

American Chemical Society 2016 National Award Winners

The American Chemical Society (ACS) has recently honored several outstanding scientists in its national awards scheme. We feature a selection of the awardees who are connected with *Angewandte Chemie* and its sister journals as authors, referees, or board members. We also congratulate those who were already featured in this section: **Shannon S. Stahl** (University of Wisconsin–Madison; joint winner of the ACS Award for Affordable Green Chemistry),^[1a] **Scott J. Miller** (Yale University; ACS Award for Creative Work in Synthetic Organic Chemistry),^[1b] **Nicholas L. Abbott** (University of Wisconsin–Madison; ACS Award in Colloid & Surface Chemistry),^[1c] **Mercouri G. Kanatzidis** (Northwestern University; ACS Award in Inorganic Chemistry),^[1d] **Jean-Luc E. Brédas** (King Abdullah University of Science and Technology; ACS Award in the Chemistry of Materials),^[1e] **Tom W. Muir** (Princeton University; Ronald Breslow Award for Achievement in Biomimetic Chemistry),^[1f] **Eric N. Jacobsen** (Harvard University; Arthur C. Cope Award),^[1g] **Phil S. Baran** (The Scripps Research Institute, La Jolla; Elias J. Corey Award for Outstanding Original Contribution in Organic Synthesis by a Young Investigator),^[1g] **Geoffrey W. Coates** (Cornell University; joint winner of the Kathryn C. Hach Award for Entrepreneurial Success),^[1h] and **Donna G. Blackmond** (The Scripps Research Institute, La Jolla; Gabor A. Somorjai Award for Creative Research in Catalysis).^[1i]

Mostafa El-Sayed (Georgia Institute of Technology) is the recipient of the Priestley Medal, which is the highest honor that the ACS presents.^[2] El-Sayed is on the Editorial Advisory Board of *ChemPhysChem*.

Antonio Facchetti (Polyera Corporation and Northwestern University) is the recipient of the ACS Award for Creative Innovation. Facchetti studied at the ITIS Augusto Righi and the Università degli Studi di Milano, and was awarded his PhD in 1997 for work carried out with Giorgio A. Pagani at the latter institution. He subsequently carried out postdoctoral work with Andrew Streitwieser at the University of California, Berkeley (1997–1998), and with Tobin J. Marks at Northwestern University (1998–2000). He is currently Chief Scientific Officer, Polyera Corporation, and Adjunct Professor of Chemistry at Northwestern University. Facchetti's research interests include organic photovoltaics, and optoelectronic materials and devices.^[3]

Steven H. Strauss (Colorado State University) is the recipient of the ACS Award for Creative Work in Fluorine Chemistry. Strauss, who has been featured in an Author Profile,^[4a] has recently

reported in *Chemistry—A European Journal* on C–F activation by copper.^[4b]

Vincent L. Pecoraro (University of Michigan, Ann Arbor) is the recipient of the ACS Award for Distinguished Service in the Advancement of Inorganic Chemistry. Pecoraro, who has also been featured in an Author Profile,^[5a] has reported in *Angewandte Chemie* on metalloenzyme design.^[5b]

Thomas P. Russell (University of Massachusetts, Amherst, and Lawrence Berkeley National Laboratory) is the recipient of the ACS Award in Applied Polymer Science. Russell studied at Boston State College and the University of Massachusetts at Amherst, and carried out his PhD (awarded in 1979) with Richard S. Stein at the latter institution. From 1979–1981, he was a research fellow with Erhard W. Fischer at the University of Mainz, and from 1981–1996, he was a researcher at the IBM San José Research Center. In 1996, he joined the faculty at the University of Massachusetts, Amherst. Russell's research interests include directed polymer self-assembly and photovoltaic applications of polymers.^[6] Russell is on the Executive Advisory Board for all *Macromolecular* journals, and the Advisory Board of *Advanced Functional Materials*.

Karen I. Goldberg (University of Washington, Seattle) is the recipient of the ACS Award in Organometallic Chemistry. Goldberg studied at Barnard College, Columbia University, New York, and worked with Robert G. Bergman at the University of California, Berkeley, for her PhD (completed in 1988). From 1988–1989, she was a postdoctoral fellow with Bruce E. Bursten at The Ohio State University, and in 1989, she started her independent career at Illinois State University. In 1995, she moved to the University of Washington. Goldberg's research is focused on developing a mechanistic understanding of fundamental reaction steps in organometallic chemistry.^[7]

Edward I. Solomon (Stanford University and SLAC National Accelerator Laboratory) is the recipient of the Alfred Bader Award in Bioinorganic or Bioorganic Chemistry. Solomon studied at Rensselaer Polytechnic Institute and carried out his PhD (completed in 1972) with Donald S. McClure at Princeton University. He subsequently carried out postdoctoral research in McClure's group (1972–1973), as well as with C. J. Ballhausen at the H. C. Ørsted Institute, Copenhagen (1973–1974) and Harry B. Gray at the California Institute of Technology (1974–1975). In 1975, he joined the faculty at the Massachusetts Institute of Technology, and in 1982, he moved to Stanford University. Solomon is interested in bioinorganic chemistry.^[8]

François P. Gabbaï (Texas A&M University) is the recipient of the F. Albert Cotton Award in Synthetic Inorganic Chemistry. Gabbaï has previously been highlighted in an Author Profile.^[9a] He

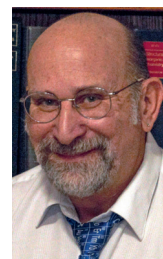
Awarded ...



M. El-Sayed



A. Facchetti



S. H. Strauss



V. L. Pecoraro



T. P. Russell



K. I. Goldberg



E. I. Solomon



F. P. Gabbaï



M. A. Ratner



A. J. R. Heck



E. J. Schelter



T. E. Albrecht-Schmitt

has reported in *Chemistry—A European Journal* on the stepwise reduction of an α -phosphonio-carbocation.^[9b] Gabbaï is on the Editorial Board of *ChemistrySelect*.

Mark A. Ratner (Northwestern University) is the recipient of the Peter Debye Award in Physical Chemistry. Ratner studied at Harvard University, and completed his PhD (supervised by G. Ludwig Hofacker) at Northwestern University in 1969. After postdoctoral research with Jan Linderberg at Aarhus University, he joined the faculty at New York University in 1970. He moved Northwestern University in 1975, and remained there until his retirement in 2015. Ratner's research interests include molecular electronics, energy capture and storage, and DNA dynamics.^[10]

Albert J. R. Heck (Bijvoet Center for Biomolecular Research and Utrecht Institute for Pharmaceutical Sciences, Utrecht University) is the recipient of the Frank H. Field & Joe L. Franklin Award for Outstanding Achievements in Mass Spectrometry. Heck studied at the Vrije Universiteit Amsterdam and worked with Nico M. M. Nibbering at the Universiteit van Amsterdam for his PhD (completed in 1993). From 1993–1995, he was a postdoctoral fellow with Richard N. Zare at Stanford University and David Chandler at the Sandia National Laboratories. From 1996–1998, he was a research fellow and subsequently lecturer at the University of Warwick, and in 1998, he joined Utrecht University. Heck and his research group are interested in proteomics and mass-spectrometric studies on native biological structures.^[11] Heck is on the Editorial Board of *ChemBioChem*.

Eric J. Schelter (University of Pennsylvania) is the recipient of the Harry Gray Award for Creative Work in Inorganic Chemistry by a Young Investigator. Schelter studied at Michigan Technological University, and worked with Kim R. Dunbar at Texas A&M University for his PhD (completed in 2004). From 2004–2009, he carried out postdoctoral work with Kevin D. John, Joe D. Thompson, and Jaqueline L. Kiplinger at Los Alamos National Laboratory, and in 2009, he joined the faculty at the University of Pennsylvania. Schelter's research interests include lanthanide and actinide coordination and organometallic chemistry.^[12]

Thomas E. Albrecht-Schmitt (Florida State University) is the recipient of the Nobel Laureate Signature Award for Graduate Education in Chemistry, which was awarded jointly with former graduate student Matthew J. Polinski. Albrecht-Schmitt studied at Southwest State University, and completed his PhD (supervised by James A. Ibers at Northwestern University) in 1997. After postdoctoral work with John R. Shapley at the University of Illinois at Urbana-Champaign (1997–1998), he started his independent career at Auburn University in 1998. From 2009–2012, he was

professor at the University of Notre Dame, and in 2012, he moved to Florida State University. Albrecht-Schmitt's research involves the synthesis and properties of f-element materials.^[13]

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