

AMGEN-UROP SCHOLARS PROGRAM

An Undergraduate Summer Research Program in Science and Biotechnology

Information for MIT Faculty

The Amgen-UROP Scholars Program invites undergraduates to participate in faculty-mentored summer research in MIT laboratories. Similar in educational mission to our longstanding UROP program, this intensive nine-week program is focused on cultivating and supporting partnerships between MIT faculty and undergraduates in the science and biotechnology areas. Students indicating a strong desire to engage in research collaborations within these areas will be selected from the MIT undergraduate population, as well as from other colleges and universities.

Inspiring the Scientists of Tomorrow

Objectives of the Amgen-UROP Scholars Program:

- Foster a passion for science and biotechnology by engaging students in first rate research experiences in MIT laboratories
 - Increase learning and networking opportunities for students
 - Encourage student pursuit of graduate studies and careers in scientific research
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Creating Learning and Networking Opportunities

Students participating as Amgen Scholars will:

- Take part in important research projects, gaining hands-on lab experience and contributing to the advancement of science
 - Receive guidance from MIT faculty and research scientists
 - Engage in networking activities, including faculty-led seminars
 - Participate in a mid-summer symposium on research in the biotechnology industry
 - Present at an MIT poster session culminating the summer program
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Who Is Eligible?

Applications will be accepted MIT undergraduates, and undergraduate students enrolled in four-year colleges and universities in the U.S., Puerto Rico, and other U.S. Territories. All applicants must meet the following criteria:

- U.S. citizens or U.S. permanent residents
 - Sophomores (with 4 quarters or 3 semesters of college experience), Juniors, and non-graduating seniors who plan to continue undergraduate studies in fall 2010
 - Cumulative GPA of 3.2 or above (on a 4.0 scale)
 - An interest in pursuing graduate school, including a PhD or MD-PhD
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How Are Costs Covered?

MIT Faculty and laboratories invited to host Amgen Scholars during the summer of 2010 will not be asked to provide any type of financial support to participating students. All student expenses will be covered by a grant from the Amgen Foundation, including travel to and from the summer program, room and board, and competitive research pay.

Amgen-UROP Scholars Program QUICK FACTS

Program Management:

MIT Office of Undergraduate Advising and Academic Programming (UAAP)

Eligible MIT Research Areas:

Biological Engineering
Biology
Brain & Cognitive Sciences
Center for Environmental Health Sciences
Chemistry
Chemical Engineering
Clinical Research Center
Health Sciences and Technology
Mechanical Engineering (bioeng/biotech only)
Picower Center for Learning and Memory

Program Dates:

June 7, 2010 through August 6, 2010

About the Amgen Foundation:

The Amgen Foundation seeks to advance science education; improve patient access to quality care; and strengthen the communities where Amgen staff members live and work. Since 1991, the Foundation has made \$130 million in grants to nonprofit organizations throughout the United States, Puerto Rico and Europe that impact society in inspiring and innovative ways, and those that provide disaster relief efforts both domestically and internationally. To learn more about the Amgen Foundation, visit the Corporate Giving section of www.amgen.com.

Program URL:
mit.edu/urop/amgenscholars
or
www.amgenscholars.com



Massachusetts Institute of Technology



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Frequently Asked Questions

1) How long will the program run?

The program will run for 9 weeks during the summer of 2010. See *Timeline*

2) How many students will the Amgen-UROP Scholars Program accept?

Up to 26 students will be accepted into the Program; approximately half will be MIT students, and half from other colleges and universities.

3) How will Amgen Scholars in my lab be compensated?

Through a grant managed by the UAAP, Amgen Scholars working 40 hours per week for the nine week period will earn \$4,212, based on an hourly wage of \$11.70.

4) Will I have the opportunity to review Amgen Scholar applications prior to accepting a student or students into my lab?

Yes. A group organized by the UAAP will review all student applications beginning November 2, 2009. Based on student eligibility, quality of application, and areas of research interest, applications will be forwarded to the areas that seem to be the best match. Faculty give final approval on students accepted into the lab. All placements are expected to be made by the second week of March. See *Timeline*

5) May I recommend a student I have already worked with to apply for the Program?

Yes, provided that the student meets all eligibility requirements. Interested students must apply online no later than February 2, 2010.

6) I am interested in mentoring an Amgen Scholar. Am I required to accept non-MIT students into my lab?

MIT faculty are asked to give non-MIT applicants equal consideration. Through its funding, Amgen wants students from a wide variety of academic communities to have the opportunity to work with some of the nation's top academic scientists, including students attending institutions without formal undergraduate research programs.

7) How much interaction should I have with my Amgen Scholar(s)?

One goal of the Program is to foster relationships between undergraduate researchers and MIT faculty. We recognize that faculty often have limited time for direct research supervision, and we expect that others in your lab (including research scientists and post-docs) will be on hand to provide scholars with day-to-day supervision. Nonetheless, faculty should interact with Scholars frequently enough so that solid mentoring relationships are established, and faculty should be in a position to provide a written evaluation of their students at the end of the program. Faculty mentors will be invited to participate in networking activities, including a series of lunchtime seminars where faculty will present on the research-related topic of their choice.

Amgen Scholars will not be placed with faculty on sabbatical, or who intend to be away from MIT for a significant portion of the June 7 – August 6, 2010 period.

8) How do I get more information on the Amgen UROP Scholars Program?

Go to MIT's Amgen-UROP Scholars web page at mit.edu/urop/amgenscholars, or visit the Amgen Foundation's web page at amgenscholars.com.

Program Contact: Michael Bergren, Associate Dean for Academic and Research Initiatives, (617) 253-8801, mberg@mit.edu.

Amgen-UROP Scholars Program Timeline

November 2, 2009:

Online application available at mit.edu/urop/amgenscholars

February 2, 2010:

Last date to submit online applications

February 2-27, 2010:

Submitted applications reviewed, 2009 MIT Amgen Scholars selected

Early March, 2010:

MIT Amgen Scholars notified of acceptance

June 7, 2010:

Orientation and Welcome Dinner for 2009 Amgen Scholars

June 7, 2010:

Summer program begins

July, 2010 (dates TBA):

Mid-summer symposium at UCLA in Los Angeles, CA

August 6, 2010:

Summer program ends; poster session and reception

Program URL:

mit.edu/urop/amgenscholars