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Good morning. My name is Caroline Trupp Gil, and I am speaking today on behalf of the American Chemical Society and its more than 158,000 members, and in particular, ACS President Diane Grob Schmidt. The ACS would like to commend the Obama Administration for prioritizing investments in nanoscience, and to affirm the importance of OSTP's Nanotechnology Grand Challenges.

As you heard earlier this morning, the field of nanotechnology has seen enormous advances since the inception of the National Nanotechnology Initiative. The interdisciplinary tools and technologies enabled by nanoscience have the potential to benefit society in many areas: medicine, energy, water, food, materials, and electronics, to name a few. Breakthroughs in nanoscience have touched virtually all aspects of the chemistry enterprise. The mission of the ACS is "Improving people's lives through the transforming power of chemistry," and nanotechnology has demonstrated how truly transformative chemistry—and indeed, all of science—can be.

Looking ahead, the scientific community must now address the realities of moving promising research out of the lab to the market. Many basic nanomaterial applications are already in the marketplace as product enablers, but high-volume manufacturing of more advanced and sophisticated materials remains a challenge. And as with all new advances, meeting that challenge in an environmentally safe and responsible manner must be an integral part of the plan.

For all of these reasons, ACS believes the National Nanotechnology Initiative continues to play an invaluable role in providing support, coordination and focus. ACS applauds the OSTP Nanotechnology Grand Challenges effort, which will help ensure that nanotechnology's enormous potential continues to be developed for societal good. And finally, ACS looks forward to continuing to partner with OSTP and the NNI to encourage our members in meeting these challenges.