

Wolf Prize in Chemistry for A. Paul Alivisatos and Charles M. Lieber

The 2012 Wolf Prize in Chemistry was shared between A. Paul Alivisatos (Lawrence Berkeley National Laboratory and University of California, Berkeley) and Charles M. Lieber (Harvard University). These prizes, which are awarded annually by the Israeli Wolf Foundation in various fields in the sciences and in the arts, comprise a certificate and \$100 000.

A. Paul Alivisatos studied at the University of Chicago and received his PhD in 1986 from the University of California, Berkeley, supervised by Charles B. Harris. After postdoctoral work with Louis E. Brus at AT&T Bell Labs from 1986–1988, he joined the faculty at the University of California, Berkeley, where he is currently Larry and Diane Bock Professor of Nanotechnology and Director of the Lawrence Berkeley National Laboratory. Alivisatos' research interests are in nanoscience and nanotechnology, and he was honored for his work on the development of colloidal inorganic nanocrystals. He has recently reported in *Angewandte Chemie* on a molybdenum sulfide catalyst for hydrogen generation,^[1a] and on the synthesis of highly luminescent nanocrystals.^[1b]

Charles M. Lieber studied at Franklin and Marshall College and carried out his PhD (awarded in 1985) at Stanford University under the direction of Nathan S. Lewis. He was a postdoctoral researcher with Harry B. Gray at the California Institute of Technology from 1985–1987, and he started his independent career at Columbia University in 1987. In 1991, he moved to Harvard University, where he currently has a joint appointment in the Department of Chemistry and Chemical Biology (as Mark Hyman Professor) and the School of Engineering and Applied Science. Lieber's research is focused on nanoscale materials, and he was recognized in particular for his work on single-crystalline semiconducting nanowires. He has published a Review in *Advanced Materials* on nanomaterials for neural interfaces^[2a] and has reported in *Small* on carrier depletion in semiconducting nanowires.^[2b]

F. A. Cotton Medal for R. Graham Cooks

R. Graham Cooks (Purdue University) has been awarded the F. A. Cotton Medal for Excellence in Chemical Research for his contributions to mass spectrometry. This award was established in 1995 by the ACS Texas A&M University Section and the Chemistry Department at Texas A&M University in honor of F. Albert Cotton. Cooks received PhD degrees from the University of Natal (South

Africa) in 1965 (with Frank L. Warren) and the University of Cambridge in 1967 (with Peter Sykes). After postdoctoral work with Dudley H. Williams at the University of Cambridge, he was appointed assistant professor at Kansas State University in 1968. In 1971, he moved to Purdue University, where he is currently Henry Bohn Hass Distinguished Professor of Chemistry. Cooks' research interests are in mass spectrometry, including the understanding of physical phenomena, development of new instrumentation, and chemical reactions under vacuum and in microdroplets. He has reported in *Angewandte Chemie* on desorption electrospray ionization mass spectrometry^[3a] and induced nanoelectrospray ionization.^[3b]

Southern Chemist Award for Hans-Conrad zur Loye

The 2011 Southern Chemist Award was presented to Hans-Conrad zur Loye (University of South Carolina) by the ACS Memphis Section. H.-C. zur Loye studied at Brown University and was awarded his PhD from the University of California, Berkeley, in 1988 under the supervision of Angela Stacy. He spent one year as a postdoctoral fellow at Northwestern University with Duward Shriver before starting as an assistant professor in the Chemistry Department of MIT in 1989. In 1996, he moved to the University of South Carolina, where he is currently David W. Robinson Palmetto Professor and Associate Dean for Research. His research interests focus on the area of inorganic materials chemistry, and his recent Review in *Angewandte Chemie* is on the topic of flux crystal growth.^[4]

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- [2] a) N. A. Kotov, J. O. Winter, I. P. Clements, E. Jan, B. P. Timko, S. Campidelli, S. Pathak, A. Mazzatenta, C. M. Lieber, M. Prato, R. V. Bellamkonda, G. A. Silva, N. W. S. Kam, F. Patolsky, L. Ballerini, *Adv. Mater.* **2009**, *21*, 3970; b) O. Hayden, G. Zheng, P. Agarwa, C. M. Lieber, *Small* **2007**, *3*, 2048.
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Awarded ...



A. P. Alivisatos



C. M. Lieber



R. G. Cooks



H.-C. zur Loye