Science Leadership Program 2023

Students, mentors, and HRPT staff at Pier 57.
What is SLP?

The Science Leadership Program (SLP) is a paid summer research opportunity for high school aged, female-identifying students from underrepresented communities in STEM in New York City.

This program is a collaboration of STEM institutions in NYC

- Hudson River Park’s River Project
- City College of New York (CCNY)
- Young Women’s Leadership School (TYWLS)
- Pinkerton Foundation
- Intrepid Sea, Air, and Space Museum
- Lahmont-Doherty Earth Observatory
Goals of SLP:

Gain experience and confidence in STEM through authentic research, professional development workshops, and near-peer mentorship.

Complete the summer program with a stronger scientific identity, a better understanding of STEM careers and opportunities, and greater exposure to scientific methods and techniques.
Program Schedule

**Mondays and Tuesdays are remote**
- Workshops led by HRPT staff and Consortium partners
- Research on gull bolus research project

**Wednesdays and Thursdays are in-person**
- Hands-on research in Hudson River Park
- Field trips
- Presentation and public speaking practice
- Peer Chats
Gull Bolus Project

Gull bolus on dissection sheet.

Bolus separated into organic and inorganic categories.

Materials separated by type.

Inorganic and organic matter stored separately in glass vials.
ANALYZING THE TOXICOLOGICAL EFFECTS OF INORGANIC MATERIALS IN RING-BILLED SEAGULLS AT HUDSON RIVER PARK

METHODS

RESULTS & DISCUSSION

BACKGROUND

Zihan Wang’s SLP scientific poster.

Lissa Abreu’s SLP scientific poster.

Mirei Ueyama’s SLP scientific poster.

Lizbeth Flores’ SLP scientific poster.
Gull Bolus Presentations: AMNH
Evaluation Tools: Pre and Post Survey

- In collaboration with the Lamont Doherty Earth Observatory and Science Research Mentoring Consortium (NYCSRMC), we devised a well-rounded, in-depth pre and post-survey
  - Measured participants’ interest and attitudes in pursuing STEM in future academic and professional settings
  - Evaluated interns’ confidence in scientific skills including the utilization of lab equipment, conducting research, and presenting science topics to different audiences
  - Interns self-evaluated the development of a STEM identity and growth in confidence over the course of the six-week program
Mentors will share some of those survey results with you now!
Thank you for your support!
Any questions?