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# NWRC Research Scientists: Dr. Katherine E. Horak

Last Modified:

Dr. Katherine Horak is a pharmacologist and toxicologist at the National Wildlife Research Center.

## Research Project

### [Population Management](#)

The goal of the Population Management Project is to develop injectable and oral contraceptives to manage overabundant wildlife populations and reduce the spread of zoonotic diseases.

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## Current Research

Dr. Horak is currently involved in the development of physiologically-based pharmacokinetic models of anticoagulant rodenticides warfarin and diphacinone for rats and quail. These models will generate approximations of rodenticide residues in various tissues and, therefore, provide a means to estimate the sensitivity of non-target species to rodenticide residues.

## Publications

[View Dr. Katherine E. Horak's publications.](#)

## Education

- Ph.D., Pharmacology and Toxicology, 'CD4+ lymphocyte regulation of vascular and cardiac extracellular matrix structure and function, University of Arizona
- B.S., Mathematics, Northern Arizona University
- B.S., Biology, Northern Arizona University

## Contact

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