

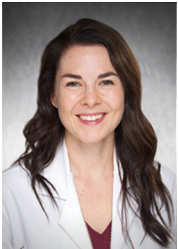


Translational Pathology Shared Resource

TRANSLATIONAL PATHOLOGY SHARED RESOURCE

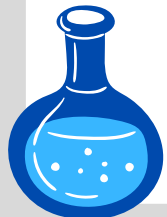
TPSR COMPARATIVE PATHOLOGIST SERVICES

Katherine Gibson-Corley, DVM, PhD, DACVP



**Dr. Gibson-Corley is the new
director of Comparative
Pathology and Research
Histology in the TPSR!**

She is a board-certified veterinary pathologist with over 12 years of comparative pathology experience and spent the past 9 years as the Director of the Comparative Pathology Laboratory at the University of Iowa, Carver College of Medicine before coming to VUMC. She has expertise in phenotyping of animal models of human disease as well as novel immunohistochemical validation and histopathologic scoring. She and her colleague, Chris Pinelli, DVM, PhD, DACVP, are available for consultation and collaboration on a wide variety of studies involving animal models and are excited to become actively involved in collaborative research and scholarship at VUMC and VU.



Click here to collaborate or email her at katherine.gibson-corley@vumc.org

Consultation & collaboration with comparative pathologists

- Experimental design
- Grant and manuscript writing support
- Problem solving
- Tissue examination and interpretation
- Written reports
- Digital image collection
- Histopathologic scoring
- Morphometric analysis

Necropsy

- Comprehensive anatomic phenotyping
- Tissue-specific prosection
- Specialized tissue fixation

Formalin-fixed tissues

- Tissue processing
- Paraffin-embedding
- Microtome sectioning and specialty sectioning expertise
- Tissue decalcification
- Routine (H&E) and special histochemical staining

Frozen tissues

- OCT-embedding
- Cryosectioning

Immunohistochemistry and RNAscope

- Protocol development
- Validation and optimization
- Antigen retrieval