Featured ...

K. Anseth

J. S. Francisco
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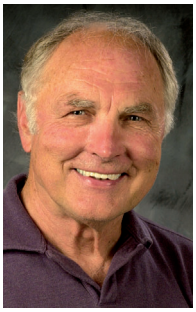
M. Gruebele



G. D. Stucky

C.-M. Che

New Members and Foreign Associates of the National Academy of Sciences

The US National Academy of Sciences recently elected 84 new members and 21 foreign associates. We congratulate all those elected, including **Ronald R. Breaker** (Yale University), **Robert W. Field** (Massachusetts Institute of Technology; MIT), **Naomi J. Halas** (Rice University), **Sharon Hammes-Schiffer** (University of Illinois at Urbana-Champaign), **Wilson Ho** (University of California, Irvine), **Ruth S. Nussenzweig** (New York University School of Medicine), **Stephen R. Quake** (Stanford University), **John H. Seinfeld** (California Institute of Technology), and **Gerhard Wagner** (Harvard Medical School), and feature some of our more regular authors and referees here.

Kristi Anseth (University of Colorado Boulder) studied at Purdue University, and received her PhD (supervised by Christopher N. Bowman) from the University of Colorado Boulder in 1994. She carried out postdoctoral research with Nicholas Peppas at Purdue University (1995) and Robert S. Langer at MIT (1995–1996), and joined the faculty at the University of Colorado Boulder in 1996. She is currently Distinguished Professor of Chemical and Biological Engineering, Tisone Professor, and Howard Hughes Medical Institute Investigator. Anseth's research interests include materials for use in drug delivery and regenerative medicine. Her report on the photoreversible patterning of biomolecules was featured on a cover of *Angewandte Chemie*.[1]

Joseph S. Francisco (Purdue University) studied at the University of Texas at Austin, and worked with Jeffrey I. Steinfeld at MIT for his PhD (awarded in 1983). After postdoctoral research with Ian W. M. Smith and Nicholas C. Handy at the University of Cambridge (1983–1985), and Jeffrey I. Steinfeld at MIT (1985–1986), he started his independent career at Wayne State University in 1986. He moved to Purdue University in 1995, and is currently William E. Moore Distinguished Professor, and also Honorary International Chair Professor at the National Taipei University, Taiwan. Francisco and his research group are interested in chemical processes in the atmosphere, including the role of water in mediating atmospheric reactions. He has reported in *Angewandte Chemie* on the reactivity of small radicals such as $HO_2^{\bullet}$ and $O_2^{\bullet-}$ at the air–water interface,[2a] and in *Chemistry—A European Journal* on hydrogen migrations in alkylcycloalkyl radicals.[2b]

Martin Gruebele (University of Illinois at Urbana-Champaign) studied at the University of California, Berkeley, and obtained his PhD (awarded in 1988) in the group of Richard Saykally. From 1989–1992, he was a postdoctoral fellow with Ahmed Zewail at the California Institute of Technology. In 1992, he joined the faculty of the University of Illinois, and is currently Professor of Chemistry, Physics, and Biophysics, and of Computational Biology. Gruebele's research focuses on the use of laser techniques to study a number of different areas, including protein and RNA folding, vibrational energy flow in molecules, dynamics on glass surfaces, single-molecule absorption, and vertebrate swimming dynamics. His report on the detection of protein–water dynamics upon protein folding was featured on a cover of *Angewandte Chemie*,[3a] and he has reported in *Chemistry—A European Journal* on the rapid perturbation of free-energy landscapes.[3b]

Galen D. Stucky (University of California, Santa Barbara) studied at McPherson College and received his PhD from Iowa State University in 1962 for work supervised by R. E. Bundle. After postdoctoral work with Clifford G. Shull at MIT (1962–1963), and a National Science Foundation Fellowship to work with Per Löwdin at the Florida Quantum Chemistry Institute (1963), he started his independent career at the University of Illinois at Urbana-Champaign in 1964. From 1980–1985, he worked at Sandia National Laboratory and DuPont Central Research and Development, and in 1985, he joined the University of California, Santa Barbara, where he is currently E. Khashoggi Industries, LLC Professor in Letters and Science. Themes of Stucky's research include the molecular assembly of composite systems, the interface of inorganic compounds with biomolecules, and the efficient conversion of energy resources. He has reported in *Advanced Materials* on an mesoporous anisotropic n-type Bi_2Te_3 monolith,[4a] and in *ChemCatChem* on oxidative dehydrogenation.[4b] He is an honorary member of the Editorial Advisory Board of *Small*.

Chi-Ming Che (The University of Hong Kong) studied at The University of Hong Kong, where he was awarded his PhD (supervised by Chung-Kwong Poon) in 1980. After postdoctoral research with Harry B. Gray at the California Institute of Technology from 1980–1983, he started his independent career at the University of Hong Kong, where he is currently Dr. Hui Wai-Haan Chair of Chemistry. Che's research interests include metal complexes as triplet emitters, oxidation chemistry, metal–nitrogen and metal–carbon multiple bonds, and bioinorganic chemistry and chemical biology of metal complexes. He has reported in *Angewandte Chemie* on dirhodium carboxylate catalyzed enantioselective coupling reactions,[5a] and on gold(III) complexes as fluorescent probes and anticancer agents.[5b] Che is on the Editorial or Advisory Boards of *ChemCatChem*, *Chemistry—An Asian Journal*, *Chemistry—A European Journal*, and *ChemPlusChem*.

Christopher M. Dobson (University of Cambridge) studied at the University of Oxford, where he received his doctorate (supervised by R. J. P. Williams) in 1976. After a research fellowship at the same institution, he joined the faculty at Harvard University in 1977, and was also a visiting scientist at MIT. In 1980, he returned to the University of Oxford, and in 2001, he moved to the University of Cambridge, where he is currently John Humphrey Plummer Professor of Chemical and Structural Biology, and Master of St. John's College. Dobson's research is centered on the structures and properties of biological molecules, in particular proteins. He has reported in *Angewandte Chemie* on the toxicity of amyloid fibrils,[6a] and on the energy barriers for amyloid fibril growth.[6b]

Royal Society Wolfson Research Merit Awards

The Royal Society has recently announced 27 Wolfson Research Merit Award recipients. These awards are funded by the Wolfson Foundation and the Department for Business, Innovation, and Skills, and provide five years funding to enable British universities to attract and retain outstanding scientists. We feature some of the recipients here.

Véronique Gouverneur (University of Oxford) received the award to support her work on the fluorination of organic compounds. Gouverneur was featured here when she received a 2011 IUPAC Award to Distinguished Women in Chemistry and Chemical Engineering.[7a] Her most recent contributions to *Angewandte Chemie* include a Communication on the metal-free oxidation of phenols,[7b] and a Minireview on the ^{18}F labeling of arenes.[7c] Gouverneur was also the recipient of a Blaise Pascal Research Chair in 2012.

M. Saiful Islam (University of Bath) studied at University College London, where he was awarded his PhD (supervised by Richard Catlow) in 1987. After postdoctoral work with Roger Baetzold at the Eastman Kodak Labs, Rochester, New York, he started his independent career at the University of Surrey in 1990. He moved to the University of Bath in 2006 and is currently Professor of Materials Chemistry. Islam's research is focused on materials for clean energy applications, including materials for lithium-ion batteries and solid oxide fuel cells. He has reported in *Angewandte Chemie* on apatite ionic conductors for fuel cells,[8a] and on pyrophosphate cathodes for lithium-ion batteries.[8b]

David O'Hagan (University of St. Andrews) was awarded funding for "translating discoveries in organofluorine chemistry into practical applications". O'Hagan was highlighted here when he received the ACS Award for Creative Work in Fluorine Chemistry.[9a] He has reported in *Angewandte Chemie* on the synthesis of benzene hexafluoride.[9b]

Geoffrey Thornton (University College London) received the award to advance his work on functional metal oxide surfaces. Thornton was featured in this section when he received a Humboldt Research Award.[10]

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DOI: 10.1002/anie.201303907


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