

New Fellows Elected to The Royal Society

Each year The Royal Society in London elects 44 Fellows and 8 Foreign Members on the basis of their scientific achievements. The Royal Society, Britain's academy of science, has some 1,450 members and can look back on a tradition of over 350 years. We congratulate all newly elected Fellows and acknowledge a few in particular.

Hagan Bayley (University of Oxford, UK) studied at Oxford and in 1979 was awarded a PhD from Harvard University (USA) under J. R. Knowles. Then, at the Massachusetts Institute of Technology he did postdoctoral studies with H. G. Khorana (1979–1981). He then went on to establish his own research group at Columbia University (USA; 1981–1988), the Worcester Foundation for Biomedical Research (USA; 1988–1996), and Texas A&M University (USA; 1997–2003). He became Professor of Chemical Biology at the University of Oxford in 2003. He also holds a fellowship at Hertford College, Oxford. Bayley's research lies at the interface of chemistry and biology and involves molecular engineering of channels, sensors, and transporters. In a Communication published in *Angewandte Chemie* he reported on base-recognition sites in biological nanopores.^[1a] He was recently featured in our Author Profile section after publishing his 10th article since 2000 in *Angewandte Chemie*.^[1b]

John W. Goodby (University of York, UK) earned his PhD in organic chemistry in 1977 under G. W. Gray at the University of Hull (UK). Between 1979 and 1988 he was a research scientist at the AT&T Bell Laboratories in the USA where he led the Liquid Crystal Materials Research Group. He moved back to Hull and was promoted through the ranks to Head of the Chemistry Department before moving to the University of York in 2004 to become the Chair of Materials Chemistry. Goodby's team investigates self-organizing materials which exhibit liquid crystal behavior.^[2a] These chiral materials and chiral liquid crystals have been exploited for application in technology devices such as computer screens and TVs. His popular Review in *Angewandte Chemie* describes the properties of nanostructured liquid crystals.^[2b]

Clare P. Grey (University of Cambridge, UK) studied chemistry at the University of Oxford and earned her DPhil in 1991 under the guidance of C. M. Dobson. She then worked with W. S. Veeman at the University of Nijmegen (The Netherlands) for one year as a Royal Society Postdoctoral Fellow. After working at DuPont for two years, in

1994 she started her independent career at Stony Brook University (USA) where she is Director of The Northeastern Center for Chemical Energy Storage. In 2009, she joined the University of Cambridge and is the Head of Inorganic Chemistry. Her particular field of study is in the area of solid-state nuclear magnetic resonance to study structure and function in inorganic materials.^[3a]

Ian Manners (University of Bristol, UK) received his PhD from the University of Bristol in 1985 in transition-metal chemistry under N. G. Connelly. He did postdoctoral work on main-group chemistry with P. Paetzold at the RWTH Aachen (Germany; 1986 and 1987) and on polymeric materials with H. R. Allcock at Penn State (USA; 1988–1990). He joined the University of Toronto (Canada) in 1990 and after 15 years returned to Bristol to take up the Chair in Inorganic, Macromolecular, and Materials Chemistry. His research focuses on the development of synthetic inorganic chemistry for applications in molecular synthesis, polymer/materials science, supramolecular chemistry, and nanoscience. His latest Communication in *Angewandte Chemie* outlines novel heterobimetallic block copolymers based on ferrocene and cobaltocenium repeat units.^[4a] Earlier this year Manners was awarded an Alexander von Humboldt Research Award. The award is given to recognize foreign researchers who have made a lasting impact in their fields of specialization. Over the next few years, during visits to research institutions in Germany, he is invited to participate in collaborative work with several German colleagues. His sponsor is M. Scheer of the University of Regensburg (Germany). Manners is a member of the international advisory board of *Angewandte Chemie*.

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- [2] a) M. Draper, I. M. Saez, S. J. Cowling, P. Gai, B. Heinrich, B. Donnio, D. Guillon, J. W. Goodby, *Adv. Funct. Mater.* **2011**, *21*, 1260; b) J. W. Goodby, I. M. Saez, S. J. Cowling, V. Görtz, M. Draper, A. W. Hall, S. Sia, G. Cosquer, S.-E. Lee, E. P. Raynes, *Angew. Chem.* **2008**, *120*, 2794; *Angew. Chem. Int. Ed.* **2008**, *47*, 2787.
- [3] a) B. Key, M. Morcrette, J.-M. Tarascon, C. P. Grey, *J. Am. Chem. Soc.* **2011**, *133*, 503.
- [4] a) J. B. Gilroy, S. K. Patra, J. M. Mitchels, M. A. Winnik, I. Manners, *Angew. Chem.* **2011**, *123*, 5973; *Angew. Chem. Int. Ed.* **2011**, *50*, 5851.

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Awarded ...



H. Bayley



J. W. Goodby



C. P. Grey



I. Manners