

Royal Society of Chemistry Awards 2015

The Royal Society of Chemistry (RSC) has honored several outstanding scientists in its 2015 awards scheme, and we feature those who are associated with *Angewandte Chemie* and its sister journals as authors, referees, or board members. We also congratulate all those recipients who were previously featured in this section: **Lyndon Emsley** (Bourke Award),^[1a] **John F. Bower** (Hickinbottom Award),^[1b] **Peter C. Ford** (Inorganic Mechanisms Award),^[1c] **Herman S. Overkleeft** (Jeremy Knowles Award),^[1d] **Vivian W.-W. Yam** (Ludwig Mond Award),^[1e] **David O'Hagan** (Organic Stereochemistry Award),^[1f] **Todd B. Marder** (Organometallic Chemistry Award),^[1g] **Michael J. Krische** (Pedler Award),^[1h] **Chi-Huey Wong** (Robert Robinson Award),^[1i] **A. Paul Alivisatos** (Spiers Memorial Award),^[1j] and **Richmond Sarpong** (Synthetic Organic Chemistry Award).^[1k] This is the second instalment of news on the RSC Prizes and Awards 2015.^[1l]

Paul J. Dyson (École Polytechnique Fédérale de Lausanne; EPFL) is the recipient of the Bioinorganic Chemistry Award. Dyson completed his PhD (supervised by Brian F. G. Johnson) in 1993 at the University of Edinburgh. He subsequently carried out postdoctoral work with D. Michael P. Mingos at Imperial College London, and in 1995 he obtained a Royal Society University Research Fellowship, which he held initially at Imperial College and then at the University of York. He moved to the EPFL in 2002. Dyson's research is focused on inorganic and organometallic chemistry, including organometallic drugs and also homogeneous and nanoparticle catalysts.^[2] Dyson is on the International Advisory Board of *ChemPlusChem*.

Pedro J. Pérez (Universidad de Huelva) is the winner of the Homogeneous Catalysis Award. Pérez studied at the Universidad de Sevilla, where he worked with Ernesto Carmona for his PhD (completed in 1991). From 1991–1993, he was a postdoctoral researcher with Maurice Brookhart at the University of North Carolina, Chapel Hill, and in 1993, he joined the faculty at the Universidad de Huelva, where he was made Professor of Inorganic Chemistry in 2005. Pérez is interested in the synthesis, characterization, and study of the chemical reactivity of transition-metal complexes (both coordination and organometallic) for potential use as homogeneous catalysts.^[3] Pérez is on the Editorial Board of the *European Journal of Inorganic Chemistry*.

The Marlow Award, which is presented for outstanding contributions to the areas of physical chemistry or chemical physics, has been given to Philipp Kukura (University of Oxford) and D. Flemming Hansen (University College London).

Philipp Kukura studied at the University of Oxford, and worked with Richard A. Mathies at the University of California, Berkeley, for his PhD (awarded in 2006). After postdoctoral research with Vahid Sandoghar at the ETH Zurich (2006–2010), he returned to the University of Oxford. Kukura and his group develop and apply new spectroscopic and imaging techniques to directly visualize nanoscale processes and dynamics.^[4]

D. Flemming Hansen studied at the University of Copenhagen, where he was awarded his PhD (supervised by Jens J. Led) in 2005. From 2005–2010, he was a postdoctoral researcher with Lewis E. Kay at the University of Toronto, and in 2010, he joined the faculty at University College London. Hansen's research activities are centered on the development of new NMR pulse sequences for the study of protein dynamics.^[5]

Mark I. Wallace (University of Oxford) has been honored with the Norman Heatley Award, which is presented for inter- and multidisciplinary work at the interface between chemistry and the life sciences. Wallace studied at the University of Bristol, and worked with David Klenerman at the University of Cambridge for his PhD (awarded in 2001). After postdoctoral research with Richard N. Zare at Stanford University (2001–2002) and with Justin Molloy at the National Institute for Medical Research (2002–2005), he moved to University of Oxford in 2005. Wallace and his group are interested in combining new methods in optical microscopy with new ways to generate mimics of the cell membrane.^[6]

Russell E. Morris (University of St Andrews) is the recipient of the Peter Day Award, which is given for research in the area of materials chemistry. Morris studied at the University of Oxford, where he completed his doctorate (supervised by Anthony K. Cheetham) in 1992. From 1992–1995, he was a postdoctoral researcher at the University of California, Santa Barbara, and in 1995, he joined the University of St Andrews. Morris is interested in the development of new concepts for the synthesis and application of porous solids and metal-organic frameworks.^[7]

Anthony P. Davis (University of Bristol) has been honored with the Physical Organic Chemistry Award. Davis studied at the University of Oxford, where he worked with Gordon H. Whitham for his doctorate (completed in 1979). After postdoctoral research with Jack E. Baldwin at Oxford (1979–1981) and with Albert Eschenmoser at the ETH Zurich (1981–1982), he started his independent career at Trinity College Dublin in 1982. He was made Professor of Supramolecular Chemistry at the University Bristol in 2000. Davis's research involves synthetic supramolecular chemistry.^[8]

Anna C. Balazs (University of Pittsburgh) is the winner of the S. F. Boys–A. Rahman Award, which

Awarded ...



P. J. Dyson



P. J. Pérez



P. Kukura



D. F. Hansen



M. I. Wallace



R. E. Morris



A. P. Davis



A. C. Balazs



S. J. Dalgarno



N. A. J. M. Sommerdijk



M. Barboiu

is presented for research in the area of computational chemistry. Balazs studied at Bryn Mawr College and received her PhD (supervised by George M. Whitesides) from the Massachusetts Institute of Technology (MIT) in 1981. She carried out postdoctoral research with Irving Epstein at Brandeis University (1981–1983), John Deutch at MIT (1982–1984), and Frank Karasz, William MacKnight, and Isaac Sanchez at the University of Massachusetts, Amherst (1984–1986), and she joined the faculty at the University of Pittsburgh in 1987. Basazs's research involves statistical-mechanical and computer modeling of complex chemical systems, and the development of theories for the properties of polymer blends and the behavior of polymers at surfaces and interfaces.^[9]

Scott J. Dalgarno (Heriot-Watt University) has been awarded the Sir Edward Frankland Fellowship, which is presented to encourage research in organometallic chemistry or transition-metal coordination chemistry. Dalgarno studied at the University of Leeds, where he carried out his PhD (awarded in 2005) under the supervision of Colin Raston and Michael Hardie. From 2004–2007, he was a postdoctoral researcher with Jerry L. Atwood at the University of Missouri-Columbia, and in 2007, he started his independent career at Heriot-Watt University. Dalgarno's research in supramolecular chemistry involves the use of calixarenes (amongst other molecules) as building blocks for self-assembly.^[10]

Nico A. J. M. Sommerdijk (Eindhoven University of Technology) is the recipient of the Soft Matter and Physical Chemistry Award. Sommerdijk studied at the Radboud University of Nijmegen, where he received his PhD in 1995 for work supervised by Roeland J. M. Nolte and Binne Zwanenburg. From 1995–1997, he was a research fellow in the group of John D. Wright at the University of Kent, and subsequently worked with Brigid R. Heywood at Keele University. He then returned to Nolte's group in Nijmegen, and in 1999, he joined the Eindhoven University of Technology, where he was made Professor of Bio-inspired and Multiscale Materials in 2014. His research involves the application of biological and bioinspired strategies in hybrid materials synthesis.^[11] Sommerdijk is Co-Chair of the Editorial Board of *ChemPlus-Chem*.

Mihail Barboiu (Institut Européen des Membranes, Montpellier) is the winner of the Surfaces and Interfaces Award. Barboiu received his PhD (supervised by Christian Guizard) in 1998 from the Université de Montpellier 2, and was assistant professor (Collège de France) with Jean-Marie Lehn at Université Louis Pasteur, Strasbourg. He joined the CNRS in 2001, and is currently directeur de recherche and group leader at the Institut Européen des Membranes. Barboiu's research is

focused on dynamic constitutional chemistry toward dynamic interactive systems, including functional adaptive biomimetic membranes and biosensors.^[12]

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