Penn State’s Department of Entomology and Center for Pollinator Research seeks a Postdoctoral Scholar, Research Associate to contribute to a USDA-NIFA-AFRI and Foundation for Food and Agricultural Research funded project to model the effect of land use pattern, environmental conditions, and management practices on honey bee and wild bee health. The selected Associate will work with collaborators who are developing longitudinal data sets of honey bee colony weight (obtained from automated scales), parasite levels, overwintering survival, as well as wild bee abundance and diversity, and will have the opportunity to develop new data sets through field studies and/or citizen science partnerships. The Associate will also work closely with collaborators at University of Minnesota’s Institute on the Environment and with a software company designing a decision support tool. Responsibilities include quantifying landscape-level variation in land management practices and environmental conditions and evaluating how these impact managed and wild bee health metrics, in the context of different bee management practices. We envision that the Postdoc will develop process-based or statistical modeling approaches that integrate landscape and bee management practice that can inform a decision support tool that the research team is developing for beekeepers and wild bee conservationists. Applicants are required to have a Ph.D. or equivalent doctorate in an appropriate field and be able to provide evidence that all requirements have been met for completion of the Ph.D. prior to the effective date of hire. The candidate should have excellent written and oral communication skills, the ability to collaborate with and coordinate the efforts of a large team of researchers from different institutions, and a track record of publishing his/her work in scientific journals and presenting to broad audiences. The candidate should also have strong quantitative and computational skills, knowledge of spatial datasets and competence in R, Matlab, python or similar statistical and modeling languages. Experience with multivariate modeling, machine learning, and time series modeling is also desirable. It is preferred, but not essential that the candidate have experience with managed and/or wild bee ecology and preference will be given to candidates with a Ph.D. in Entomology, Ecology, or related field. Candidates should submit their applications by December 20, 2018 for full consideration. Applications, including cover letter, CV, and contact information for three references, should be submitted. Review of applications will begin immediately and will continue until the position is filled. The position will begin in February 2019. This is a fixed term appointment, funded for one one-year from date of hire, with excellent possibility of refunding. For more information, please contact Christina Grozinger, Distinguished Professor of Entomology and Director of the Center for Pollinator Research, Penn State University, cmg25@psu.edu.