

College of Veterinary Medicine

Name:

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Title: *Instructor*


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EDUCATION/TRAINING

Institution and Location	Degree	Graduation Year	Major
Tuskegee University / Tuskegee, AL	Certification (Course completion)	2022	Online Teaching and Course Design
Tuskegee University / Tuskegee, AL	MS Vet Science	2019	Veterinary Parasitology
Mesmer Animation Lab / Seattle, WA	Certificate (Course completion)	2008	3D Modeling and Animation
Tuskegee University / Tuskegee, AL	Internship	1996	Anatomical Pathology
Tuskegee University / Tuskegee, AL	DVM	1995	Veterinary Medicine
Tuskegee University / Tuskegee, AL	BS	1990	Biology

TEACHING

- **VMED 816** (Veterinary Parasitology / Fall 2025, New Curriculum)
- **PATH 635** (Protozoology / Fall 2024)
- **VMED 804** (Infection and Immunity I / Parasitology I / Fall 2017 – Fall 2023)
- **VMED 810** (Infection and Immunity II / Parasitology II / Spring 2018 – Spring 2024)

RESEARCH INTERESTS

Parasitology – Focus: Studying canine Hookworm development in order to find a natural and environmentally-friendly means of preventing Cutaneous Larval Migrants, a skin disease in humans, caused by infective L3 Hookworm larvae in the environment.

3D Animation and 3D Printing – Focus: Incorporating and using 3D modeling, printing and scanning technology to enhance/support concepts in teaching and learning in the veterinary medical curriculum, and as a skillset in the veterinary medical profession

RECENT PUBLICATIONS

- Quinn-Gorham, D. M., Anderson, D. L., Graham, T. C., and Heath, J., *The Potential of Garlic Juice as A Natural Approach to Preventing Hookworm Egg Development to Infective L3 Larvae* (in progress)

PATENTS

- U. S. Patent, The Manifold Scalpel Handle (supplemental components/variations), Patent Date: September 19, 2023, U.S. Patent No. US 11,759,230, B1 Patent (2023)
- U. S. Patent, The Manifold Scalpel Handle, Patent Date: May 25, 2021, U.S. Patent No. 11,013,529, B2 Patent (2021)

PRESENTATIONS

- **“From Idea to Patentability”**. Webinar for Tuskegee University faculty and staff on the steps required to obtain a patent for an idea, Tuskegee University (2023)
- **Faculty Learning Module** - Module created and developed for faculty of the Tuskegee University College of Veterinary Medicine to demonstrate and described how to format and upload tests questions into Blackboard (2023)

SERVICE/COMMUNITY OUTREACH

- **Chair** - Intellectual Property (IP) Committee, Tuskegee University (ongoing)
- **After-Hours Virtual Interactive Student Advisory Sessions** – Developed to facilitate quality time with students with academic challenges in the Parasitology courses (ongoing)
- **Parasitology Consultation** – Provision of consultation to faculty, staff, and students regarding inquiries concerning veterinary parasitology (specimen, photos, etc., ongoing)
- **Development of Online Interactive Parasitology Modules** – Review of key topics in Veterinary Parasitology (ongoing)
- **Development of Online Elective Course** – Elective for Veterinary Parasitology (ongoing)
- **Creation and Maintenance of 3D Printing Lab** – Created to produce veterinary anatomical models, digital 3D image archives, and student training (ongoing)
- **Creation of Elective Course, *Applications of 3D Printing in Veterinary Medicine*, for Veterinary Students** (in progress/ongoing)
- **Interdisciplinary Collaborations (Veterinary Medicine and Engineering)** - Project will involve veterinary students and engineering students working together to design and produce veterinary anatomical models (ongoing)
- **Shady Grove Missionary Baptist Church** – Lifelong member and provision of assistance and volunteer services to various auxiliaries (ongoing)
- **Youth Praise Ministry Coordinator** - Shady Grove Missionary Baptist Church (ongoing)
- **Veterinary Consultation** – Provision of advisement to local community members regarding concerns with pets or livestock, public safety concerns (ongoing)
- **Creation of App (Animal Management and Disasters)** – Designed to aid people in the community and beyond, in quickly accessing information to manage pets and livestock before, during, and after natural disasters occur (ongoing)

ORGANIZATIONS

- **American Association of Veterinary Parasitologists (AAVP)**
- **Phi Zeta Honor Society of Veterinary Medicine** (Honorary Life Membership, Rho Chapter, Tuskegee University College of Veterinary Medicine)
- **Alpha Kappa Alpha Sorority, Inc.**
- **Jack and Jill of America, Inc.**
- **United Inventors Association**