

# NSF Science Research Mentoring Program

**For students interested in Biodiversity, Evolution,  
Conservation Biology and Anthropology**

## APPLICATION DEADLINE

June 1, 2010

**This free, two-year program** is open to any New York City high school student who is in the 10th or 11th grade as of the Fall of 2010. Students receive in-depth training and support that enables them to take part in scientific research conducted at the Museum. The focus is on students from groups traditionally underrepresented in science – women, minorities, and persons with disabilities, or who have lacked opportunities to pursue their scientific interests because of limited access to mentors and facilities.

**Sept 2010-May 2011:** Four after-school courses (taken one at a time) to prepare students for their subsequent research assignments: Evolution, Biodiversity, Genetics and Genethics and Conservation Biology. Courses meet two afternoons per week.

**July 2011:** A four-week summer session combining a lab skills class with career counseling and initial laboratory placement.

**2011-2012 School Year:** Twice weekly lab sessions with a scientist mentor in one of the following areas: biodiversity, genetics, conservation biology or anthropology.

**College Prep:** Free **Kaplan SAT prep** courses; free college counseling through Goddard-Riverside OPTIONS program, a top-rated college preparatory program that provides one-on-one college counseling and free financial aid and other workshops.

**Field Trips:** Spring college trip to regional colleges; other field trips to research and industry facilities as part of career exposure.

**Scholarships:** SRMP graduating students will be eligible to apply for a select number of 4-year college scholarships of \$7,500 per year.

### **Applications must be postmarked by June 1, 2010**

Please contact Hilleary Osheroff, [hosheroff@amnh.org](mailto:hosheroff@amnh.org) or (212)769-5141 if you have questions or need assistance with the application.

*The Science Research Mentoring Program is supported by the National Science Foundation under Grant No. DRL-0833537.*

*Additional support for this program is provided by the Louis and Virginia Clemente Foundation, the Adolf and Ruth Schnurmacher Foundation, and the Charles and Mildred Schnurmacher Foundation.*

*Complimentary test preparation and college admissions support for program participants is generously provided by Kaplan.*





**Student Application Cont/.....3 of 4.**

**STUDENT'S EDUCATION INFORMATION**

**HIGH SCHOOL ATTENDING**

Name of High School: \_\_\_\_\_ Grade: \_\_\_\_\_

Address (1): \_\_\_\_\_

Number and Street

City

State

Zip code

Borough: \_\_\_\_\_

Telephone: \_\_\_\_\_ E-Mail: \_\_\_\_\_

Area Code + Number

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**SCHOOL IN FALL ( IF DIFFERENT FROM ABOVE CURRENT HIGH SCHOOL)**

School Attending Next Fall: \_\_\_\_\_ Grade going into \_\_\_\_\_

Address: \_\_\_\_\_

Number and Street

City

State

Zip code

Borough: \_\_\_\_\_

Telephone: \_\_\_\_\_ E-Mail (1): \_\_\_\_\_

Area Code + Number

## Student Application Cont/.....4 of 4.

### **SELF-IDENTIFICATION**

*As an educational institution AMNH receives requests from governmental agencies, accrediting associations, college guides, newspapers, and our own college/university communities, to describe the racial/ethnic backgrounds of our students. In order to respond to these requests, we ask (but do not require) you to answer the following two questions:*

**1. Please check one or more of the following options that you identify with.**

- American Indian or Alaska Native
- Asian (including Eastern Asian e.g., China, Japan, and Korea)
- South Asian (including India, Pakistan, Cambodia, Philippines, and Vietnam)
- Middle Eastern/Persian
- Black or African American (including African and Afro-Caribbean)
- Native Hawaiian or other Pacific Islander
- White (including Portuguese, Brazilian, Spanish)
- Hispanic (White)
- Hispanic (Black)

**2. How would you describe your background?** \_\_\_\_\_

I hereby certify that the information on this form has been provided in consultation with my parent or guardian.

Signature of Student: \_\_\_\_\_ Date: \_\_\_\_\_

Signature of Parent/Guardian: \_\_\_\_\_ Date: \_\_\_\_\_

*The American Museum of Natural History encourages participants/students of any race, color, religion, sex, sexual orientation, or national and ethnic origin to apply to its programs and activities. The Museum is an equal opportunity institution and does not discriminate on the basis of race, color, religion, sexual orientation, or national and ethnic origin in administration of its admissions policies.*

## Section 1:

**Recommendations:** You will need recommendations from at least three adults who know you other than your parents. One recommendation must be from a teacher, preferably a mathematics or science teacher. The others may be from teachers, but may also be from other adults that know you; from your youth program, church or temple, after-school program, or workplace, for example. Please list their names here and attach their written recommendations (forms attached at the end of the application) when you return your application:

Name: \_\_\_\_\_

Title/Affiliation \_\_\_\_\_

Name: \_\_\_\_\_

Title/Affiliation \_\_\_\_\_

Name: \_\_\_\_\_

Title/Affiliation \_\_\_\_\_

## Section 2:

**List your science experiences, in school, after school and on weekends: These can include your school science courses, other science courses (such as those offered at the Museum), science fairs or workshops, or any independent exploration or research you have conducted.**

**Community activities, school honors, special awards and current extracurricular activities: Please list community service, clubs, teams, or other activities you would like us to know about.**

## Section 3:

**Before answering the following questions, please take some time to look at the web pages of AMNH scientists to get an idea of what types of research you might do as a student in SRMP.**

<http://www.amnh.org/science/>

**Write your answers to the following questions on separate sheets of paper (1-2 pages). Feel free to include drawings or other creative ways to tell us about yourself. Be sure to put your name on the attached papers.**

1. Why are you a good candidate for the research program:
  - What interests you about scientific study?
  - How do you think your interests match up with the type of science that the Museum offers?
  - What do you hope to get from participating in the program?
  - What do you have to offer to a group of fellow students? What do you think you could gain from the other students?

2. Describe something that has fascinated you, or that you have developed a passion for. What about it interests you?
3. Is there anything else you'd like to tell us?
4. Which are you more interested in working with: a biology mentor or an anthropology mentor?
5. How did you hear about this program?

**\*\*Please enclose a current copy of your high school transcript. We're interested in what courses you've taken and where you are in your educational path. \*\***

I hereby certify that the information on this form has been provided in consultation with my parent or guardian.

Signature of Student: \_\_\_\_\_ Date: \_\_\_\_\_

Signature of Parent/Guardian: \_\_\_\_\_ Date: \_\_\_\_\_

**APPLICATION CHECK LIST:**

- ✓ Completed application with signatures.
- ✓ Three letters of recommendation.
- ✓ Current high school transcript.

**MAIL APPLICATION AND MATERIALS TO:**

Hilleary Osheroff  
Education Department  
American Museum of Natural History  
Central Park West at 79<sup>th</sup> St  
New York, NY 10024

Or fax to:  
212-313-7868

**Please contact Hilleary Osheroff, [hosheroff@amnh.org](mailto:hosheroff@amnh.org) or (212)769-5141 if you have questions or need assistance with the application**

**Science Research Mentoring Program**

**Reference Form**

*(Student: Make 1 copy for each of the 3 references, and include a stamped/addressed envelope with each.)*

Name of Reference: \_\_\_\_\_

- Title: \_\_\_\_\_

- Place of Business: \_\_\_\_\_

\_\_\_\_\_

Name of Student: \_\_\_\_\_

Relationship to Student: \_\_\_\_\_

How long have you known this student? \_\_\_\_\_

What are the first words that come to your mind to describe this student?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Please describe why you think this student would be a valuable participant in SRMP, including your assessment of the student's intelligence, interest in science, maturity and dependability. *Feel free to attach a response as necessary.*

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