Research Statement, Wendy Turner

My lab does research on the ecology and evolution of infectious diseases, currently focused on environmentally-transmitted and vector-borne parasites/pathogens. We study ecological, behavioral and genetic factors affecting disease transmission, including host-pathogen interactions, host susceptibility, and pathogen persistence in the environment, and how together these contribute to outbreak seasonality and long-term patterns in disease dynamics within and among host species.

I have a long-term research site in Etosha National Park, Namibia, studying the anthrax bacterium, *Bacillus anthracis*, infecting herbivorous wildlife. At UAlbany, my lab is developing additional study systems looking at the ecology and evolution of vector-borne diseases in New York State and the surrounding areas.

For additional details on research projects, people and opportunities, see the Turner Lab website: http://wendyturner.org.