## Science Research 1 Expectations

Congratulations on your acceptance into Science Research!
This year we will focus on two major goals:

**1) Completing a scientific research project within the Urban Barcode Project and**
**2) Finding a lab for summer research.**

Your grade will be based on:

- Attendance at class and individual meetings
- Completion of an UBP proposal, project, and presentation
- Progress and perseverance in summer lab search
- Attendance at the SR Symposium
- Attendance and presentation at the UBP Symposium

Most of the time in class will be spent working collaboratively: doing initial background research, collecting samples, preparing DNA, and making presentations based on your findings. I will be observing the groups to see that everyone is contributing both to laboratory activities and making the presentations. This will be an important part of your grade.

As part of Science Research, students are expected to attend individual meetings with the teacher. These meetings are part of the class time for this course, and as such a missed meeting will be considered a cut class.

During individual meetings, students will receive support in their search for a summer lab internship. In each individual meeting students will plan next steps. Though the search will be different for each student, each student will be evaluated on their progress and perseverance in finding a summer lab internship.

When students reach out to professors and other members of the scientific community, they do so as representatives of Marymount. As such, all correspondence must be approved by the teacher. Additionally, if a student reaches out to a member of the scientific community, it is expected that they have a genuine interest in pursuing an internship opportunity with that scientist if offered a position.

Please feel free to email me at any time with questions, though if you email me after 7pm you will not receive a response until the following day.

**Course Description for Principal Investigators**
The Marymount Science Research Program is for students who are highly motivated independent learners with a passion for scientific research. It is a three year program and includes a summer research commitment. In the first year, the students engage in a series of experiments that teach them common laboratory techniques. The students learn about experimental design, data analysis, literature research, and scientific writing. Between the first and second year, students engage in a research internship for a minimum of four continuous weeks (6 weeks or longer is preferred). During the summer, students need to collect data that they can analyze for an internal school report. In the second and third year, students analyze and write up the results of their summer research. Students also present their work at a school research symposium held in the spring.