

American Chemical Society 2014 National Award Winners

Awarded ...



A. H. Hoveyda



T. D. Tilley



S. H. Gellman



S. L. Schreiber

The American Chemical Society (ACS) has honored several outstanding scientists in its national awards program. We congratulate all the recipients, and feature a selection of our authors and referees here. **Guy Bertrand** (University of California, San Diego; ACS Award in Inorganic Chemistry),^[1a] **A. Paul Alivisatos** (University of California, Berkeley; ACS Award in the Chemistry of Materials),^[1b] **Paul Knochel** (Ludwig-Maximilians-Universität München; Herbert C. Brown Award for Creative Research in Synthetic Methods),^[1c] **Joseph M. DeSimone** (University of North Carolina, Chapel Hill; Kathryn C. Hach Award for Entrepreneurial Success),^[1d] **R. Graham Cooks** (Purdue University; Nobel Laureate Signature Award for Graduate Education in Chemistry),^[1b] and **William R. Dichtel** (Cornell University; National Fresenius Award)^[1e] were also recently featured in this section.

Amir H. Hoveyda (Boston College) is the recipient of the ACS Award for Creative Work in Synthetic Organic Chemistry. Hoveyda studied at Columbia University, New York, and worked with Stuart L. Schreiber at Yale University for his PhD (awarded in 1986). From 1986–1987 and 1988–1990, he was a postdoctoral fellow with David A. Evans at Harvard University, and he worked in the Cancer Group at Pfizer Central Research from 1987–1988. He joined the faculty at Boston College in 1990, and is currently Patricia and Joseph T. '49 Vanderslice Millenium Professor. Hoveyda's research interests are focused on the design and discovery of catalysts for efficient, sustainable, and selective reactions for organic chemistry. His most recent contribution to *Angewandte Chemie* is on the enantioselective synthesis of boron-substituted quaternary carbon stereogenic centers.^[2]

T. Don Tilley (University of California (UC), Berkeley) is the recipient of the ACS Award for Distinguished Service in the Advancement of Inorganic Chemistry. Tilley studied at the University of Texas at Austin, and worked with Richard A. Anderson at the UC Berkeley for his PhD, which was awarded in 1982. After postdoctoral research with Robert H. Grubbs and John E. Bercaw (California Institute of Technology) and Piero Pino and Luigi M. Venanzi (ETH Zurich), he started his independent career at the UC San Diego, and was made professor at the UC Berkeley and senior faculty scientist at the Lawrence Berkeley National Laboratory in 1994. Themes of Tilley's research include synthetic, structural, and reactivity studies within the traditional areas of organometallic chemistry, homogeneous and heterogeneous catalysis, and organic materials chemistry. He has

reported in *Angewandte Chemie* on diruthenium Si–H σ complexes.^[3]

Samuel H. Gellman (University of Wisconsin–Madison) is the recipient of the Ronald Breslow Award for Achievement in Biomimetic Chemistry. Gellman studied at Harvard University, and carried out his PhD (awarded in 1986) with Ronald Breslow at Columbia University, New York. From 1986–1987, he was a postdoctoral fellow with Peter Dervan at the California Institute of Technology, and in 1987, he joined the University of Wisconsin–Madison, where he is currently Ralph F. Hirschmann Professor of Chemistry. Gellman's research interests include the synthesis and applications of peptide foldamers, asymmetric synthesis of amino acids, amphiphiles for membrane protein solubilization, and the design and synthesis of biocompatible polymers. He has reported in *Chemistry—A European Journal* on tripod amphiphiles for membrane protein analysis.^[4]

Stuart L. Schreiber (Howard Hughes Medical Institute, Harvard University, and the Broad Institute of Harvard University and the Massachusetts Institute of Technology (MIT)) is the recipient of the Arthur C. Cope Award. Schreiber studied at the University of Virginia, and was awarded his PhD in 1981 for work supervised by R. B. Woodward and Yoshito Kishi at Harvard University. He subsequently joined the faculty at Yale University, and in 1998, he moved to Harvard University, where he is currently Morris Loeb Professor. He is also a Founding Member and Director of the Center for the Science of Therapeutics at the Broad Institute, where he is a Howard Hughes Medical Institute Investigator. Schreiber's research program involves the integration of chemical biology and human biology to advance the science of therapeutics, as well as principles that underlie information transfer and storage in cells. He has reported in *Angewandte Chemie* on catalytic diastereoselective Petasis reactions.^[5]

Henry F. Schaefer III (University of Georgia, Athens) is the recipient of the Peter Debye Award in Physical Chemistry. Schaefer studied at MIT and carried out his PhD (awarded in 1969) with Frank E. Harris at Stanford University. From 1969–1987, he was on the faculty at the University of California, Berkeley, and in 1987, he was made Graham Perdue Professor of Chemistry and Director of the Center for Computational Quantum Chemistry at the University of Georgia. His research involves the use of state-of-the-art computational hardware and theoretical methods to solve problems in molecular quantum mechanics. He has reported in *Chemistry—A European Journal* on the structural isomers of tetragermacyclobutadiene.^[6]

Dennis P. Curran (University of Pittsburgh) is the recipient of the Ernest Guenther Award in the

Chemistry of Natural Products. Curran studied at Boston College, and carried out his PhD (awarded in 1979) with Andrew S. Kende at the University of Rochester, New York. After postdoctoral work with Barry M. Trost at the University of Wisconsin–Madison, he started his independent career at the University of Pittsburgh in 1981, and is currently Distinguished Service Professor and Bayer Professor of Chemistry. Curran's research includes themes such as radical chemistry, organic synthesis, fluorine chemistry, and carbene–borane chemistry. He has reported in *Advanced Synthesis & Catalysis* on radical reductions by an N-heterocyclic carbene–borane.^[7] Curran is on the International Advisory Board of the *European Journal of Organic Chemistry*.

Scott E. Denmark (University of Illinois, Urbana-Champaign) is the recipient of the Frederic Stanley Kipping Award in Silicon Chemistry. Denmark studied at MIT, and was awarded his doctorate in 1980 for work supervised by Albert Eschenmoser at the ETH Zurich. He subsequently joined the faculty at the University of Illinois, where he is currently Reynold C. Fuson Professor of Chemistry. Denmark is interested in the invention of new synthetic reactions and elucidating the origins of stereocontrol in novel, asymmetric reactions, in particular chiral Lewis base activation of Lewis acids for catalysis in main-group synthetic organic chemistry, and palladium-catalyzed cross-coupling reactions with organofunctional silicon compounds. He has recently published a Minireview in *Angewandte Chemie* on Lewis base catalysis.^[8]

Robert G. Bergman (University of California, Berkeley) is the recipient of the George A. Olah Award in Hydrocarbon or Petroleum Chemistry. Bergman studied at Carleton College, and worked with Jerome A. Berson at the University of Wisconsin for his PhD (awarded in 1966). After postdoctoral research with Ronald Breslow at Columbia University, he joined the California Institute of Technology. In 1977, he moved to the University of California, Berkeley, where he has been Gerald E. K. Branch Distinguished Professor since 2002. He is also Senior Scientist at the Lawrence Berkeley National Laboratory. Bergman's research interests include organic and organotransition metal chemistry, homogeneous catalysis, supramolecular chemistry, and sustainable chemistry. He has reported in *Angewandte Chemie* on supramolecular catalysis.^[9]

Stephen J. Lippard (MIT) is the recipient of the Priestley Medal, which is the highest honor of the ACS. Lippard studied at Haverford College, and completed his PhD (supervised by F. Albert Cotton) at MIT in 1965. After postdoctoral work at MIT, he started his independent career at Columbia University in 1966. He returned to MIT in 1983, and is currently Arthur Amos Noyes Professor of Chemistry. Lippard's research program is centered around bioinorganic chemistry, including platinum anticancer drugs, diiron complexes, bacterial multicomponent monooxygenases, and inorganic neurotransmitters and signal transducers. He has reported in the *European Journal of Inorganic Chemistry* on biomimetic diiron complexes.^[10]

- [1] a) *Angew. Chem.* **2011**, *123*, 2935; *Angew. Chem. Int. Ed.* **2011**, *50*, 2883; b) *Angew. Chem.* **2012**, *124*, 4860; *Angew. Chem. Int. Ed.* **2012**, *51*, 4779; c) *Angew. Chem.* **2012**, *124*, 11840; *Angew. Chem. Int. Ed.* **2012**, *51*, 11672; d) *Angew. Chem.* **2014**, *126*, 40; *Angew. Chem. Int. Ed.* **2014**, *53*, 38; e) *Angew. Chem.* **2013**, *125*, 9789; *Angew. Chem. Int. Ed.* **2013**, *52*, 9611.
- [2] S. Radomkit, A. H. Hoveyda, *Angew. Chem.* **2014**, DOI: 10.1002/ange.201309982; *Angew. Chem. Int. Ed.* **2014**, DOI: 10.1002/anie.201309982.
- [3] M. C. Lipke, T. D. Tilley, *Angew. Chem.* **2012**, *124*, 11277; *Angew. Chem. Int. Ed.* **2012**, *51*, 11115.
- [4] P. S. Chae, A. C. Kruse, K. Gotfryd, R. R. Rana, K. H. Cho, S. G. F. Rasmussen, H. E. Bae, R. Chandra, U. Gether, L. Guan, B. K. Kobilka, C. J. Loland, B. Byrne, S. H. Gellman, *Chem. Eur. J.* **2013**, *19*, 15645.
- [5] G. Muncipinto, P. N. Moquist, S. L. Schreiber, S. E. Schaus, *Angew. Chem.* **2011**, *123*, 8322; *Angew. Chem. Int. Ed.* **2011**, *50*, 8172.
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- [7] X. Pan, J. Lalevée, E. Lacôte, D. P. Curran, *Adv. Synth. Catal.* **2013**, *355*, 3522.
- [8] G. L. Beutner, S. E. Denmark, *Angew. Chem.* **2013**, *125*, 9256; *Angew. Chem. Int. Ed.* **2013**, *52*, 9086.
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- [10] Y. Li, C. M. Myae Soe, J. J. Wilson, S. L. Tuang, U.-P. Apfel, S. J. Lippard, *Eur. J. Inorg. Chem.* **2013**, 2011.

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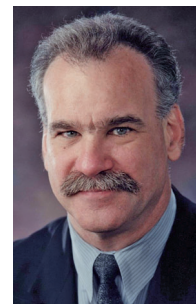
In this section, we report on various awards for chemists who are closely connected with *Angewandte Chemie* and its sister journals as authors, referees, or board members.



H. F. Schaefer III



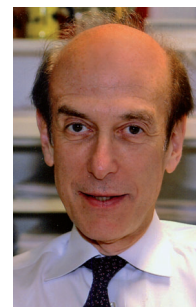
D. P. Curran



S. E. Denmark



R. G. Bergman



S. J. Lippard