

## Awarded ...



A. Baldwin



J. F. Bower



A. Walsh



M. J. Gaunt



S. P. Armes

## Royal Society of Chemistry Prize Winners 2013

The UK Royal Society of Chemistry has honored several outstanding scientists in its 2013 prize scheme. We congratulate all the awardees, including **Chi-Ming Che** (The University of Hong Kong; Centenary Prize), who was featured here when he was elected a Foreign Associate of the US National Academy of Sciences,<sup>[1a]</sup> and **Michael Wasielewski** (Northwestern University; Environment Prize), who was highlighted here when he won an Arthur C. Cope Scholar Award.<sup>[1b]</sup> We feature a selection of our more frequent authors and referees here.

## Harrison–Meldola Prizes

These prizes are awarded to researchers under 37 years of age for the quality of their original research and published results in chemistry.

**Andrew J. Baldwin** (University of Oxford) studied at the University of Cambridge, where he was awarded his PhD (supervised by Christopher M. Dobson) in 2007. After postdoctoral work at the same institution (2007–2008), and subsequently with Lewis Kay at the University of Toronto (2008–2012), he joined the University of Oxford as a research fellow in 2012. Baldwin's research is focused on understanding how the motions of biomolecules are linked to both their normal function, and their malfunction in disease, in particular how molecular chaperones prevent protein aggregation associated with conditions such as Alzheimer's and Parkinson's diseases.<sup>[2]</sup>

**John F. Bower** (University of Bristol) studied at the University of Bristol and worked with Timothy Gallagher for his PhD (awarded in 2007). He was a postdoctoral researcher with Michael Krische at the University of Texas at Austin (2007–2008), and with Timothy Donohoe at the University of Oxford (2008–2010), and he was made a Royal Society Research Fellow at the University of Bristol in 2010. Bower's research interests are in the area of asymmetric catalysis, including atom-economic and step-economic processes. He has reported in *Angewandte Chemie* on Narasaka–Heck cyclization reactions.<sup>[3]</sup>

**Aron Walsh** (University of Bath) studied at Trinity College Dublin, where he was awarded his PhD in 2006 for work supervised by Graeme W. Watson. After postdoctoral research with Su-Huai Wei at the National Renewable Energy Laboratory, Colorado (2007–2009), and a Marie Curie Fellowship with C. Richard A. Catlow at University College London (2009–2011), he joined the University of Bath in 2011, and is currently reader and Royal Society University Research Fellow. He was also visiting professor at the State Key Laboratory

for Computational Physical Sciences at Fudan University, Shanghai from 2010–2012. Walsh is interested in computational materials chemistry, with particular focus on the systematic design of materials for energy applications.<sup>[4]</sup>

## Corday–Morgan Prizes

These prizes are awarded to candidates less than 40 years old for meritorious contributions to chemistry. **Martin Heeney** (Imperial College London) and **Jonathan Reid** (University of Bristol) were also recipients of these prizes.

**Matthew J. Gaunt** (University of Cambridge) studied at the University of Birmingham and carried out his PhD (awarded in 1999) with Jonathan Spencer at the University of Cambridge. From 2000–2001, he was a postdoctoral researcher with Amos B. Smith at the University of Pennsylvania, and from 2001–2003, he worked with Steven V. Ley at the University of Cambridge. In 2003, he started his independent career at Cambridge, where he is currently Professor of Chemistry. Gaunt was honored for his work on enantioselective catalysis, C–H functionalization, and copper catalysis. He has reported in *Angewandte Chemie* on the synthesis of aspidosperma alkaloids,<sup>[5a]</sup> and on the copper-catalyzed arylative Meyer–Schuster Rearrangement.<sup>[5b]</sup> Gaunt is on the Academic Advisory Board of *Advanced Synthesis & Catalysis*.

## Tilden Prizes

Up to three prizes are awarded annually to mid-career researchers for advances in chemistry. **Eleanor Campbell** (University of Edinburgh) was also honored in this section.

**Steven P. Armes** (University of Sheffield) studied at the University of Bristol, where he worked with Brian Vincent for his PhD, which was awarded in 1987. He was a postdoctoral fellow with Mahmoud Aldissi at the Los Alamos National Laboratory from 1987–1989, and started his independent career at the University of Sussex in 1989. He was made Professor of Polymer and Colloid Chemistry at the University of Sheffield in 2004. Armes and his research group are interested in topics such as water-soluble polymers, block copolymers, dispersion polymerization, and polymerization-induced self-assembly. He has reported in *Angewandte Chemie* on the encapsulation of biomacromolecules within polymersomes.<sup>[6]</sup>

**Steven P. Nolan** (University of St Andrews) studied at the University of West Florida and received his PhD from the University of Miami, where he worked under the supervision of Carl D. Hoff. After postdoctoral work with Tobin J. Marks at Northwestern University, he joined the faculty at the University of New Orleans in 1990. He moved

to the Institute of Chemical Research of Catalonia (ICIQ) in 2006, and was made Chair in Inorganic Chemistry at the University of St Andrews in 2009. Nolan's research interests are in homogeneous catalysis (including ruthenium, palladium, and gold catalysis) and organometallic chemistry. He has reported in *Angewandte Chemie* on digold acetylide species,<sup>[7a]</sup> and in *Chemistry—A European Journal* on iridium(I) hydroxides.<sup>[7b]</sup>

### de Gennes Prize

The de Gennes Prize is awarded for work in the area of materials chemistry. The winner of the 2013 prize is **Susumu Kitagawa** (Kyoto University), who was recognized for his research in the use of coordination chemistry in the development of advanced functional porous materials. Kitagawa studied at Kyoto University, and received his PhD in 1979 for work supervised by Teijiro Yonezawa. He subsequently joined the faculty at Kinki University, and moved to Tokyo Metropolitan University in 2002. He was made professor at Kyoto University in 1998, and is also Director of the Institute for Integrated Cell-Material Sciences. Kitagawa is interested in topics such as coordination chemistry and porous materials. He has reported in *Angewandte Chemie* on porous Janus head coordination polymer coatings,<sup>[8a]</sup> and in the *European Journal of Inorganic Chemistry* on 2D spin-crossover polymers.<sup>[8b]</sup> Kitagawa is on the editorial or advisory boards of *Angewandte Chemie*, *Chemistry—An Asian Journal*, and the *European Journal of Inorganic Chemistry*. He was a speaker at the *Angewandte Chemie* 125th Anniversary Symposium in March 2013.

### Longstaff Prize

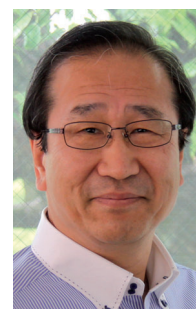
**Steven V. Ley** (University of Cambridge) is the winner of the 2013 Longstaff Prize, which is awarded to an RSC member for their contributions to advancing the science of chemistry. Ley, who was featured here when he won the Paracelsus Prize,<sup>[9a]</sup> is on the editorial or advisory boards of *Chemistry—A European Journal* and *ChemMedChem*. He has recently reported in *Angewandte Chemie* on the convergent total synthesis of callipeltosides A, B, and C,<sup>[9b]</sup> and in *Chemistry—A European Journal* on a flow synthesis of a neurotensin receptor-1 agonist.<sup>[9c]</sup>

### Perkin Prize

The Perkin Prize is awarded for achievements in any area of organic chemistry. The 2013 prize winner is **Varinder K. Aggarwal** (University of Bristol), who was featured here when he was made a Fellow of the Royal Society.<sup>[10a]</sup> He has recently reported in *Angewandte Chemie* on lithiation–borylation reactions,<sup>[10b]</sup> and on the diastereodivergent synthesis of trisubstituted alkenes.<sup>[10c]</sup> Aggarwal is on the International Advisory Board of *Chemistry—An Asian Journal*.



S. P. Nolan



S. Kitagawa



S. V. Ley



V. K. Aggarwal

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