

American Chemical Society 2013 National Award Winners

The American Chemical Society (ACS) recently named several outstanding scientists as recipients of its 2013 national awards. We congratulate all the awardees and feature some of our authors and referees here. Other award winners who have been previously featured in this section include: **Timothy M. Swager** (Massachusetts Institute of Technology; Award for Creative Invention),^[1a] **Craig J. Hawker** (University of California, Santa Barbara; Award in Polymer Chemistry),^[1b] **Younan Xia** (Georgia Institute of Technology; Award in the Chemistry of Materials),^[1c] **David A. Evans** (Harvard University; Roger Adams Award in Organic Chemistry),^[1d] **John F. Hartwig** (University of California, Berkeley; Herbert C. Brown Award for Creative Research in Synthetic Methods),^[1e] **Stephen L. Buchwald** (Massachusetts Institute of Technology; Arthur C. Cope Award),^[1f] **Martin D. Burke** (University of Illinois at Urbana-Champaign; Elias J. Corey Award for Outstanding Original Contribution in Organic Synthesis by a Young Investigator),^[1g] **Gregory H. Robinson** (University of Georgia; F. Albert Cotton Award in Synthetic Inorganic Chemistry),^[1h] and **Tobin J. Marks** (Northwestern University; Gabor A. Somorjai Award for Creative Research in Catalysis).^[1i]

Nancy S. Goroff (State University of New York at Stony Brook) is the recipient of the Award for Creative Research & Applications of Iodine Chemistry. Goroff studied at Harvard University and received her PhD (supervised by François Diederich) from the University of California, Los Angeles, in 1994. From 1994–1997, she was a postdoctoral researcher at the University of Michigan, and she started her career at Stony Brook in 1997. Goroff and her research group are interested in the synthesis and properties of carbon-rich molecules and materials. She has reported in the *European Journal of Organic Chemistry* on the synthesis of symmetric polyynes.^[2]

Iwao Ojima (State University of New York at Stony Brook) is the recipient of the Award for Creative Work in Fluorine Chemistry. Ojima studied at the University of Tokyo, where he received his PhD (supervised by Naoki Inamoto) in 1973. He subsequently worked at the Sagami Institute of Chemical Research, and, in 1983, he joined the faculty at Stony Brook, where he is currently Distinguished Professor and Director of the Institute of Chemical Biology and Drug Discovery. Ojima's research interests include drug design and discovery, antimicrobial agents, and synthetic methods. He has reported in *Chemistry—An Asian Journal* on chiral biphenol-based diphosphonite ligands.^[3]

Erick M. Carreira (ETH Zurich) is the recipient of the Award for Creative Work in Synthetic Organic Chemistry. Carreira studied at the University of Illinois at Urbana-Champaign, and worked with David A. Evans at Harvard University for his PhD, which was awarded in 1990. After postdoctoral work with Peter Dervan at the California Institute of Technology, he joined the faculty there in 1992. He was made Professor of Organic Chemistry at the ETH Zurich in 1998. Carreira's research is centered on the asymmetric synthesis of biologically active and stereochemically complex natural products. Among his many publications in *Angewandte Chemie*, one of the most recent is on the total synthesis and stereochemical assignment of gomerone C.^[4]

Peter C. Ford (University of California, Santa Barbara) is the recipient of the Award for Distinguished Service in the Advancement of Inorganic Chemistry. Ford studied at the California Institute of Technology and worked with Kenneth B. Wilberg for his PhD (awarded in 1966). After a postdoctoral fellowship with Henry Taube at Stanford University (1966–1967), he was appointed to the faculty at the University of California, Santa Barbara, where he remains to this day. Themes of Ford's research include reactions of coordinated nitrogen oxides, the photochemical delivery of bioregulatory molecules, and the catalytic conversion of biomass feedstocks. He has reported in *Small* on upconverting nanostructured materials.^[5]

Steve Granick (University of Illinois at Urbana-Champaign) is the recipient of the Award in Colloid & Surface Chemistry. Granick studied at Princeton University and received his PhD from the University of Wisconsin-Madison in 1982. After postdoctoral work with Pierre-Gilles de Gennes at the Collège de France and with Matthew Tirrell at the University of Minnesota, he started his independent career at the University of Illinois in 1985. Granick's research program involves the study of fundamental materials processes, in particular soft materials. He has reported in *Angewandte Chemie* on the directional self-assembly of a colloidal metal–organic framework.^[6]

Samuel I. Stupp (Northwestern University) is the recipient of the Ronald Breslow Award for Achievement in Biomimetic Chemistry. Stupp studied at the University of California, Los Angeles, and worked with John Kaufmann and Stephen H. Carr at Northwestern University for his PhD (awarded in 1977). He remained at Northwestern University as assistant professor until 1980, when he moved to the University of Illinois at Urbana-Champaign. In 1999, he returned to Northwestern University, where he is currently Board of Trustees Professor of Materials Science, Chemistry, and Medicine. Stupp's research interests involve the integration of chemistry with materials science,

Awarded ...



N. S. Goroff



I. Ojima



E. M. Carreira



P. C. Ford



S. Granick



S. I. Stupp



W. E. Moerner



S. M. Kauzlarich



D. L. Boger



A. T. Bell



P. J. Stang

biology, and medicine, in particular the creation of nanostructures and materials that have applications in advanced medicine and energy techniques. His report on the electrostatic control of bioactivity was featured on a cover of *Angewandte Chemie*.^[7]

W. E. Moerner (Stanford University) is the recipient of the Peter Debye Award in Physical Chemistry. Moerner studied at Washington University, St. Louis, and Cornell University, and received his PhD from the latter institution in 1982 for work supervised by Albert J. Sievers. He subsequently joined the IBM Almaden Research Center, San José, and in 1995, he was made a faculty member at the University of California, San Diego. He moved to Stanford University in 1998, and is currently Harry S. Mosher Professor of Chemistry and Professor of Applied Physics. Moerner and his research group are interested in single-molecule spectroscopy, superresolution imaging, and nanophotonics. He has reported in *Angewandte Chemie* on a selenium analogue of firefly D-luciferin.^[8] Moerner is on the Editorial Advisory Board of *ChemPhysChem*.

Susan M. Kauzlarich (University of California, Davis) is the recipient of the Francis P. Garvan–John M. Olin Medal. Kauzlarich studied at the College of William and Mary, and received her PhD in 1985 from Michigan State University. After postdoctoral work at Iowa State University from 1985–1987, she was appointed to the University of California, Davis. Kauzlarich's research interests are in solid-state and materials chemistry, including magnetic, electronic, and thermoelectric materials. She has reported in the *European Journal of Inorganic Chemistry* on the synthesis and properties of CaFe_4As_3 .^[9]

Dale L. Boger (The Scripps Research Institute, La Jolla) is the recipient of the Ralph F. Hirschmann Award in Peptide Chemistry. Boger studied at the University of Kansas and received his PhD (supervised by E. J. Corey) from Harvard University in 1980. He was appointed to the faculty at the University of Kansas and moved to Purdue University in 1985. He joined The Scripps Research Institute in 1991, and is currently Richard and Alice Cramer Professor of Chemistry. Boger's research interests include natural product synthesis, medicinal chemistry, and combinatorial chemistry. He has reported in the *European Journal of Organic Chemistry* on ligand/DNA interactions.^[10]

Alexis T. Bell (University of California, Berkeley) is the recipient of the George A. Olah Award in Hydrocarbon or Petroleum Chemistry. Bell studied at the Massachusetts Institute of Technol-

ogy, where he was awarded his doctorate in 1967. He is currently Theodore Vermeulen Professor of Chemical Engineering at the University of California, Berkeley, and Faculty Senior Scientist at the Lawrence Berkeley National Laboratory. Bell's research is focused on understanding the relationships between the composition of heterogeneous catalysts and their performance. He has reported in *ChemSusChem* on the acid-catalyzed hydrolysis of cellulose.^[11]

Peter J. Stang (University of Utah) is the recipient of the Priestley Medal, which is the highest honor of the ACS and is awarded for distinguished service in the field of chemistry. Stang's career and other achievements were highlighted here when he received the National Medal of Science.^[12]

- [1] a) *Angew. Chem.* **2012**, *124*, 8549; *Angew. Chem. Int. Ed.* **2012**, *51*, 8423; b) *Angew. Chem.* **2011**, *123*, 5535; *Angew. Chem. Int. Ed.* **2011**, *50*, 5423; c) *Angew. Chem.* **2012**, *124*, 36; *Angew. Chem. Int. Ed.* **2012**, *51*, 36; d) *Angew. Chem.* **2012**, *124*, 7479; *Angew. Chem. Int. Ed.* **2012**, *51*, 7365; e) *Angew. Chem.* **2011**, *123*, 10194; *Angew. Chem. Int. Ed.* **2011**, *50*, 10018; f) *Angew. Chem.* **2010**, *122*, 2716; *Angew. Chem. Int. Ed.* **2010**, *49*, 2658; g) *Angew. Chem.* **2013**, *125*, 1117; *Angew. Chem. Int. Ed.* **2013**, *51*, 1083; h) *Angew. Chem.* **2012**, *124*, 7748; *Angew. Chem. Int. Ed.* **2012**, *51*, 7630; i) *Angew. Chem.* **2012**, *124*, 10367; *Angew. Chem. Int. Ed.* **2012**, *51*, 10221.
- [2] R. C. DeCicco, A. Black, L. Li, N. S. Goroff, *Eur. J. Org. Chem.* **2012**, 4699.
- [3] C. Shi, C.-W. Chien, I. Ojima, *Chem. Asian J.* **2011**, *6*, 674.
- [4] N. Huwyler, E. M. Carreira, *Angew. Chem.* **2012**, *124*, 13243; *Angew. Chem. Int. Ed.* **2012**, *51*, 13066.
- [5] J. V. Garcia, J. Yang, D. Shen, C. Yao, X. Li, R. Wang, G. D. Stucky, D. Zhao, P. C. Ford, F. Zhang, *Small* **2012**, *8*, 3800.
- [6] N. Yanai, S. Granick, *Angew. Chem.* **2012**, *124*, 5736; *Angew. Chem. Int. Ed.* **2012**, *51*, 5638.
- [7] J. E. Goldberger, E. J. Berns, R. Bitton, C. J. Newcomb, S. I. Stupp, *Angew. Chem.* **2011**, *123*, 6416; *Angew. Chem. Int. Ed.* **2011**, *50*, 6292.
- [8] N. R. Conley, A. Dragulescu-Andrasi, J. Rao, W. E. Moerner, *Angew. Chem.* **2012**, *124*, 3406; *Angew. Chem. Int. Ed.* **2012**, *51*, 3350.
- [9] T. Yi, A. P. Dioguardi, P. Klavins, N. J. Curro, L. L. Zhao, E. Morosan, S. M. Kauzlarich, *Eur. J. Inorg. Chem.* **2011**, 3920.
- [10] S. Di Micco, D. L. Boger, R. Riccio, G. Bifulco, *Eur. J. Org. Chem.* **2008**, 2454.
- [11] S. J. Dee, A. T. Bell, *ChemSusChem* **2011**, *4*, 1166.
- [12] *Angew. Chem.* **2012**, *124*, 878; *Angew. Chem. Int. Ed.* **2012**, *51*, 854.

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