

Postdoctoral position investigating mechanisms of food processing in honey bees

Dr. May Berenbaum is recruiting a PDRA as part of project investigating mechanisms of food processing in honey bees in her laboratory at the University of Illinois Urbana-Champaign. The project aimed at understanding the biology, biochemistry, metagenomics, and toxicology of pollen processing by the honey bee and the role of floral resource diversity in maintaining bee health. Among the objectives of the project are to characterize the beebread mycobiome, evaluate differences in pollen properties as it is processed into beebread (e.g., upregulation of immunity and detoxification genes), and determine effects of fungicide contamination on beebread functional characteristics.

A Ph.D. or the equivalent in bioinformatics, comparative genomics of plant, insect, or fungi, entomology, evolutionary biology, toxicology, or any other relevant life science discipline is required; individuals with experience with laboratory and field work, particularly with honey bees, are especially encouraged to apply.

The position is a 12-month appointment, with annual renewal dependent on funding and progress made by the individual. This position, which includes a competitive salary and full benefits, will remain open until a suitable candidate is hired. Please send a pdf file titled "Postdoc application" that includes a curriculum vitae, a list of publications, and names and email addresses for three professional colleagues willing to provide a letter of reference to May Berenbaum, maybe@illinois.edu. Feel free to email with questions!

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