

## Académie des Sciences Prizes

The French Académie des Sciences honored several scientists in 2012. We congratulate those featured here, as well as **Michel Armand** (Université de Picardie Jules Verne; Prix Aymé Poirson), who was recently highlighted in this section.<sup>[1]</sup>

**Lyndon Emsley** (École Normale Supérieure (ENS) de Lyon) has been awarded the “Prix Charles-Léopold Mayer”. This prize is presented for work that has encouraged fundamental research, particularly in the areas of biology, biochemistry, or biophysics, and Emsley was recognized for his work on solid-state NMR spectroscopy. Emsley studied at Imperial College London, and completed his PhD in 1991 at the Université de Lausanne. He carried out postdoctoral research at the University of California, Berkeley (1991–1993), and the Centre des Études Nucléaires, Grenoble (1993–1994), and joined the ENS de Lyon in 1994. He is currently Director of the Chemistry Department at the ENS de Lyon and Scientific Director of the Centre de RMN à Très Hauts Champs. Emsley’s research interests are in the design and use of NMR experiments to study complex systems. He has reported in *Angewandte Chemie* on dynamic nuclear polarization enhanced solid-state NMR spectroscopy,<sup>[2a]</sup> and on ultrafast magic-angle-spinning NMR spectroscopy.<sup>[2b]</sup> Emsley is a member of the Editorial Advisory Board of *ChemPhysChem*.

**Michel Ephritikhine** (Commissariat à l’énergie atomique (CEA) Saclay; French Atomic Energy Commission) received the “Prix fondé par l’état” and the “Médaille Berthelot” in recognition of his work on olefin metathesis, alkane activation, and chemistry of the actinides, especially uranium compounds. Ephritikhine studied at the Université Nancy 1, and completed his PhD (supervised by Jacques Levisalles) at the Université Pierre et Marie Curie (Paris 6; UPMC) in 1971. He remained there as a DGRST and CNRS researcher until 1975, when he joined the group of Malcolm L. H. Green at the University of Oxford. In 1976, he moved to work with Hugh Felkin at the Institut de Chimie des Substances Naturelles, and in 1984, he joined the CEA at Saclay. Ephritikhine’s research interests also include actinide and lanthanide chemistry, materials for organic electronics, quantum chemistry, and catalytic reactions for recycling carbon dioxide and other materials. His contributions to *Angewandte Chemie* include reports on a CO<sub>2</sub> adduct of a nitrogen base,<sup>[3a]</sup> and on the reductive functionalization of CO<sub>2</sub> (which was featured on the cover).<sup>[3b]</sup>

**Ludovic Jullien** (ENS Paris and UPMC) was awarded the “Prix du Dr et de Mme Henri Labbé”. This prize is presented every four years for achievements in the area of chemical biology, and Jullien was honored for his work on the development of

supramolecular devices that can be integrated in complex living systems. Jullien studied at the ENS, and obtained his PhD in 1986 for work supervised by Jean-Marie Lehn at the Collège de France. He was with an Alexander von Humboldt Professorship with Helmut Ringsdorf at the University of Mainz from 1990–1992, and joined the CNRS in 1991. He was made group leader at the ENS in 1994, and Professor of Chemistry at the UPMC in 2001. He is currently director of the Chemistry Department of the ENS. Jullien’s research interests include supramolecular, biological, and analytical chemistry, in particular organic probes and reactivity-based analysis and separations. He has reported in *Angewandte Chemie* on a photoactive “self-immolative” spacer,<sup>[4a]</sup> and in *Chemistry—A European Journal* on an energy-transfer chain.<sup>[4b]</sup>

**Christian Bruneau** (Université de Rennes 1) is the recipient of the “Prix Langevin”, and was recognized for his work in the areas of organometallic chemistry and “green catalysis”. Bruneau studied at the Institut National Supérieur de Chimie Industrielle de Rouen, and obtained his PhD from the Université de Rennes in 1979. He joined the CNRS in 1980, and returned to the Université de Rennes in 1986. He is currently head of the research unit “Organometallics and Catalysis: Molecular Chemistry and Electrochemistry”. Bruneau’s research interests involve topics such as ruthenium-catalyzed selective transformations, and carbon–carbon bond formation by C–H bond activation and functionalization. He has reported in *Angewandte Chemie* on iridium-catalyzed C–H bond functionalization,<sup>[5a]</sup> and in *ChemCatChem* on ruthenium catalysts.<sup>[5b]</sup>

**Florence Babonneau** (UPMC and Collège de France) was awarded the “Prix Paul Pascal”. Babonneau studied at the École Supérieure de Physique et de Chimie Industrielles de la Ville de Paris and carried out her PhD with Jacques Livage at the UPMC. She joined the CNRS in 1982, and was a postdoctoral researcher at the University of California, Los Angeles, from 1987–1988. She is currently director of the group “Matériaux Sol–Gel et RMN” at the UPMC. Themes of Babonneau’s research include the use of NMR techniques for the structural characterization of materials prepared from polymeric or molecular precursors. She has reported in *Chemistry—A European Journal* on the nanostructuring of hybrid silicas.<sup>[6]</sup>

## New Members of the Deutsche Akademie der Naturforscher Leopoldina

The Deutsche Akademie der Naturforscher Leopoldina (German National Academy of Sciences) elected 31 new members in 2012, including **Martin Suhm** (University of Göttingen; member of the Editorial Board of *Angewandte Chemie*) and

## Featured ...



L. Emsley



M. Ephritikhine



L. Jullien



C. Bruneau



F. Babonneau



M. Suhm



M. Driess



A. G. Beck-Sickinger



G. Rimbach

**Matthias Driess** (Technische Universität Berlin), who have previously been featured in this section.<sup>[7]</sup> We highlight two of the new members here.

**Annette G. Beck-Sickinger** (University of Leipzig) studied at the University of Tübingen, where she received her PhD (supervised by Günther Jung) in 1989. After postdoctoral work with Ernesto Carafoli at the ETH Zurich (1990–1991) and completing her habilitation at the University of Tübingen (1995), she joined the faculty of the ETH Zurich in 1997. She was made Professor of Biochemistry and Bioorganic Chemistry at the University of Leipzig in 1999. Beck-Sickinger and her research group are interested in topics such as ligand–receptor interactions, signal transduction, and protein expression and modification. She has written a Highlight in *Angewandte Chemie* on G-protein-coupled receptors,<sup>[8a]</sup> and has reported in *ChemBioChem* on the interactions between regulatory proteins and glycosaminoglycans.<sup>[8b]</sup>

**Gerald Rimbach** (University of Kiel) studied at the University of Giessen, where he received his PhD in 1993 for work supervised by Josef Pallauf and completed his habilitation in 1998. From 1998–2000, he was a research associate with Lester Packer at the University of California, Berkeley, and from 2000–2003, he was Lecturer in Molecular Nutrition at the University of Reading. He has been professor and Director of the Institute of Human Nutrition and Food Science at the University of Kiel in 2003. Rimbach's research interests are in the area of nutrigenomics, functional foods, plant bioactives, and healthy ageing. He has reported in *ChemBioChem* on a vitamin E analogue,<sup>[9a]</sup> and has published a Review in *Angewandte Chemie* on the properties of curcumin.<sup>[9b]</sup>

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