Comparative Behavior

Research emphasis:
Dr. Sherman’s research emphasis is on clinical animal behavior. She studies the diagnosis and treatment of anxiety and fear-related disorders in companion animals. Clinical trials of behavioral drugs have led to FDA approval. A longitudinal study of cognitive impairment in cats infected with feline infectious viremia (FIV) serves as an animal model for HIV.

Recent studies have focused on behavioral assessment of animals to optimize performance and welfare. Collaboration with NC State computer scientists and engineers have led to innovations in remote physiological assessment of working dogs and remote communication of service dogs with their handlers.

Application:

- Client-owned dogs with behavioral disorders (anxiety, compulsive, aggression)
- Client-owned cats with behavioral disorders
- Computer/dog communication
- Behavioral assessment of animal cognition & welfare

Collaboration potential:

- Clinical application of behavioral drugs
- Effect of environmental stressors on the behavior and endocrine status of animals
- Human-animal communication
- The human-animal bond

Selected publications:


