

We seek one highly motivated and energetic PhD student to join an NSF-funded project between 2 PIs, Hongmei Li-Byarlay (Central State University) and Jeff Peters (Wright State University). Both campuses are located in Dayton, Ohio. The focus of the funded research is the epigenomic and evolutionary genomic mechanisms of honeybee social behavior. The candidate student will gain significant knowledge in honeybee social behavior, genetics, epigenetics, and genomics.

Funding is available through a combination of graduate research and teaching assistantships, and the student may start as early as Jan. 2020. Research will be conducted at Central State University, while coursework and teaching duties will be centered at Wright State University. The student may have opportunity to travel to University of Illinois at Urbana-Champaign and Mexico for sample collections and collaborations.

The student will be enrolled in Wright State's interdisciplinary Environmental Sciences PhD program (<https://science-math.wright.edu/environmental-sciences-phd-program>). The student will need to have a vehicle to commute between Central State and Wright State (12 miles apart).

Qualifications include: Bachelor degree in Biology, Ecology, Genetics, or related discipline; GRE scores within the last 5 y (minimum 300---Verbal plus Quantitative); minimum GPA of 3.0; minimum IBT TOEFL score of 100 and ability to pass a verbal English test (foreign students only). Preferred qualifications include: a Master degree or equivalent experience; strong interest and/or experience in laboratory research and bioinformatics (transcriptomics, GWAS, and/or methylomic analyses); strong written and oral communication skills; strong quantitative skills. More information about both labs are at <https://sites.google.com/view/libyarlaybee> and <https://people.wright.edu/jeffrey.peters>. Please send a most recent CV, research interest/experience, and contact information for 3 professional references to Drs. Li-Byarlay (hli-byarlay at centralstate dot edu) and Peters (jeffrey.peters at wright dot edu).

Central State University, as a multi-national and culturally diverse University, is committed to providing an inclusive, equitable and diverse place of learning and employment. It is the University's policy to prohibit discrimination and provide equal opportunity to all employees, students and visitors, without regard to their race, sex (including gender identity/expression), sexual orientation, color, religion, ancestry, national origin, age, disability, genetic information, or veteran or military status.

Wright State University is committed to an intellectual, cultural, and social environment in which all are free to make their contribution. The University strives to achieve an environment in which every student may think, learn, and grow without prejudice, without intimidation, and without discrimination. Wright State University promotes the acceptance of every individual regardless of race, gender, age, ethnicity, ability or disability, sexual orientation, socioeconomic status, religious affiliation, or national origin.