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Area of Expertise:

- Population and community ecology
- Entomology
- Integrated pest management
- Socio-ecological systems

Focus of Research:

- Socio-ecological determinants of watershed health
- Ecology and management of vector and pest mosquitoes

Current Funded Projects (Source):

- Novel 'Attract and kill' baits for disease vectors of Zika and Dengue (USDA-ARS)
- Effects of tire contamination on the invasion and spread of mosquitoes (Maryland Agricultural Experimental Station)
- Sustainable Community-Oriented Stormwater Management (S-COSM) (US-EPA)
- Watershed diagnostics for improved adoption of management practices: Integrating biophysical and social factors (USDA-NIFA)
- Urban disamenities and pests: Coupled dynamics of urban mosquito ecology and human systems across socio-economically diverse communities (NSF)