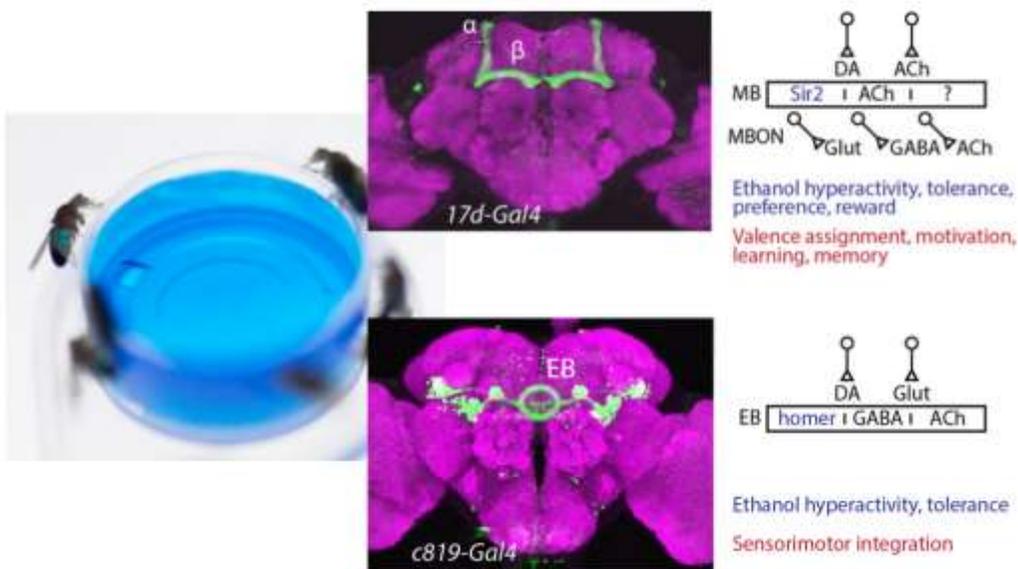


Department of Biology presents

**“The thirsty and drunken fly teaches us about behavioral motivation and plasticity”**

**ABSTRACT.** We study the molecular and neural circuit mechanisms that govern adult behavior in the fruit fly *Drosophila*. The fly nervous system is a million-fold simpler than ours, yet flies are capable of carrying out remarkably sophisticated tasks that are modified by past experience and internal states. However, the biological bases for even simple behavioral actions that serve as models for more complex tasks remain mysterious. Understanding how circuits function through molecules and communication in a model organism where rapid progress can be made with highly sophisticated tools is likely to provide insight into how more complicated brains work.



**Dr. Fred Wolf**

School of Natural Sciences, University of California, Merced, CA

**Friday, October 28, 2016**

**3:00 PM**

**Science 2, Room 109**

**For further information:** [www.csufresno.edu/biology](http://www.csufresno.edu/biology) or phone 278-2001. If you need a disability-related accommodation or wheelchair access information, please contact Lindasue Garner at the Department of Biology @ 278-2001 or e-mail [lgarner@csufresno.edu](mailto:lgarner@csufresno.edu) (at least one week in advance of event).