

**PATHWAYS To Health Careers
Howard Hughes Teachers' Initiative 2006:
Program in Biomedical Research**

Summer Research Program for Middle and High School Science Teachers
at the University of Cincinnati College of Medicine

Dates: June 12 - August 4, 2006

APPLICATION DEADLINE: MARCH 15, 2006



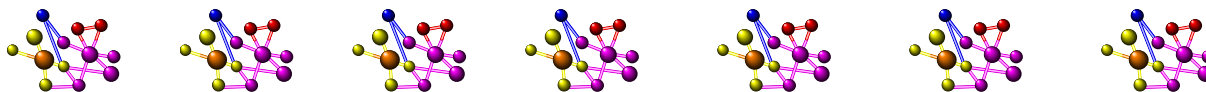
Introduction

The 2006 Teachers' Initiative: Program in Biomedical Research is designed to provide middle and high school science teachers with a hands-on research experience and other experiences that will expose them to biomedical research, promote collaborative efforts between the College of Medicine and local schools and allow teachers to learn research techniques that can be transferred to their school laboratories. Funding is provided by the Howard Hughes Medical Institute. The ultimate hope is that teachers will carry their experiences back to their classrooms to stimulate their students to pursue careers in science. A more immediate goal is to establish year round links between science teachers, secondary school students, and biomedical researchers.

Program Description

Teachers will be assigned to a lab with an active research team and will participate in an on-going research project for eight weeks. Teachers will learn methodology that may be adapted to teaching their own students and will bring the excitement of modern research methodology to their own classrooms.

Teachers will participate in hands-on research activity and will meet weekly with the program director and the scientific director to discuss their progress and to exchange ideas and experiences. In addition, teachers will participate in the research seminars, laboratory meetings, and clinical and research conferences within their own departments. They will be required to keep laboratory journals/notebooks and to present their work at a research symposium at the end of the program.



Academic year collaborations may include: Faculty visitation to middle/high school classes to teach science; participation in career days; student mentoring; assisting students with science projects and judging science fairs. Teachers may collaborate with UC faculty on scientific journal articles, manuals and curriculum guides in the life sciences. In addition to student interactions with College faculty within their schools, students may visit the College of Medicine for special tours, demonstrations, lectures and other events. Many other enrichment opportunities are available for faculty, teachers and students.

Eligibility

Teachers eligible to participate in this program include those who:

1. Identify themselves as being Native American, African American, Asian American, Hispanic, Pacific Islander, Native Alaskan or Appalachian

OR

2. Teach a significant number of students from disadvantaged or minority groups

Support

The program provides a salary of \$5,000 (including fringe benefits) for the eight week summer experience. This salary will be paid at the rate of \$15.625 per hour worked. The selected teachers are expected to work an average of 40 hours per week and are expected to be available for the entire eight week period. Some flexibility may be negotiated regarding work schedules.

An additional \$500 will be allocated to the research lab in which the teacher will be placed to cover costs of supplies to be used during the project period.

Selection Criteria

All teachers meeting the stated eligibility requirements are invited to submit an application. Selection for participation in the program will be based on the following criteria:

- Experience and teaching responsibilities
- Level of interest in participating in a research program
- Ability to stimulate minority and disadvantaged students to pursue scientific careers
- Future plans for continued interaction with the research institution
- Previous research experience

For additional information contact:

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PATHWAYS to Health Careers Office
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APPLICATION DEADLINE: March 15, 2006

HOWARD HUGHES 2006 TEACHERS' INITIATIVE: PROGRAM IN BIOMEDICAL RESEARCH

DIRECTIONS:

1. Please complete the application below.
2. Submit the following along with the application
 - A copy of your current curriculum vitae (resume) or academic records
 - A brief personal statement explaining why you are interested in the program and the benefits accruing to your teaching career.
3. Request a letter of support from an official of your school (principal, lead science teacher, curriculum director, etc.) providing an evaluation of you as a teacher and addressing the potential benefits to the school as a result of your participation.

Return Application Materials To:

Teachers' Initiative: Program in Biomedical Research
 University of Cincinnati College of Medicine
 231 Albert Sabin Way
 Cincinnati, OH 45267-0552
 Phone: (513) 558-0693 or (513) 558-7212
 Fax: (513) 558-6259
 E-mail: Roberta.Handwerker@uc.edu

Program Dates:

June 12 - August 4, 2006

Application Deadline:

Wednesday, March 15, 2006

Notification of Acceptance:

Mailed by Monday, April 17, 2006

Social Security Number: _____

Date of Birth: _____

Name: _____

Home Phone: _____

Work Phone: _____

Cell Phone: _____

Address: _____

ZIP: _____

Email: _____

Racial/Ethnic Background (check one)

<input type="checkbox"/> African American	<input type="checkbox"/> Caucasian	<input type="checkbox"/> Other
<input type="checkbox"/> Asian American	<input type="checkbox"/> Hispanic	(please identify)
<input type="checkbox"/> Native American	<input type="checkbox"/> Pacific Islander	_____

EDUCATION (indicate degree for each achieved)

Bachelor's Level/Arts or Sciences _____
 Bachelor's Level/Education _____
 Master's Level/Arts or Sciences _____
 Master's Level/Education _____
 Doctorate Level _____
 Other Degree, please specify _____
 Graduate level courses/no degree _____

Major Field

TEACHING ENVIRONMENT

Name of school where presently employed _____

a. Location	b. Student Body	c. School
City _____	Mostly Minority _____	Public _____
Suburban _____	Mixed _____	Parochial _____
Rural _____	Mostly Caucasian _____	Private _____

% of your school's graduating seniors who go on to higher education: _____
% of your school's students who do not graduate with their entering class: _____
% of students you teach who belong to ethnic minority groups: _____
(see above description for identified minority groups)

PROFESSIONAL EXPERIENCE

How many years have you been a teacher? _____

Have you ever been employed in another profession? _____

If so, what occupation? _____ For how many years? _____

Have you had any experience in laboratory research (in addition to formal coursework or classroom teaching)? _____ If so, please list dates and scientific fields

Have you participated in other science related professional development activities that lasted three or more days? _____ If so, list those in which you participated in the last three years _____

Indicate grades you have taught (circle all that apply):

Grade: Pre-K K 1 2 3 4 5 6 7 8 9 10 11 12 College

Please list the courses you have taught in biology or life sciences this past school year, along with the grade level of the students and the approximate numbers of students in each course. Please indicate if any of the courses taught are honors or advanced placement (A.P.) level courses.

Course Title:	Grade Level:	Number of Students:
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

If you also taught courses in subject areas other than biology or life sciences, indicate how many of such courses you taught.

Other Sciences _____

Mathematics _____

Other Subject Areas _____

PLEASE ATTACH A STATEMENT INDICATING YOUR REASONS AND OBJECTIVES FOR PARTICIPATING IN THIS SUMMER PROGRAM.

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