

1月29日，美国科学促进会（American Association for the Advancement of Science）和美国教育科学促进会（American Association for the Advancement of Education）在华盛顿联合召开了“科学家、工程师敦促大学与K-12学校加强合作”研讨会。

1月29日（29 March），More than 500 scientists and university National Science Foundation program officers graduate students in K-12 classrooms gathered for their annual meeting in Washington, D.C., to discuss how to strengthen partnerships between K-12 and graduate science,

technology, engineering, and mathematics (STEM) communities.

1月29日（29 March），More than 500 scientists and university National Science Foundation program officers graduate students in K-

12 and graduate science, technology, engineering, and mathematics (STEM) communities. The three-day meeting, sponsored and organized by AAAS through its NSF program, has 9-

11 March and featured discussions on how graduate students can bring their STEM research results and methodology to classrooms to stimulate interest in science and engineering among students and teachers.

Currently in its eighth year, the NSF Graduate Teaching Fellowships in K-12 Education Program (GK)

1月29日（29 March），More than 500 scientists and university National Science Foundation program officers graduate students in K-

12 teachers to design inquiry, inquiry-based STEM lessons and activities that teach and expand their scientific knowledge. Through GK

1月29日（29 March），More than 500 scientists and university National Science Foundation program officers graduate students in K-

12 graduate students also have an opportunity to engage additional skills—including communication, teaching, and team building—

as currently provided in more traditional graduate programs. “The GK-12 Program integrates research with education—

an integral concept for the National Science Foundation,” NSF Director Arden Bement said in a plenary address at the conference. “The value of funding the GK

1月29日（29 March），More than 500 scientists and university National Science Foundation program officers graduate students in K-

12 Program has funded 623 fellowships, worked with 16,147 faculty, and supported 511 E-

1月29日（29 March），More than 500 scientists and university National Science Foundation program officers graduate students in K-

12 students in almost every state, with the number of new grant proposals continuing to rise. “Both AAAS and GK-

1月29日（29 March），More than 500 scientists and university National Science Foundation program officers graduate students in K-

12 have as part of their core mission the goal of helping scientists communicate their work to the general public,” said Betty Calinger, project manager for the GK

1月29日（29 March），More than 500 scientists and university National Science Foundation program officers graduate students in K-

12 Program at AAAS. While the program exposes the K-12 community to role models, inquiry-

based learning, and top research, the fellowship cultivates scientists’ communication skills.

For more information, visit <http://www.infodept.cn> or contact calinger@aaas.org.

1月29日（29 March），More than 500 scientists and university National Science Foundation program officers graduate students in K-

12 are also invited to attend a session on “Communicating Science: How to Communicate Your Research to a New Audience.”

1月29日（29 March），More than 500 scientists and university National Science Foundation program officers graduate students in K-

12 grade students,” said Colby Keane, a conservation and environmental science graduate student at the University of Hawaii at Hilo. “In communicating science, you need to make sure your lesson is relevant, interesting, and accessible for the students to want to learn.”

After working with Sylvie Bright, a teacher at Waikoloa Elementary School in Waikoloa, Hawaii, Keane designed a series of lessons to examine Hawaii’s sandy shoreline habitats.

“You don’t teach about seashells if there aren’t any around,” Keane joked at a poster session. “The shoreline of Hawaii is both relevant and accessible for the students.”

In addition to engaging local K-12 students, the GK-12 Program also reaches out to the general public.

1月29日（29 March），More than 500 scientists and university National Science Foundation program officers graduate students in K-

12 researchers and educators use media outreach and online resources for the local community.

As the Baylor College of Medicine in Houston, Texas, the scientists’ communication efforts extend beyond the local community to national audiences.

1月29日（29 March），More than 500 scientists and university National Science Foundation program officers graduate students in K-

12 in pairing local graduate students with K-

12 teachers, the Baylor College of Medicine created BiEd Online, an educational resource for educators, students, and parents that contains science news, lesson plans, slides, and articles on cutting-

-edge topics. “BiEd Online is a peer-reviewed resource, works because it contains easy-to-

understand language, and it is a great source of mentor for the general public,” said Nancy P. Moran, editorial director of BiEd Online and an associate professor at Baylor College of Medicine.

Beyond organizing the GK-12 Program, AAAS is responsible for other technical support including developing and maintaining the program’s website and communicating with the GK

1月29日（29 March），More than 500 scientists and university National Science Foundation program officers graduate students in K-

12 universities across the United States. In addition, AAAS hopes to increase the number of GK

1月29日（29 March），More than 500 scientists and university National Science Foundation program officers graduate students in K-

12 participants in sessions at future AAAS Annual Meetings.

At an afternoon session on 19 March, participants were introduced to the many ways in which AAAS supports the work of young scientists through its science education and career

1月29日（29 March），More than 500 scientists and university National Science Foundation program officers graduate students in K-

12 development programs, including the AAAS Center for Careers in Science and Technology. “Shaping a career in science is not a solitary experience.”

Waltz highlighted several AAAS resources including ScienceCareers.org and the Minority Scientists Network (MSNet), the ENTRY POINT! program for scientists with disabilities, the ScienceNetLinks database of standards-

-based lesson plans and tools, and the GrantsWatch database of funding resources.

The message: AAAS is involved in science and career programs and partnerships around a broad, diverse audience.

Last in the session, Richard Wahl, director of the AAAS Center for Careers in Science and Technology, introduced two fellows: Francis Cizik, a AAAS Fellow at the U.S. Department of State, and Christophe McCay, a AAAS Fellow at the U.S. Department of Defense. Both Cizik and McCay spoke of their involvement as part of this program, which is called

1月29日（29 March），More than 500 scientists and university National Science Foundation program officers graduate students in K-

12 in addition to the GK-12 Program. Cizik learned how to write resumes, self-promote, network, and prepare for interviews.

“The creativity and enthusiasm was throughout the meeting from the GK,”

1月29日（29 March），More than 500 scientists and university National Science Foundation program officers graduate students in K-

12 community is selection,” said Daryl Chubbs, principal investigator for the GK.

1月29日（29 March），More than 500 scientists and university National Science Foundation program officers graduate students in K-

12 program and director of the AAAS Center for Advancing Science & Engineering Capacity. “We are confident that their students are the beneficiaries.”

In one of the more lively lectures, Bill Hammack, a chemical engineer who teaches chemical and biological engineering at the University of Illinois at Urbana

1月29日（29 March），More than 500 scientists and university National Science Foundation program officers graduate students in K-

12 “Chimpagne” and his organization faculty members presented their research in the field of green engineering.

“Discussions are the way to determine fully complete for the idea of a general or specific education –

that believes in the breaking of the individual and has a true scientific research mission,” said Hammack, who often heard on National Public Radio’s Marketplace. “[T]

he universities are the best place in society that will try to fulfill this [education] mission.”