Angewandte 50 Years International Edition Chemie

ACS 2011 National Award Winners

The American Chemical Society has honored several of Angewandte's most prolific authors and respected referees. We offer our congratulations to all award recipients mentioned here as well as to **Melanie S. Sanford** (University of Michigan) and **Vy M. Dong** (University of Toronto) who are both members of the Academic Advisory Board of *Advanced Synthesis & Catalysis* and who have recently been featured in the News.[1]

Jeffrey W. Bode (ETH Zurich, Switzerland) received the Elias J. Corey Award for Outstanding Original Contribution in Organic Synthesis by a Young Investigator. Bode studied chemistry at Trinity University in San Antonio, Texas before starting graduate work at the California Institute of Technology and moved with his supervisor, E. M. Carreira, to the ETH where he received his PhD in 2001. From 2001–2003, he was a JSPS Postdoctoral Fellow at the Tokyo Institute of Technology with K. Suzuki. In 2003, he started his independent research career at the University of California, Santa Barbara. In 2007, he moved to the University of Pennsylvania in Philadelphia before joining the ETH in 2010. His research involves the discovery and development of new organic reactions including chemoselective ligation reactions for peptide synthesis and new catalytic processes for C–N, C–O, and C–C bond formation.[2]

David Crich (Institut de Chimie des Substances Naturelles (ICSN), France) received an Arthur C. Cope Scholar Award. Crich graduated in chemistry from the University of Surrey (UK) in 1981 and then went on to do PhD studies at the ICSN under D. H. R. Barton (1984). He continued working at the ICSN until 1985 and in the same year he moved to University College London (UK) to start his own research group. He held positions at the University of Illinois at Chicago (1990–2000) and Wayne State University (2007-2009) before returning to the ICSN in 2009, where is the Director. His current research focuses the development of synthetic methodology, with emphasis of stereocontrolled oligosaccharide synthesis and new ligation methods.[3]

Robert H. Grubbs (California Institute of Technology (Caltech), USA) received the Roger Adams Award in Organic Chemistry. Grubbs was awarded his MSc in 1965 from the University of Florida under M. A. Battiste and his PhD in 1968 from Columbia University under R. Breslow. Two years of postdoctoral work at Stanford University with J. P. Collman was followed by starting his independent research career at Michigan State University in 1969. In 1978, Grubbs moved to Caltech and he was appointed Victor and Elizabeth Atkins Professor of Chemistry in 1990. He is also the Chair Professor at King Fahd University of Petroleum & Minerals Dhahran (Saudi Arabia). Grubbs was awarded the Nobel Prize in Chemistry in 2005 for his breakthrough work on metathesis.[4] He is a member of the International Advisory Board of *Chemistry–An Asian Journal* and *ChemSusChem*.

Craig J. Hawker (University of California, Santa Barbara, USA) received an Arthur C. Cope Scholar Award. Hawker studied chemistry at the University of Queensland, Australia and was awarded his PhD degree in bioorganic chemistry from the University of Cambridge under the guidance of A. R. Battersby (1988). Subsequently, he did a postdoctoral fellowship with J. M. J. Fréchet at Cornell University (1988–1990) and then returned to the University of Queensland as a Queen Elizabeth II Fellow (1991–1993). After 11 years as a scientist at the IBM Almaden Research Center in San Jose, California he moved to UC, Santa Barbara in 2004 where he is a professor in the Materials, Chemistry, and Biochemistry Departments and is Director of the Materials Research Laboratory. His research focuses on synthetic polymer chemistry, nanotechnology, and materials science where he integrates fundamental synthetic studies with the development of nanostructured materials.[5] Hawker is Editor of the *Journal of Polymer Science Part A: Polymer Chemistry* and is a member of the International Advisory Board of *Angewandte Chemie*.

David W. C. MacMillan (Princeton University, USA) received the ACS Award for Creative Work in Synthetic Organic Chemistry. MacMillan studied at the University of Glasgow and in 1990 he received his doctorate from the University of California, Irvine with L. E. Overman. He then went on to do postdoctoral studies with D. A. Evans at Harvard University. In 1998, MacMillan began his independent research career at the University of California, Berkeley before moving to Caltech two years later. He has been at Princeton University since 2006 and was appointed Chairperson of the Department of Chemistry there in 2010. His main research interests include organocatalysis, catalysis, and total synthesis.[6] MacMillan is a member of the International Advisory Board of *Advanced Synthesis & Catalysis* and *Chemistry–An Asian Journal*. He is also the 2011 recipient of the Mitsui Chemicals Catalysis Science Award for his work in the field of organocatalysis.

Keiji Maruoka (Kyoto University, Japan) received an Arthur C. Cope Scholar Award. Maruoka graduated from Kyoto University (1976) and received his PhD from the University of Hawaii (1980) under the guidance of H. Yamamoto. He started his own research group at Nagoya University (1980–1995) before moving to Hokkaido University (1995-2001). Since 2001, he has been a professor at Kyoto University. His research focuses on organic synthesis using bidentate Lewis

J. W. Bode

D. Crich

R. H. Grubbs

C. J. Hawker

D. W. C. MacMillan

K. Maruoka

K. Matyjaszewski

K. Müllen

R. R. Schmidt

V. V. Zhdankin

acids and designer chiral organocatalysts that include chiral C2-symmetric phase-transfer catalysts and binaphthylamine catalysts.[7] Maruoka is a member of the International Advisory Board of *Chemistry–An Asian Journal* and *Advanced Synthesis & Catalysis* as well as a member of the Editorial Board of *The Chemical Record*.

Krzysztof Matyjaszewski (Carnegie Mellon University, USA) received the ACS Award in Applied Polymer Science. Matyjaszewski studied chemistry at the Technical University of Moscow and was awarded his PhD 1976 from the Polish Academy of Sciences (Łódź, Poland) under of S. Penczek. He then took up a two-year postdoctoral fellowship at the University of Florida in 1977. From 1978 to 1984, he was a research associate at the Polish Academy of Sciences and earned his Habilitation at the Technical University of Łódź in 1985. He also spent time at the University of Paris (1984–1985). Since 1985, he has been at Carnegie Mellon University, where he founded and currently directs the Center for Macromolecular Engineering. He is also an adjunct professor at the Department of Petroleum and Chemical Engineering at the University of Pittsburgh and the Polish Academy of Sciences in Łódź. His main research interests include controlled/living polymerization with the most recent emphasis on free-radical systems.[8] Matyjaszewski is a member of the International Advisory Board of *Macromolecular Chemistry and Physics* as well as *Macromolecular Rapid Communications*. He is also a joint winner of the prestigious Wolf Prize in Chemistry for 2011 for his contributions to groundbreaking conceptual and experimental advances in the field of organic materials.

Klaus Müllen (Max Planck Institute for Polymer Research, Mainz, Germany) received the ACS Award in Polymer Chemistry. Müllen earned his Diploma in 1969 from the University of Cologne for work with E. Vogel, and in 1972 he completed his PhD with F. Gerson at the University of Basel, Switzerland. He pursued postdoctoral research with J. F. M. Oth at the ETH in Zurich from 1972, and in 1977 completed his habilitation there. In 1979, he became a professor of Organic Chemistry in Cologne, and in 1983 he accepted a Chair in Organic Chemistry at the University of Mainz. In 1989, he was made Director of the Max Planck Institute for Polymer Research. Along with an honorary professorship at the University of Mainz, he has held an honorary professorship at the Chinese Academy of Sciences since 2006. His research interests focus on synthetic macromolecular chemistry and materials science.[9] Müllen is a member of the International Advisory Board of *Macromolecular Chemistry and Physics*, *Macromolecular Rapid Communications*, and *Chemistry–An Asian Journal*.

Richard R. Schmidt (University of Konstanz, Germany) received the Claude S. Hudson Award in Carbohydrate Chemistry. Schmidt completed his PhD at the University of Stuttgart in 1962 under the guidance of R. Gompper. From 1965 to 1966, he held a postdoctoral fellowship with F. M. Huennekens at the Scripps Research Foundation in La Jolla, USA. In 1969, he returned to the University of Stuttgart to do his Habilitation, and held a professorship there until 1975. He was Full Professor at the University of Konstanz from 1975 to 2003 and is now Emeritus Professor. In recent years, his research has mainly focused on glycoconjugate chemistry and its biological relevance.[10]

Viktor V. Zhdankin (University of Minnesota Duluth, USA) received the ACS Award for Creative Research & Applications of Iodine Chemistry. Zhdankin studied chemistry at the University of Moscow, where he received his PhD under N. S. Zefirov in 1981 and his DSc in 1987. From 1987 to 1989 he divided his time between the Moscow State University and the University of Minnesota Duluth. In 1990, he moved the University of Utah and became a research associate with P. J. Stang before moving to Minnesota in 1996. Zhdankin's research involves exploring the chemistry of hypervalent iodine, organoboronic acids, and fluorine.[11]

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