Fruit Fly Genomics

Introduction to Research and Genetics
(Rising High School Sophomores, Juniors, and Seniors)

Description
This laboratory project-based course teaches the fundamentals of designing and carrying out all aspects of a scientific investigation. Students will work with Drosophila, or Fruit Flies, to learn basic genetic theories and the scientific process of a descriptive investigation.

Highlights
• Hands-on laboratory work
• Work with a dyad partner
• Establish a research study
• Collect and analyze data
• Perform database searches on-line and at the Levy Library
• Integrate background reading into project
• Get to know the Mount Sinai campus and its facilities
• Meet Mount Sinai Research faculty

Requirements
• Full attendance
• Maintain a detailed logbook
• Regular oral and written progress reports
• Completion of pre/post tests
• Completion of a final written and oral research report

Eligibility
• Demonstrated interest in biomedical sciences and research
• Must be a rising high school sophomore, junior or senior, with a minimum GPA of 80
• Must be an under-represented minority and/or economically disadvantaged

Submission Instructions – please see the link titled Application Instructions found on www.icahn.mssm.edu/ceye for detailed instructions.