

2024

IBEEM Postdoctoral Fellowship

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MSU's Institute for Biodiversity, Ecology, Evolution, and Macrosystems (IBEEM) is accepting applications for 2024 IBEEM Postdoctoral Fellows. Funding is available for partial support for teams of 2 or more MSU postdocs to conduct research aligning with IBEEM's open questions.

IBEEM's mission is to conduct transformative research that integrates ecology and evolution across scales and that advances understanding and prediction of how biodiversity and ecosystem functions and services respond to global changes. IBEEM's overarching question is: What makes the biodiversity of a species, population, community, or ecosystem resilient to global changes? One of IBEEM's goals is to produce several high-profile, synergistic papers focused on the following **open questions**: 1) How do genetic diversity, local adaptation, and biotic interactions mediate the response of biodiversity and ecosystem function to global change? 2) How do different dimensions of biodiversity (genetic, taxonomic, functional, phylogenetic) respond to global change across spatial and temporal scales, latitude, and climate gradients? 3) What makes a species, population, community, or ecosystem resilient to global change?

IBEEM includes expertise in Ecology, Evolution, and Behavior; Geography & Earth Science; Computer Sciences, Math, Statistics, and Engineering; and Big Data & Data Analytics. It also includes leaders of world-class research centers, programs, & networks. IBEEM aims to link independent projects and investigators at MSU, capitalizing on synergies and interdisciplinary expertise to conduct transformational science. To that end, IBEEM is announcing a call for the third cohort of fellows: current MSU postdocs who are interested in expanding their research program and work on additional, integrative projects.

IBEEM Postdoctoral Fellows will work together in research teams to synergize across their research areas and to produce at least one collaborative paper per team addressing some aspect of one or more of the open questions above. Fellowships are \$15,000 per fellow and we expect to support 4-6 IBEEM postdoctoral fellows during the 2024. Fellowship funds are used to cover a portion of the postdocs' salary and fringe for current MSU postdocs. Fellows will be expected to attend and contribute to the IBEEM All-Hands meetings during the year of their support. Given IBEEM's focus on collaborative and interdisciplinary research, applications are requested from new or established **research teams of postdocs** consisting of 2+ postdocs. Advisors of postdocs are expected to approve of the proposals and are welcome to participate in collaborative team. **Research teams** should submit a 2 page document explaining how their research and expertise could contribute to a synthesis paper (which includes empirical and/or theoretical analysis) related to one or more of IBEEM's open questions, a <1 page outline of a potential paper topic, and the postdocs' CVs by **5pm on November 17th**. Attach all materials as a single PDF to an email addressed to: ibeem@msu.edu. Successful postdoctoral teams will be selected by mid December 2023.

To facilitate postdoc collaboration and networking across IBEEEM and beyond, IBEEEM will host two networking events for all MSU postdocs and faculty in the areas of Biodiversity, Ecology, Evolution, and Macrosystems. These networking events will occur in the EEB Suite in BPS 1440: **October 19, 10-11:30am US Eastern; November 2, 2023, 10-11:30am US Eastern.** Ahead of the first session, each attending postdoc will submit a single slide with information about their research interests. The meeting will include a brief introduction to IBEEEM, a short presentation from the current IBEEEM Postdoctoral Fellows, 1-minute presentations by each attending postdoc using their single slide, Q&A about the IBEEEM Fellowship application, and time for brainstorming in small groups about IBEEEM postdoc team proposals. To sign up to participate, please use the following link, and please **sign up by noon on Monday, October 16th**: <https://forms.gle/kqK9barD7t7WSccR7>.

Session attendance is NOT required to submit a proposal to be an IBEEEM Postdoctoral Fellow.

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