

## ACS 2012 National Award Winners

The American Chemical Society recently honored a number of outstanding scientists, including some of *Angewandte Chemie*'s more regular authors and referees. We congratulate all the recipients featured here, as well as **Chad A. Mirkin** (Northwestern University; Award for Creative Invention),<sup>[1]</sup> **Gregory C. Fu** (Massachusetts Institute of Technology; Award for Creative Work in Synthetic Organic Chemistry),<sup>[2]</sup> **Chi-Huey Wong** (Academia Sinica, Taiwan and The Scripps Research Institute, La Jolla; Arthur C. Cope Award),<sup>[3]</sup> **Jeffrey S. Johnson** (University of North Carolina, Chapel Hill; Elias J. Corey Award for Outstanding Original Contribution in Organic Synthesis by a Young Investigator),<sup>[4]</sup> **James A. Dumesic** (University of Wisconsin, Madison; George A. Olah Award in Hydrocarbon or Petroleum Chemistry),<sup>[5]</sup> and **Robert S. Langer** (Massachusetts Institute of Technology; Priestley Medal),<sup>[6]</sup> all of whom have been recently featured in this section.

**David O'Hagan** (University of St. Andrews, UK) received the Award for Creative Work in Fluorine Chemistry. O'Hagan studied at the University of Glasgow (UK), and was awarded his PhD in 1985 from the University of Southampton (UK) supervised by John A. Robinson. After a year of postdoctoral work at Ohio State University with Heinz G. Floss, he became lecturer at the University of Durham (UK) in 1986. He was appointed Professor and Head of Organic Chemistry at the University of St. Andrews in 2000. His research interests include the synthesis and properties of organofluorine compounds, medicinal chemistry and enzymology, and fluorinated organic materials.<sup>[7]</sup>

**Arnold L. Rheingold** (University of California, San Diego) received the Award for Distinguished Service in the Advancement of Inorganic Chemistry. Rheingold studied at Case Western Reserve University and received his PhD from the University of Maryland in 1969. After postdoctoral research at the Virginia Polytechnic Institute (1969–70) and faculty positions at The State University of New York, Plattsburgh (1970–1981) and the University of Delaware (1981–1992), he moved to the University of California, San Diego in 1992. Rheingold is interested in using X-ray crystallography for the structural characterization of new compounds.<sup>[8]</sup>

**Philip P. Power** (University of California, Davis) received the Award in Organometallic Chemistry. Power studied at the University of Dublin (Ireland) and received his doctorate in 1977 supervised by Michael F. Lappert at the University of Sussex (UK). From 1978–1980, he was a postdoctoral fellow with Richard H. Holm at Stanford University, and in 1982, he was appointed

to the faculty at the University of California, Davis, where he is currently Distinguished Professor. Power's research is focused on main-group and transition-metal chemistry.<sup>[9]</sup>

**Jonathan A. Ellman** (Yale University) received the Herbert C. Brown Award for Creative Research in Synthetic Methods. Ellman studied at the Massachusetts Institute of Technology, and was awarded his PhD from Harvard University in 1989 under the guidance of David A. Evans. Subsequently, he was an NSF postdoctoral fellow with Peter G. Schultz at the University of California, Berkeley, where he began his independent career in 1992. In 2010, he moved to Yale University where he is Eugene Higgins Professor of Chemistry and Professor of Pharmacology. His research focuses on the development and applications of new synthetic methods and the design and implementation of chemical tools that target enzymes. Ellman is on the International Advisory Board of the *European Journal of Organic Chemistry*.<sup>[10]</sup>

**Christopher A. Reed** (University of California, Riverside) received the F. Albert Cotton Award in Synthetic Inorganic Chemistry. Reed studied at The University of Auckland (New Zealand), where he received his PhD in 1971 working with Warren R. Roper. After two years of postdoctoral studies with James P. Collman at Stanford University, he joined the faculty of the University of Southern California. He moved to his present position as Distinguished Professor of Chemistry at the University of California, Riverside in 1988. Reed's research interests focus on weakly coordinating anions, weakly coordinated ligands, acids, silylium ion chemistry, cationic catalysis, and reactive cations.<sup>[11]</sup>

**Stephen Hanessian** (Université de Montréal, Canada) received the Ernest Guenther Award in the Chemistry of Natural Products. Hanessian completed his PhD (with Melville L. Wolfrom) at Ohio State University in 1960, and after a period at Parke-Davis & Co. (Ann Arbor, Michigan), he joined the Université de Montréal in 1969. He is also professor at the University of California, Irvine. Hanessian's research interests include total synthesis of natural products, medicinal chemistry, and asymmetric synthesis. He is on the International Advisory Board of *ChemMedChem*.<sup>[12]</sup>

**Mitsuo Kira** (Tokohu University, Japan) received the Frederic Stanley Kipping Award in Silicon Chemistry. Kira studied at Kyoto University (Japan), and received his doctorate in 1974 for work supervised by Hideki Sakurai at Tokohu University, where he is currently professor emeritus. From 1977–1978, he was an Alexander von Humboldt Fellow with Hans Bock at the University of Frankfurt (Germany), and from 1990–1998, he was also a team leader at the Photodynamics Research Center, The Institute of Physical and

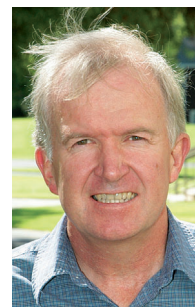
## Awarded ...



D. O'Hagan



A. L. Rheingold



P. P. Power



J. A. Ellman



C. A. Reed



S. Hanessian



M. Kira



E. Iglesia



R. E. Schaak

Chemical Research (RIKEN, Japan). Kira's current research interests are on the origin of the unusual structure and bonding, and reaction mechanisms, of unsaturated silicon compounds.<sup>[13]</sup>

**Enrique Iglesia** (University of California, Berkeley) was awarded the Gabor A. Somorjai Award for Creative Research in Catalysis. Iglesia studied at Princeton University and received his PhD (working with Michel Boudart) from Stanford University in 1982. From 1982–1993, he worked at the Exxon Corporate Research Laboratories as Research Associate and Section Head, Catalysis Science, and in 1993, he joined the University of California at Berkeley, where he is currently the Theodore Vermeulen Chair in Chemical Engineering. He is also Faculty Senior Scientist at the E. O. Lawrence Berkeley National Laboratory. His research interests include the synthesis and the structural and mechanistic characterization of inorganic solids that can be used as catalysts.<sup>[14]</sup>

**Raymond E. Schaak** (Pennsylvania State University) received the National Fresenius Award. Schaak studied at Lebanon Valley College, Pennsylvania, and completed his PhD at Pennsylvania State University in 1998 supervised by Thomas E. Mallouk. After postdoctoral research with Robert J. Cava at Princeton University, he was appointed assistant professor at Texas A&M University in 2003. He joined the faculty at Pennsylvania State University in 2007. Schaak's research interests are in developing new synthetic strategies for nanostructured inorganic solids.<sup>[15]</sup> (Photo courtesy of Pennsylvania State University.)

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- [5] *Angew. Chem.* **2011**, *123*, 5119; *Angew. Chem. Int. Ed.* **2011**, *50*, 5015.
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