

Awarded ...

Royal Society of Chemistry Awards

The UK Royal Society of Chemistry (RSC) recently announced its 2012 award winners. The awards are given by the nine divisions of the RSC and are presented throughout the year at major meetings. We congratulate the awardees featured here, as well as **Benjamin G. Davis** (University of Oxford; Bioorganic Award) and **Ian Manners** (University of Bristol; Peter Day Award), who were recently featured in this section.^[1]

Douglas W. Stephan (University of Toronto) is the winner of the Ludwig Mond Award. Stephan completed his PhD with Nicolas Payne at the University of Western Ontario in 1980. After a NATO Postdoctoral Fellowship from 1980–1982 with Richard H. Holm at Harvard University, he started his independent career at the University of Windsor. In 2008, he took up a position as Canada Research Chair and Professor at the University of Toronto. Stephan's research interests include heterobimetallics, and transition-metal and main-group compounds as catalysts, as well as "frustrated Lewis pairs" for the development of metal-free hydrogenation catalysis and small-molecule activation.^[2]

Dominic S. Wright (University of Cambridge) is honored with the Main Group Chemistry Award. Wright studied at the University of Strathclyde, and carried out his PhD at University of Cambridge (awarded in 1989) with Ron Snaith. After a research fellowship at the same institution, he joined the faculty there in 1991 and is currently professor. Wright's research involves the development of synthetic routes toward main-group and transition-metal compounds.^[3]

Jerry L. Atwood (University of Missouri-Columbia) is the winner of the Supramolecular Award. Atwood studied at Southwest Missouri State University, and received his PhD from the University of Illinois in 1968. He then joined the faculty at the University of Alabama, and in 1994, he moved to the University of Missouri-Columbia, where he is currently Curator's Professor and Chair of the Department of Chemistry. Atwood and his research group are interested in the organic solid state, including porosity and crystal-form transformations, and nanocapsules, including dynamic behavior and applications in drug delivery.^[4]

F. Geoffrey N. Cloke (University of Sussex) is the recipient of the Sir Geoffrey Wilkinson Award. Cloke studied at the University of Oxford, where he received his doctorate for work supervised by Malcolm L. H. Green. In 1979, he was awarded a research fellowship at the same institution, and in 1981, he was a postdoctoral fellow with Richard R. Schrock at the Massachusetts Institute of Technology. In 1983, he joined the University of Sussex, where he is currently Head of Chemistry. Cloke's

research group is interested in synthetic organometallic and coordination chemistry, in particular the f elements.^[5]

S. C. Edman Tsang (University of Oxford) is the winner of the Green Chemistry Award. Tsang studied at The Hong Kong Polytechnic University and obtained his PhD (supervised by Robbie Burch) from the University of Reading in 1991. After postdoctoral research periods with both Anthony K. Cheetham and Malcolm L. H. Green at the University of Oxford, as well as a research fellowship at the same institution, he joined the University of Reading, where he was made professor in 2004. He returned to the University of Oxford as Professor of Chemistry and Head of the Wolfson Catalysis Centre in 2007. Tsang's research is focused on nanomaterials and catalysis, including energy storage and production, and green chemistry.^[6]

Jean-Marie Lehn (Université de Strasbourg) has won the Sir Derek Barton Gold Medal. Lehn studied at the Université Louis Pasteur, Strasbourg, and remained there to work with Guy Ourisson for his PhD, which was awarded in 1963. After postdoctoral work with R. B. Woodward at Harvard University, he returned to Strasbourg, where he is currently professor emeritus and directs the Laboratory of Supramolecular Chemistry at the ISIS (Institut de Science et d'Ingénierie Supramoléculaires). He was also chair of Chemistry of Molecular Interactions at the Collège de France in Paris from 1979–2010. His research on molecular recognition earned him the Nobel Prize in Chemistry in 1987 with Donald J. Cram and Charles J. Pedersen. More recently, his research has focused on topics such as constitutional dynamic chemistry.^[7] Lehn has been active in many initiatives in the European chemical community, and is Founding Chairman of the Editorial Board of *Chemistry—A European Journal*, as well as a member of the International Advisory Boards of *Angewandte Chemie* and *Chemistry—An Asian Journal*. He is also Honorary Chairman of the Editorial Advisory Board of *Chemistry Open* and was Co-chairman of the Editorial Advisory Board of *ChemBioChem* from its inception in 2000 until the end of 2010.

Christopher J. Moody (University of Nottingham) is honored with the Charles Rees Award. Moody studied at King's College London and carried out his PhD under the supervision of Charles Rees at the University of Liverpool. After postdoctoral research with Albert Eschenmoser at the ETH Zurich and a position at Roche, he started his independent career at Imperial College London in 1979. He was appointed Chair of Organic Chemistry at Loughborough University in 1990, and Professor Organic Chemistry at the University of Exeter in 1996. He joined the University of Nottingham as Sir Jesse Boot Pro-



D. W. Stephan



D. S. Wright



J. L. Atwood



F. G. N. Cloke



S. C. E. Tsang

fessor of Chemistry in 2005. Moody's research is centered on the synthesis of biologically active molecules, in particular heterocyclic compounds and quinones.^[8]

Rachel K. O'Reilly (University of Warwick) has won the Hickinbottom Award. O'Reilly studied at the University of Cambridge and was awarded her PhD (supervised by Vernon C. Gibson) from Imperial College London in 2003. From 2003–2005, she was a postdoctoral research fellow with Craig J. Hawker and Karen L. Wooley at the IBM Almaden Research Center, San José and Washington University in Saint Louis, and from 2005–2008, she was a research fellow at the University of Cambridge. In 2009, she moved to the University of Warwick, where she is currently full professor and an EPSRC Career Acceleration Fellow. O'Reilly and her research group are interested in the design and synthesis of polymeric materials for applications in medicine, materials science, and nanoscience.^[9] O'Reilly is on the Editorial Board of the *Journal of Polymer Science Part A: Polymer Chemistry*.

Richard J. K. Taylor (University of York) is the recipient of the Natural Product Award. Taylor studied at the University of Sheffield and completed his PhD with D. Neville Jones in 1973. He was a postdoctoral fellow with Ian T. Harrison at the Institute of Organic Chemistry, Syntex Research, Palo Alto, from 1973–1974, and with Franz Sondheimer at University College London from 1974–1975. After lectureships at the Open University and the University of East Anglia, Norwich, he moved to the Chair of Organic Chemistry at the University of York in 1993. Taylor's research interests center on the development of new synthetic methodology, new approaches to heterocyclic diversity, and the synthesis of bioactive natural products.^[10]

Kendall N. Houk (University of California, Los Angeles) is the winner of the Robert Robinson Award, and was recognized for his work on the distortion/interaction theory of reactivity, studies of molecular dynamics of cycloadditions, and computational design of new enzymes (a Review on this topic is currently in press at *Angewandte Chemie*). More about Houk's career and other achievements can be found in his Author Profile.^[11]

Thomas J. Colacot (Johnson Matthey) is honored with the Applied Catalysis Award. Colacot studied at St. Berchman's College, Changanacherry, and was awarded his PhD in 1989 by the Indian Institute of Technology Madras for work

supervised by M. N. S. Rao. He subsequently moved to the University of Alabama at Birmingham for a teaching and postdoctoral research position with Larry K. Krannich. In 1992, he was made assistant professor at Florida A&M University, and in 1993, he moved to Southern Methodist University, Dallas, to work with Narayan S. Hosmane. In 1995, he joined Johnson Matthey, USA, and he is currently R&D Global Manager in Homogeneous Catalysis at Johnson Matthey Catalysis & Chiral Technologies. Colacot's work involves developing and commercializing ligands and catalysts for applications in metal-catalyzed synthetic organic chemistry. He is the co-author of a recent Review in *Angewandte Chemie* on the origins and history of palladium-catalyzed cross-coupling reactions.^[12]

- [1] a) *Angew. Chem.* **2011**, *123*, 9705; *Angew. Chem. Int. Ed.* **2011**, *50*, 9533; *Angew. Chem.* **2011**, *123*, 10465; *Angew. Chem. Int. Ed.* **2011**, *50*, 10283.
- [2] G. Ménard, D. W. Stephan, *Angew. Chem.* **2012**, *124*, 8397; *Angew. Chem. Int. Ed.* **2012**, *51*, 8272.
- [3] J. Bacsá, R. J. Less, H. E. Skelton, Z. Soracevic, A. Steiner, T. C. Wilson, P. T. Wood, D. S. Wright, *Angew. Chem.* **2011**, *123*, 8429; *Angew. Chem. Int. Ed.* **2011**, *50*, 8279.
- [4] H. Kumari, S. R. Kline, W. G. Wycoff, R. L. Paul, A. V. Mossine, C. A. Deakyne, J. L. Atwood, *Angew. Chem.* **2012**, *124*, 5176; *Angew. Chem. Int. Ed.* **2012**, *51*, 5086.
- [5] A. S. P. Frey, F. G. N. Cloke, M. P. Coles, L. Maron, T. Davin, *Angew. Chem.* **2011**, *123*, 7013; *Angew. Chem. Int. Ed.* **2011**, *50*, 6881.
- [6] Y. Zhao, C. Eley, J. Hu, J. S. Foord, L. Ye, H. He, S. C. E. Tsang, *Angew. Chem.* **2012**, *124*, 3912; *Angew. Chem. Int. Ed.* **2012**, *51*, 3846.
- [7] J. F. Folmer-Andersen, J.-M. Lehn, *Angew. Chem.* **2009**, *121*, 7800; *Angew. Chem. Int. Ed.* **2009**, *48*, 7664.
- [8] C. L. Lucas, B. Lygo, A. J. Blake, W. Lewis, C. J. Moody, *Chem. Eur. J.* **2011**, *17*, 1972.
- [9] M. L. McKee, P. J. Milnes, J. Bath, E. Stulz, A. J. Turberfield, R. K. O'Reilly, *Angew. Chem.* **2010**, *122*, 8120; *Angew. Chem. Int. Ed.* **2010**, *49*, 7948.
- [10] J. E. M. N. Klein, R. J. K. Taylor, *Eur. J. Org. Chem.* **2011**, 6821.
- [11] *Angew. Chem.* **2012**, *124*, 9346; *Angew. Chem. Int. Ed.* **2012**, *51*, 9212.
- [12] C. C. C. Johansson Seechurn, M. O. Kitching, T. J. Colacot, V. Snieckus, *Angew. Chem.* **2012**, *124*, 5150; *Angew. Chem. Int. Ed.* **2012**, *51*, 5062.

DOI: 10.1002/anie.201205769



J.-M. Lehn



C. J. Moody



R. K. O'Reilly



R. J. K. Taylor



T. J. Colacot