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### Area of Expertise:

- Avian ecology
- Radar ornithology
- Landscape ecology
- Conservation biology

### Focus of Research:

- Mapping wild bird distributions with weather surveillance radar
- Risk mapping of Highly Pathogenic Avian Influenza (HPAI) based on waterfowl distributions
- Wildlife response to habitat management
- Stopover ecology of migratory land birds
- Identifying important stopover areas for conservation of migratory birds

### Current Funded Projects (Source):

- *Waterfowl and Highly Pathogenic Avian Influenza (HPAI): Spatio-Temporal Risk Mapping of HPAI in the Central Valley of California.* (**University of California Davis, Division of Agriculture and Natural Resources**)
- *Evaluating the impact of artificial light on the flight behavior and stopover ecology of nocturnally-migrating birds.* (**University of Delaware College of Agriculture and Natural Resources**)
- *Comprehensive assessment of the distribution, abundance, timing and habitat affiliations of migratory birds during spring and fall on the U.S. coast of the Gulf of Mexico.* (**National Fish and Wildlife Foundation**)
- *Developing methodology and written procedure for ECCC Scientists to map stopover habitats for migratory landbirds using Canadian weather surveillance radars.* (**Environment Canada**)
- *Do street lights affect flight behavior of nocturnally migrating birds?* (**Experiment.com**)