Postdoctoral Position

using CRISPR to assess the importance of single genes in blow fly behavior

The Scott lab, in the Department of Entomology and Plant Pathology at North Carolina State University (NCSU), is searching for a postdoctoral fellow to assess the importance of selected genes in oviposition behavior, larval diet and olfaction preference in the blow flies *Lucilia cuprina* and *Cochliomyia macellaria*. With over 1000 species identified blow flies are ideal for studying the evolution of the parasitic habit. The fellow will be part of a collaborative team that is taking phylogenetic and genetic approaches to identify genes associated with specialized feeding habits. The fellow will use CRISPR gene editing to evaluate the importance of single genes in blow fly behaviors. We have developed efficient protocols for gene editing in these species and have assembled and annotated whole genome sequences.

NCSU is part of the Research Triangle, which is home to the third largest biotechnology cluster in the United States. The main University campus is in Raleigh, which is often ranked among the top places to live in the U.S.

Apply Online:

https://jobs.ncsu.edu/postings/163433

Further Information:

Email: mjscott3@ncsu.edu

Lab website: https://maxscottlab.wordpress.ncsu.edu