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Drosophila melanogaster is a species of fly (the taxonomic order Diptera) in the family Drosophilidae. The species is known generally as the common fruit fly (though inaccurately) or vinegar fly. The Drosophilidae are a diverse, cosmopolitan family of flies, which includes fruit flies. Another unrelated family of flies, Tephritidae, also includes species known as "small fruit flies". Little is known about the ability of *Drosophila* circadian neurons to promote sleep. Here we show, using optogenetic manipulation and video recording, that a subset of dorsal clock neurons (DN1s ... Fig. 2. Two-component CRISPR/Cas9 system for genome editing. The Cas9 protein (blue oval) is recruited to a target site in the DNA by a 20 nt complementary sequence in the synthetic single guide RNA (sgRNA, dark blue). - *Drosophila A Guide To Species Identification And Use*