (e.g. Who's Who in Student One Health Webinar) and contacting student One Health groups in North America

President, Students for One Health Club May 2018 – May 2019
 Cummings School of Veterinary Medicine at Tufts University, North Grafton, MA

- Planned events and activities, brought in speakers for lunch talks, facilitated elementary school outreach and coordinated cadaver exchange with the veterinary, medical, dental, public health, and biomedical students

Co-Chair, Tufts SAVMA One Health Committee May 2018 – May 2019
 Cummings School of Veterinary Medicine at Tufts University, North Grafton, MA

- Developed and led One Health Night that brought Tufts faculty and outside professionals together with students to explore various One Health case studies

Vice President, Veterinarians for Global Solutions Club May 2018 – May 2019
 Cummings School of Veterinary Medicine at Tufts University, North Grafton, MA

- Contributed to club events including informal networking events where students and faculty talked about their international experiences

Student Representative, American Heartworm Society (AHS) May 2018 – May 2019
 Cummings School of Veterinary Medicine at Tufts University, North Grafton, MA

- Informed veterinary students about the resources available to them and their future clients
- Presented a lecture on Heartworm medications on National Heartworm Day

Grants

Summer Research Grant – Awarded \$5000 2019
 The Cummings Foundation: Tufts-UGHE One Health Collaborative

Summer Research Grant – Awarded \$5000 2018
 Department of Infectious Disease and Global Health Contingency Funds
 Cummings School of Veterinary Medicine at Tufts University, North Grafton, MA

Awards, Scholarships, and Honors

DVM/MPH Academic Achievement Award 2021
 Public Health and Professional Degree Program
 Tufts University School of Medicine, Boston, MA

Sheila Moffat International Veterinary Medicine Award 2021
 Cummings School of Veterinary Medicine at Tufts University, North Grafton, MA

Roome International Fund, Scholarship 2019 – 2020
 Cummings School of Veterinary Medicine at Tufts University, North Grafton, MA

Barbara Brewster Bonner, V94, Scholarship 2018 – 2019
 Cummings School of Veterinary Medicine at Tufts University, North Grafton, MA

Honors in Biology 2015
 Grinnell College, Grinnell, IA

Professional Development

Pastoralism in Development 2023
 International Institute for Environment and Development (IIED)
 Massive Open Online Course (MOOC)

Pastoralism and Uncertainty 2020
 PASTRES (*Pastoralism, Uncertainty and Resilience: Global Lessons from the Margins*)
 Research Programme, Online Course

One Health Leadership and Advocacy Workshop Participant 2019
 The Cummings Foundation: Tufts – University of Global Health Equity (UGHE)
 One Health Collaborative
 Cummings School of Veterinary Medicine at Tufts University, North Grafton, MA

Licensing and Certifications

Rhode Island Veterinary License 2021
 Rhode Island Board of Examiners in Veterinary Medicine

Providence, RI 02908

Michigan Veterinary License

2020

North American Licensing Examination (NAVLE)

Fear Free Certification

2020

Fear Free, LLC, Denver, CO

Initial Accreditation Training

2018

USDA National Veterinary Accreditation Program