One Health Approach to Carcinogenesis

Research emphasis:
In his dual roles as a toxicologic pathology fellow at the National Institute of Environmental Health Sciences’ National Toxicology Program (NIH) and a PhD candidate at NCSU, Dr. Krane investigates the role environmental agents play in causing cancer. His dissertation research is part of a collaboration between the NCSU CVM, the NIEHS, and Duke Medical Center working towards elucidating causes of bladder cancer in both dogs and humans via exome sequencing. Dr. Krane seeks a career as an investigative toxicologic pathologist involved in drug discovery and safety assessment.

Applications:
- Genetic Sequencing
- Animal Models
- Carcinogenesis

Research Strengths:
- Anatomic Pathology
- Toxicologic Pathology
- Comparative Medicine

Publications and Abstracts:

