NEU 366S. Neuromolecular Genetics and Disease Laboratory.

Explores techniques used to study the molecular genetic basis for nervous system function and disease with a powerful invertebrate model system. Subjects will range from studying the conserved molecular basis for our senses and male/female-specific behaviors, to exploring how mutations of conserved neural genes cause neurological disorders, such as Parkinson’s disease and Alzheimer’s disease. Six laboratory hours a week for one semester Biology 366S and Neuroscience 366S may not both be counted. Prerequisite: The following courses with grades of at least C-: Biology 206L; 311C and 311D or 315H and 325H; and Neuroscience 330 or 365R (or Biology 365R).