

## Postdoctoral Scholar

The Resilience In Species and Ecosystems (RISE) project at the University of Texas at Austin seeks a postdoctoral collaborator interested in studying the impacts of climate and landscape change on species and their interactions. This effort is part of Planet Texas 2050<sup>1</sup> with funding from the Bridging Barriers grand challenge initiative of the Office of the Vice President for Research, Scholarship, and Creative Endeavors, and thus offers opportunities for interaction with a wide range of researchers across the university. The RISE project core group is composed of Timothy Keitt<sup>2</sup>, Shalene Jha<sup>3</sup>, and Eric Abelson<sup>4</sup> (Integrative Biology), Anthony Di Fiore<sup>5</sup> (Anthropology), Preston Wilson<sup>6</sup> (Mechanical Engineering), and Ashley Metheny<sup>7</sup> (Geosciences).

A primary goal of RISE is to assemble data needed to better understand how natural communities in and around Texas are responding to human-induced changes in the environment and what effects these changes have on the ecological services they provide. To this end, we utilize available environmental and biodiversity datasets, especially citizen science data, such as eBird. The team is also actively developing technology for *in-situ* sensing of biodiversity, micro-climate, and ecosystem processes. Deployment of these systems at scale will greatly improve our ability to monitor and predict species and ecosystem responses to a changing climate<sup>8</sup>. The postdoctoral collaborator will have opportunities to advance their skills in areas of data science, machine learning, informatics, and electronics relevant to the project. The primary duty is research development in collaboration with the team. Specific tasks include conducting and documenting analyses, preparing manuscripts for publication, and project data management. We seek a team player with a strong interest in mentoring students from a variety of backgrounds who are engaged in the assembly and testing of *in-situ* sensing devices. The successful candidate will be expected to play a strong supporting role in project coordination and reporting.

The postdoctoral collaborator will be supervised by Timothy Keitt in the Department of Integrative Biology, who, along with the core team, will provide mentoring and career guidance, including a jointly-written career advancement plan and opportunities to collaborate in pursuing emerging funding sources as they arise. The RISE project is strongly committed to the principles of diversity, equity, and inclusion, and requires professional conduct of all participants at all times. Interested candidates should send a cover letter outlining their professional goals and interest in the project, their CV, and the names and contact information for three references to [tkeitt@utexas.edu](mailto:tkeitt@utexas.edu).

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<sup>1</sup> <https://bridgingbarriers.utexas.edu/planet-texas-2050>

<sup>2</sup> <https://www.keittlab.org/>

<sup>3</sup> <https://w3.biosci.utexas.edu/jha/>

<sup>4</sup> <https://ericabelson.weebly.com/>

<sup>5</sup> <https://liberalarts.utexas.edu/anthropology/faculty/ad26693>

<sup>6</sup> <https://www.me.utexas.edu/people/faculty-directory/wilson>

<sup>7</sup> <https://www.jsg.utexas.edu/matheny/>

<sup>8</sup> <https://doi.org/10.1126/science.abi4692>