Louis E. Brus, the Samuel Latham Mitchill Professor of Chemistry at Columbia University, is the recipient of the NAS Award in Chemical Sciences. Brus is being honored for his leading role in the development of fundamental building blocks for nanoscience, colloidal semiconductor nanocrystals, and for his contributions to the understanding of the quantum effects that control their optical properties. The award, which includes $15,000 and a medal, honors innovative research in the chemical sciences that contributes to a better understanding of the natural sciences and to the benefit of humanity.

Gerald F. Joyce, a professor in the departments of chemistry and molecular biology at Scripps Research Institute, will receive the first Stanley Miller Medal, which is one part of the NAS Award for Early Earth & Life Sciences. Joyce is being honored for his pioneering experiments on the self-sustained replication and evolution of ribozymes. The Stanley Miller Medal recognizes outstanding research on early Earth and comes with a medal and a $10,000 prize.

**JOHN ENGEN GETS ARTHUR FINDEIS AWARD**

John R. Engen, an associate professor of chemistry and chemical biology at Northeastern University, has won the Arthur Findeis Award for Achievements by a Young Analytical Scientist, presented by the ACS Division of Analytical Chemistry.

Engen collaborated with Waters Corp. to pioneer the combined use of hydrogen-deuterium exchange technology, ultra-performance liquid chromatography, and ion mobility mass spectrometry to better understand the conformation of proteins that are thought to play a major role in some diseases. He received the award during the 2009 fall ACS national meeting in Washington, D.C.

**JEFFREY MILLER NABS CATALYSIS AWARD**

Jeffrey T. Miller, heterogeneous catalysis group leader at Argonne National Laboratory, is the recipient of the 2010 F. G. Ciapetta Lectureship in Catalysis Award, presented by the North American Catalysis Society. The award, cosponsored by W.R. Grace, is presented every other year to honor substantial contributions to one or more areas in the field of catalysis, with emphasis on industrially significant catalysts and catalytic processes and the discovery of new catalytic reactions and systems of potential industrial importance.

Miller is a leader in the application of X-ray absorption methods during catalysis to probe synthetic pathways, identify active sites, and determine the dynamics of specific elementary steps within complex catalytic sequences.

**LUIS COLÓN RECEIVES AAAS MENTOR AWARD**

Luis A. Colón, chair of the department of chemistry at the State University of New York, Buffalo, is the recipient of the 2009 AAAS Mentor Award from the American Association for the Advancement of Science. Colón is being honored for his commitment to advancing diversity in the chemical sciences. His work has led to an increase in Hispanic American students receiving Ph.D.s in chemistry.

The AAAS Mentor Award recognizes individuals who have encouraged significant numbers of underrepresented students toward a Ph.D. in the sciences. It also celebrates awardees’ scholarship, activism, and community building on behalf of underrepresented groups in science, technology, engineering, and mathematics fields.

Colón received the award—a $5,000 prize plus a commemorative plaque—during the AAAS annual meeting in San Diego in February.

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