

MSc position on snowshoe hare population ecology on Isle Royale National Park (UW-Madison)

The repatriation of wolves to Isle Royale represents a unique opportunity to quantify the effects of wolves not only for their main prey (moose), but also for other mammals that inhabit the island. We are currently studying the response of martens and foxes to wolf repatriation and are now recruiting a MSc graduate student to join our team to study the drivers behind the population dynamics of snowshoe hares. The selected candidate will analyze historical and ongoing survey data of snowshoe hare density to explore the cyclicity of this island population, and use occurrence data as well as GPS collared hares to explore habitat quality and connectivity and survival to explore potential effects of wolf presence and absence. The student will be advised by Dr. Jonathan Pauli (<https://pauli.russell.wisc.edu/>) and work closely with biologist and natural resources program manager Mark Romanski at Isle Royale National Park. This position will start in January 2023. The research assistantship includes an annual stipend, tuition remission and health care benefits.

Applicants with a BSc degree in ecology, wildlife biology, zoology, or other related discipline are preferred, but we will consider exceptional applicants if they have relevant experience. Knowledge of mammalian ecology, population dynamics, and statistics is sought. The preferred candidate will also have previous experience collaborating with natural resource agencies and working in remote locations for fieldwork. Excellent English writing and verbal communication skills are essential.

Review of applicants will begin immediately, but the position will remain open until a suitable candidate is found. The University of Wisconsin-Madison is an equal opportunity/affirmative action employer. We promote excellence through diversity and encourage all qualified individuals to apply. The position is open to both US citizen and international candidates.

UW-Madison has a long history of excellence in ecology, conservation biology and wildlife management. The university ranks consistently among the top research universities in the United States. Total student enrollment is 43,000, of which approximately 12,000 are graduate and professional students, and there are over 2,000 faculty. UW-Madison is an exciting place to learn and conduct research. The city of Madison ranks as one of the most attractive places in the U.S. to live and work. For information about campus and city, please see <https://exploreuw.wisc.edu/> and <https://madison.wisc.edu/>.

To apply, please fill out a short survey and upload 1) a cover letter summarizing your research interests and experience, 2) curriculum vitae, and 3) unofficial transcripts or summary of relevant coursework (both undergraduate and graduate) at the following site: https://uwmadison.co1.qualtrics.com/jfe/form/SV_6Wq2yUkK03EjxFY. If you experience problems or have questions while filling out the application, please email Renee Klann (rklann@wisc.edu). After reviewing all applicants, we will ask for reference letters from top candidates.