YALE UNIVERSITY | ECOLOGY & EVOLUTIONARY BIOLOGY

PhD Position

Muñoz Lab • Fall 2027

Thermal ecology • Physiology • Population genomics • Caribbean anoles

The Muñoz Lab in the Department of Ecology and Evolutionary Biology at Yale University is recruiting a PhD student to begin in Fall 2027. We are looking for a highly motivated student interested in the thermal ecology, physiology, and population genomics of Caribbean anole lizards. The student will join an NSF-funded research program investigating the role of behavior in evolution.

Our research asks how organisms, through their behavior, influence the selection they experience and, ultimately, their evolutionary trajectories. Using Caribbean anoles, we are investigating how thermoregulatory behavior shapes physiological and morphological evolution and patterns of gene flow across environmental gradients. The project brings these dimensions together to ask how the same behavior can have different evolutionary consequences for different traits and at different levels of biological organization.

The student will combine fieldwork in the Caribbean with organismal physiology, behavioral ecology, and population genomic approaches. Field research will take place across elevational gradients in the Dominican Republic, Puerto Rico, and Jamaica, providing opportunities to work with an ecologically and evolutionarily diverse group of lizards in the field and laboratory.

The student will join a highly collaborative research environment in Yale's Department of Ecology and Evolutionary Biology, which has broad strengths across ecology, evolution, genomics, organismal biology, and quantitative biology. Students also benefit from the wider intellectual community at Yale, including the Yale Peabody Museum and the Yale Institute for Biospheric Studies.

We welcome applicants with backgrounds in ecology, evolutionary biology, organismal biology, physiology, genomics, or related fields.

Prospective students should apply through the PhD program in Ecology and Evolutionary Biology at Yale University. Interested students are encouraged to contact Martha Muñoz with a CV and a brief description of their research background and interests. Email: martha.munoz@yale.edu