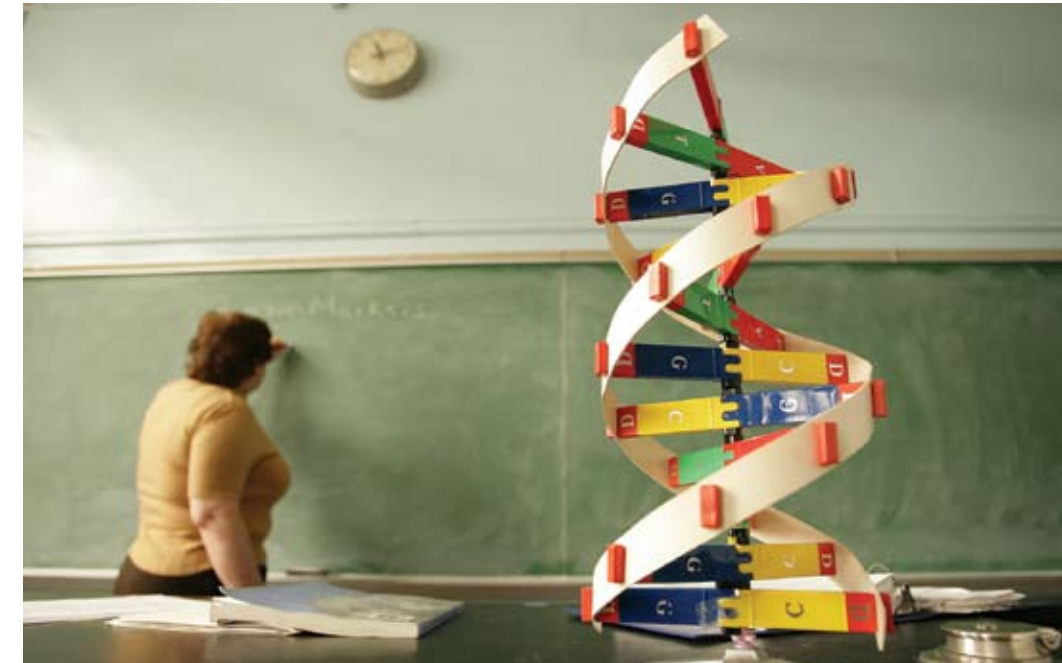


The Amgen Foundation advances science education by funding innovative programs at every level, from the local elementary school to the world's top universities. It's all part of Amgen's commitment to science teachers and their students, as well as to the programs that support them in meaningful ways.



Inspiring the Scientists of Tomorrow



Amgen Foundation
One Amgen Center Drive
Thousand Oaks, CA 91320-1799
www.amgen.com



About Amgen

Amgen discovers, develops, manufactures, and delivers innovative human therapeutics. A biotechnology pioneer since 1980, Amgen was one of the first companies to realize the new science's promise by bringing safe and effective medicines from lab to manufacturing plant, to patient.

Amgen therapeutics have changed the practice of medicine, helping millions of people around the world in the fight against cancer, kidney disease, rheumatoid arthritis, and other serious illnesses. With a deep and broad pipeline of potential new medicines, Amgen remains committed to the advancement of science to dramatically improve people's lives.

Amgen Foundation

Established in 1991, the Amgen Foundation is an integral component of Amgen's commitment to dramatically improve people's lives. The Foundation is one of the most important vehicles for Amgen's corporate philanthropy. To date, the Foundation has contributed \$130 million in grants to nonprofit organizations throughout the United States, Puerto Rico, and Europe.

These organizations and their initiatives reflect Amgen's core values and complement the company's dedication to helping people in inspiring and innovative ways. Through effective philanthropy, the Foundation makes the excitement of the sciences, the promise of education, and the provision of essential health and social services more accessible to members of the community.

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Amgen Foundation Mission

The Amgen Foundation seeks to advance science education, improve quality of care and access for patients, and support resources that create sound communities where Amgen staff members live and work.

Advancing Science Education

As one of the world's foremost biotechnology companies, Amgen is keenly aware of the value and importance of science education. Therefore, the company is committed to supporting science education programs that encourage bright young minds to explore a future in science. In addition, to date the Foundation has committed more than \$45 million in science education funding to nonprofit organizations throughout the United States, Puerto Rico, and Europe.

By improving students' and teachers' access to resources, by raising awareness of the value of science literacy, and by developing a pipeline filled with future science professionals, Amgen does its part to advance the future of science learning across the education continuum.

The Amgen Foundation supports numerous national and international organizations that strive to expand opportunities for science education. For example, the Foundation partners with organizations that cultivate and preserve students' interest in the sciences through hands-on science experiences and programs that foster professional development for teachers. Additionally, the Foundation continues to support organizations dedicated to increasing the number of women and other traditionally underrepresented groups interested in pursuing careers in science.

Special targeted initiatives help ensure that the scientists of tomorrow receive the education and encouragement they need today. The Amgen Foundation works to broaden and deepen its impact by actively exploring the synergies among its science education grantees, in addition to collaborating with other funders to advance science education on local, national, and now global scales. The Foundation is gaining visibility and impact with its programs, and its grant portfolio taken together creates the capacity to enhance the state of science education in meaningful ways.



Snapshot of Signature Programs

Amgen Scholars Program

- \$27.5 million over eight years to support more than 1,100 undergraduates across the U.S. and Europe

Teach For America

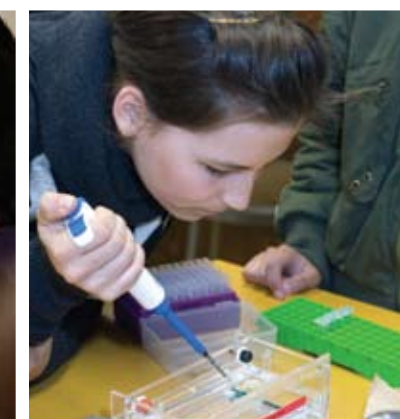
- \$5 million over five years to support 1,300 corps members teaching math and science to more than 130,000 secondary school students in 29 regions across the United States

National Science Teachers Association

- \$3 million over three years to support 500 science teachers in 50 states

Amgen-Bruce Wallace Biotechnology Lab Program

- Nearly \$2 million committed to date to support hundreds of science teachers impacting more than 100,000 students in seven regions across the United States



“The experience of hands-on research is an extraordinarily effective way to encourage undergraduate students to pursue careers in science. . . at a time when the education of the next generation of scientists is more important than ever.”

– Dr. Susan Hockfield
President, Massachusetts Institute of Technology

Amgen Scholars

Launched in 2007, the Amgen Scholars Program is a \$27.5 million, eight-year program that provides undergraduate students with the opportunity to engage in hands-on science research at some of the world's leading universities.

Through the program, undergraduate students from across the U.S. and Europe spend 8 to 10 weeks immersed in research labs at the University of Cambridge, MIT, the University of California, Berkeley, and 10 other top universities. The result: a challenging – and often life-changing experience. With the recent expansion into Europe, the Amgen Scholars Program now provides undergraduates with the opportunity to participate in research projects and work with leading academic scientists in the U.S. and Europe. The program supports the participation of more than 300 Amgen Scholars each year in the summer research program and will impact at least 1,100 students by 2010.

The initiative is designed to advance science education by inspiring college students to pursue graduate training and, ultimately, research and scientific careers. While each of the host universities offers unique features, all Scholars participate in a full-time, intensive research project, and they collaborate with faculty mentors to explore areas of research beyond their regular undergraduate education. Financial support is a critical component of the program and ensures that a student's financial status is not a barrier to participation.

A highlight of the program is a three-day symposium for the Scholars, faculty, and staff. Participants have the opportunity to learn firsthand from leading industry and academic scientists about biotechnology and about drug discovery and development.

www.amgenscholars.com

Guillermo Tirado Soto

Home School: University of Puerto Rico, Mayagüez

Host School: Massachusetts Institute of Technology

After completing his mechanical engineering degree at the University of Puerto Rico, Mayagüez, Guillermo Tirado Soto will head to graduate school. He credits the Amgen Scholars Program for pointing him in the right direction. Soto spent last summer in MIT's BioInstrumentation Lab, which inspired him to combine his love of engineering and biology into a medical device career.

“I received excellent advice on how to apply to the graduate schools that best fit my interests,” says Soto, noting that MIT is on his list. “I want to develop and grow in this field and contribute and help others.”



“Success begins in the classroom. Teachers who are prepared, equipped, and passionate about the possibilities of science and math offer our best hope for the next generation. Teach For America seeks to bring that sense of possibility, that passion for discovery, that spark of hope into underserved math and science classrooms.”

– Dr. Shirley Ann Jackson
President, Rensselaer Polytechnic Institute

Teach For America

Of the 13 million children growing up in poverty in the U.S., only about half will graduate from high school. And those who do graduate will perform on average at an eighth-grade level. A major partnership helps Teach For America increase its number of outstanding math and science majors who commit to teaching in urban and rural public schools for two years upon graduation from college.

The Amgen Foundation is the founding National Math and Science partner and provides new recruits – called Amgen Fellows – with additional financial support for themselves as well as their classroom. By placing bright young professionals in low-income communities, the program supports a new generation of educators who can inspire children to explore a future in science.

www.teachforamerica.org

Amgen–Bruce Wallace Biotechnology Lab Program

Each year, more than 15,000 students and teachers experiment with some of the same biotechnology techniques and equipment used by Amgen scientists, thanks to the Amgen–Bruce Wallace Biotechnology Lab Program.

Available in high schools and community colleges throughout the United States and Puerto Rico, the program includes biotechnology equipment, supplies, and curricula at no cost to schools, along with extensive teacher support. Students using the lab can experience the excitement of scientific discovery through hands-on, inquiry-based molecular biology and by exploring the important steps involved in creating novel biotechnology molecules.

“One important challenge in education is providing exemplary science instruction. By providing content-focused induction through the e-Mentoring for Student Success program, co-developed by the New Teacher Center, the NSTA New Science Teacher Academy offers beginning science teachers the resources and advice they need in order to provide quality instruction to their students.”

– Ellen Moir
Director, New Teacher Center

National Science Teachers Association

A recent National Science Teachers Association (NSTA) survey shows that too many science teachers are leaving the classroom. Low salaries are a factor, but feelings of isolation and lack of early career support are cited as even greater sources of dissatisfaction.

NSTA and the Amgen Foundation cofounded the New Science Teacher Academy to provide new teachers with a meaningful professional development experience and extra support. Each year, 150 Academy Fellows are selected to receive extensive online mentoring from more-experienced teachers in their discipline, in addition to a wide variety of online resources.

The Fellows also participate in live Web seminars with nationally acclaimed experts in discussions about specific teaching issues. The program also pays for the Fellows’ attendance at the NSTA National Conference.

“Research shows that experienced educators are more effective with their students,” says NSTA’s Executive Director Dr. Francis Eberle. “Our hope is that the Academy will speed the development of our bright, young teachers. We want to give them what they need to be successful and remain committed to the classroom.”

www.nsta.org/academy

Ha Nguyen Science Teacher Los Angeles Academy Middle School

Seventh-grade life sciences teacher Ha Nguyen was looking for professional development courses when she learned about the New Science Teacher Academy. After just one year of teaching at Los Angeles Academy Middle School, she welcomed the chance to connect with more-experienced colleagues. Along with participating in all of the Academy’s offerings, Nguyen regularly posts items to the interactive Web site, posing questions and even publishing her lesson plans.

“The Web site is especially valuable because I can share my ideas and receive feedback from veteran teachers who have experienced what I’m going through,” Nguyen says. “Overall, I have grown as a teacher and believe this is an experience all of us should have – new and longtime teachers alike.”



Bio-Mentes

Students at select University of Puerto Rico campuses participate in hands-on research through a program created by the Amgen Foundation and the university system.

The Amgen Biotechnology Mentorship Initiative to Develop Scientists Program (Bio-Mentes) supports 200 students to conduct research in biotechnology and related areas under the guidance of faculty mentors. Students work in teams, enhance their critical-thinking skills, and blog their progress. The program aims to inspire students to pursue graduate school and science-based careers and, ultimately, help strengthen Puerto Rico’s competitiveness in the bioscience arena.

biominds.uprm.edu

Impact on Education

With funding from the Amgen Foundation, Impact on Education delivers new ways to spark and maintain students’ enthusiasm for science throughout Colorado’s Boulder Valley School District.

The Foundation’s funds cover hands-on learning projects for elementary students, as well as science and robotics courses in high schools. In middle schools, a new inquiry-based life sciences curriculum exposes students to genetics, evolution, ecology, and related subjects. Science Clubs mix science with the social interaction critical to this age group.

Since launching these programs, the district has seen an increase in student achievement and interest in advanced science classes.

www.impactoneducation.org



Alliance for Education

Recognizing that during their middle school years, students either become more excited about science or shy away from it altogether, the Amgen Foundation awarded the Alliance for Education and Seattle Public Schools with a grant to provide stronger support to science teachers.

The grant supports a resource instructor to train middle school teachers in an inquiry-based science curriculum. In this approach, students play roles as “investigators” in science projects, using critical-thinking skills, models, and hands-on methods to answer questions. The result: better test scores and an increasing number of students who pursue science studies in high school and beyond.

www.alliance4ed.org