



**POSTDOCTORAL RESEARCH ASSOCIATE POSITION:
EPIGENETIC GENE EXPRESSION IN HONEY BEES**

A post-doctoral research position is available in the laboratory of Greg J. Hunt for a project that focuses on genomic imprinting effects and environmental effects on gene expression in the honey bee brain with the goal of identifying genes that influence social behaviors that are relevant both to the beekeeping industry and to understanding how bee societies evolve and react to their environment.

Motivation: Parent-of-origin effects have been observed for several honey bee behaviors. Kin-selection theories applied to haplo-diploid, polyandrous social insects predict stronger selection for genomic imprinting effects for some behavioral traits in these species, and in general, the role of epigenetic processes to produce diverse phenotypes from one genotype is expected to play a large role in honey bee behavior.

Position: This project will involve field work and lab work, with emphasis on RNA and genomic sequencing, along with bioinformatic analyses.

Qualifications: A qualified applicant must have completed a PhD and have some experience with bioinformatic analyses. Those that have previous work with molecular biological lab techniques and behavioral studies with social insects are especially encouraged to apply.

Earliest start date: March 1, 2012. Funding is available for three years. Starting salary is budgetted at about \$39,000, plus benefits. Position will remain open until a suitable candidate is identified.

Environment: Purdue University is a highly-rated research institution with strong international connections and a diverse student body and research faculty. The university recently has made a big investments in infrastructure for genomic and biological research, including a conveniently located core genomics facility and a new bioinformatics core. The Hunt lab is involved in both basic and applied research in behavioral genetics of honey bees and maintains many bee colonies close to the Purdue campus. We have close ties to the beekeeping community.

Application: Please send a short statement of interest, CV and names and contact information for two or three references in a PDF document by email to:

Dr. Greg Hunt, Email: ghunt@purdue.edu

Department of Entomology, 901 West State St., West Lafayette IN 47907.