Environmental Health: Zebrafish Toxicology

Identifying Contaminants in Living Material
(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 learn how to evaluate the effects of a toxicant on a living organism, in this case the Zebrafish embryo. Students will further investigate the implications of their results in the context of environmental hazards on human health.

Highlights
- Hands-on laboratory work
- Work with a dyad partner
- Establish an environmental 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/cye for detailed instructions.