

# Academy Funding

## Global Nuclear Future Project Receives \$1.6 Million in Funding

Three of the nation's leading private foundations have awarded grants totaling more than \$1.6 million to the American Academy in support of its initiative on the Global Nuclear Future.

Grants from Carnegie Corporation of New York, the William and Flora Hewlett Foundation, and the Alfred P. Sloan Foundation will advance the Academy's efforts to convene experts from the research, engineering, industry, academic, and policy communities to find and promote ways of minimizing the potential security risks posed by the expansion of nuclear energy.

"We are grateful to Carnegie Corporation of New York, the William and Flora Hewlett Foundation, and the Alfred P. Sloan Foundation for partnering with the Academy to address one of the great challenges of our time," said Chief Executive Officer Leslie Berlowitz. "With more than five decades of experience working on nuclear arms control and energy security issues, and relying on a broad consortium of institutions and individuals, the American Academy is in a special position to contribute valuable ideas and policy advice in this area."

While the world will rely on many sources to meet growing energy demand and to address concerns about climate change, nuclear power is the only energy source that both avoids carbon emissions and is technologically mature enough for large-scale deployment in a relatively short time frame, according to the project's Codirectors Steven E. Miller (Harvard University) and Scott D. Sagan (Stanford University).

The initiative is working to develop pragmatic recommendations for global nuclear growth that reduce the probability that a terrorist group could steal or acquire nuclear material from a nuclear facility; diminish the likelihood that new nuclear states will retain and reprocess spent fuel materials, which could facilitate their development of nuclear weapons; limit the number of states with uranium enrichment facilities; increase the focus of the nuclear industry on nonproliferation and security concerns; and strengthen the international Nonproliferation Treaty regime.

By bringing together constituencies in the United States and abroad that historically have not communicated with each other – from government policy-makers to the heads of nongovernmental organizations, from nuclear engineers to industry leaders, from social scientists to nonproliferation experts – the Academy's project seeks to contribute to a new global architecture for the nuclear future, accounting for new players, varying interests, and changing realities.

The Global Nuclear Future Initiative is led by Fellows Steven E. Miller and Scott D. Sagan, with research coordinator Thomas Isaacs (Stanford University and Lawrence Livermore National Laboratory) and senior advisor and Fellow Robert Rosner (University of Chicago). Academy Fellows John W. Rowe (Exelon Corporation), Richard A. Meserve (Carnegie Institution for Science), and Albert Carnesale (University of California, Los Angeles) are among the expert members of the project's advisory committee.

For more about the Academy's Initiative on the Global Nuclear Future, see <http://www.amacad.org/projects/globalNuclear1.aspx>. ■

## Hellman Fellowship in Science and Technology Policy



Hellman Fellow Kimberly Durniak, Warren Hellman, Chris Hellman, and Hellman Fellows Dorit Zuk and John Randell

The Hellman Fellowship in Science and Technology Policy, established by the Hellman Family Foundation in 2007, encourages scholarship in science policy. Hellman Fellows work with senior scientists and policy experts on critical national and international policy issues related to science, engineering, and technology.

On October 10, 2009, Hellman Fellows Dorit Zuk, Kimberly Durniak, and John Randell met with Warren and Chris Hellman. They described their experiences as Hellman Fellows and the impact of the fellowship on their careers.

"The Hellman Fellowship has given me an opportunity to work on a broad range of research projects," said Durniak. "It has been especially gratifying to work on studies that are dealing with science funding and energy policy because of their impact on America's competitiveness in a global society."

The Academy is grateful to the Hellman Family Foundation and to Warren Hellman for establishing the Hellman Fellowship in Science and Technology Policy. ■