We are seeking a postdoctoral statistical or quantitative animal ecologist interested in developing a resource selection modeling framework to estimate diel patterns (24-hour period) for a global distribution of mammals. This framework will be used to estimate the temporal use, selection, and plasticity of mammal species globally. Data for this analysis will come from large-scale datasets of mammal detections from camera-trap images with known spatial-temporal locations. Estimated temporal use throughout the diel period will be compared with traditional categorical designations of time use from the primary literature (e.g., diurnal, nocturnal). Consideration will be given to developing a more holistic classification of the temporal niche. Temporal plasticity will be investigated by considering environmental (latitude) and anthropogenic features (development). Depending on available time, additional focus could be on contrasting modeling frameworks to fit animal temporal activity data.

Postdoctoral candidates must have a background in statistics and ecology, modeling and coding experience, and a fundamental knowledge of probability and statistics. Ideally, candidates will have experience synthesizing and analyzing large datasets with varying sampling designs and experience working with camera-trap data. Annual salary is $58,000-$65,000 (depends on experience) with benefits. We are expecting a start date of September, 2021 (with flexibility). Funding is secured for 12-16 months. Work can be done remotely or on site at the University of Rhode Island.

This work will be done through the Department of Natural Resources Science at the University of Rhode Island with Dr. Brian Gerber (https://web.uri.edu/gerberslab/), and in collaboration with Dr. Mason Fidino (https://masonfidino.com/), and Zach Farris (https://hes.appstate.edu/faculty-staff/zachary-farris)

REQUIRED QUALIFICATION:
- Completed PhD in ecology, statistics, conservation biology, wildlife biology, or quantitative ecology.
- Demonstrated knowledge of hierarchical modeling (likelihood and Bayesian).
- Demonstrated advanced programming experience (e.g., R, C++).
- A record of research productivity and success in publishing peer-reviewed journal articles.

PREFERRED QUALIFICATION:
- Strong interest and demonstrated knowledge within the field of animal ecology.
- Experience with resource selection modeling (i.e., point-process models).
- Demonstrated experience synthesizing large datasets with varying sampling designs.
- Possess strong collaboration and time-management skills.
- An interest in collaboration and mentoring with graduate students.
- Experience working with camera-trap data.

Please send a single document that includes a letter of interest (1-2 pages), CV, and contact information for 3 references to bgerber@uri.edu. The cover letter should specifically comment on each of the required and preferred qualifications. Please use the Subject Line: Temporal Activity Postdoctoral Application. Review of applications will begin July 1, 2021. Please specifically state if you are applying to only work remotely.