

Post-doc in animal-microbe interactions and biology education research

Post-doctoral Research Associate Position

The Bean Beetle Microbiome Project, a newly-funded NSF-funded education-research collaboration of Emory University and Morehouse College, seeks a post-doctoral research associate with interest in the ecology and evolution of animal-microbe interactions and the implementation and assessment of course-based undergraduate research experiences (CUREs). The overall goal of this project is to determine the importance of student autonomy in a discovery CURE based on the bean beetle (*Callosobruchus maculatus*) microbiome across diverse institutions. The post-doc will work with the PIs to facilitate faculty professional development workshops that will train faculty from diverse institutions on experimental and analytical techniques associated with studying insect microbiomes. The post-doc also will facilitate the implementation of CUREs on the microbiome of bean beetles at these institutions and will assist with student assessment in these CUREs. The post-doc will have the opportunity to develop their own projects related to insect microbiomes in Dr. Nicole Gerardo's lab at Emory University and related to discipline-based education research in laboratory courses in collaboration with Dr. Chris Beck at Emory University and Dr. Larry Blumer and Dr. Sinead Younge at Morehouse College. In addition, opportunities to gain teaching experience are available. The post-doc will be employed by Emory University, but will interact with PIs at both institutions.

Emory University is a private, research university just east of the city of Atlanta. Morehouse College is a private, all-male, historically black college located in southwest Atlanta. The Gerardo lab (<https://scholarblogs.emory.edu/gerardolab/>) studies the evolutionary ecology of interactions between microbes and hosts. Researchers in the Gerardo lab collaborate with other faculty at Emory in the Ecology and Evolution of Species Interactions at Emory (EESI-E) group. Dr. Chris Beck and Dr. Larry Blumer are long-time collaborators in the area of laboratory curriculum development and faculty professional development. They have developed the bean beetle as a common model system for undergraduate biology laboratory education (www.beanbeetles.org). Emory University has an active science education research community that includes a cross-disciplinary science education research journal club that meets weekly during the academic year. Dr. Sinead Younge has expertise in qualitative research on education.

Qualifications

Candidates should hold a Ph.D or equivalent in the biological sciences or biology education. Prior experience in either microbiome research or inquiry-based laboratory teaching and discipline-based education research is highly desirable. Evidence of excellent academic achievement and commitment to a career in college or university-level teaching is required.

Terms of Appointment

The post-doctoral associate will be position at Emory University. The minimum starting salary is \$48,432 with benefits. Funding for travel to conferences related to this project is also available. The initial appointment will be for one year (renewable for a second year). The anticipated start date for the appointment is January 1, 2019 (negotiable).

Applications

The review of applications will begin on October 31, 2018 and will continue until a suitable candidate is selected.

Applicants should submit (as a single pdf file) a cover letter describing their interest in and experience related to the position, their CV, and the names, phone numbers, and email addresses of three individuals who can serve as references. Applications should be emailed to postdoc@beanbeetles.org.

Dr. Christopher Beck
Department of Biology
Emory University
Atlanta, GA 30322

christopher.beck@emory.edu

404-712-9012
FAX 404-727-2880

This e-mail message (including any attachments) is for the sole use of the intended recipient(s) and may contain confidential and privileged information. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this message (including any attachments) is strictly prohibited.

If you have received this message in error, please contact the sender by reply e-mail message and destroy all copies of the original message (including attachments).