

IUPAC 2013 Distinguished Women in Chemistry or Chemical Engineering

Awarded ...



I. P. Beetskaya



E. Hey-Hawkins



E. Reichmanis



C. Rovira

The International Union of Pure and Applied Chemistry (IUPAC) has named 11 women from around the world as 2013 Distinguished Women in Chemistry or Chemical Engineering. The awardees were honored for their achievements in research, teaching or education, leadership, and community service. We congratulate all the awardees, including **Annette Doherty** (GlaxoSmithKline), **Mary Garson** (University of Queensland), **Kazue Kurihara** (Tohoku University), **Liliana Mammino** (University of Venda), and **Angela Wilson** (University of North Texas), and highlight our more regular authors and referees here.

Irina P. Beetskaya (Lomonosov Moscow State University) studied at Lomonosov Moscow State University, where she received her DSci degree in 1963 and was made full professor in 1971. She was elected a full member (academician) of the Russian Academy of Sciences in 1992. Beetskaya's research interests are in organometallic chemistry and its use in organic synthesis. She has reported in *Advanced Synthesis & Catalysis* on palladium-catalyzed asymmetric hydrogenation reactions,^[1a] and in the *European Journal of Inorganic Chemistry* on the synthesis of substituted porphyrins.^[1b]

Evamarie Hey-Hawkins (University of Leipzig) studied at the University of Marburg, where she received her PhD (supervised by Kurt Dehnicke) in 1983. From 1983–1988, she carried out her habilitation at the same institution, as well as research stays with Michael F. Lappert (University of Sussex; 1984–1985); Colin L. Raston (University of Western Australia; 1985–1986), and Bruce Wild (Australian National University; 1986–1987). From 1988–1990, she was a research associate with Hans Georg von Schnering at the Max Planck Institute for Solid State Research, Stuttgart, and from 1990–1993, she was a guest researcher at the University of Karlsruhe as well as temporary lecturer at the Universities of Hohenheim and Heidelberg. She was made Chair of Organometallic Chemistry and Photochemistry at the University of Leipzig in 1993. Hey-Hawkins and her research group are interested in phosphorus-functionalized and phosphorus-rich compounds, carbaborane chemistry, and mono- and multinuclear transition-metal complexes for applications such as homogeneous catalysis, and biological and medicinal chemistry. She has reported in *Chemistry—A European Journal* on the asymmetric phospho-Diels–Alder reaction,^[2a] and in *ChemMedChem* on the synthesis and inhibition activity of carbaboranyl-functionalized indoles.^[2b] Hey-Hawkins is on the editorial or advisory boards of *ChemPlusChem* and the *Zeitschrift für Anorganische und Allgemeine Chemie*.

Elsa Reichmanis (Georgia Institute of Technology) studied at Syracuse University, where she received her PhD in 1975 for work supervised by Apostolos G. Anastassiou. After postdoctoral work at the same institution, she joined AT&T Bell Laboratories, New Jersey, where, among other positions, she headed the Polymer and Organic Materials, and Materials Research Departments. She was made Professor of Chemical and Biomolecular Engineering at the Georgia Institute of Technology in 2008. Reichmanis is interested in areas such as the chemistry and the properties of materials, in particular polymeric and nanostructured materials, with regard to photonic and electronic applications. She has reported in *Angewandte Chemie* on low-threshold photon upconversion capsules.^[3] Reichmanis is on the Editorial Board of the *Journal of Polymer Science, Part A: Polymer Chemistry*.

Concepció Rovira (Institute of Materials Science of Barcelona (ICMAB) of the Consejo Superior de Investigaciones Científicas (CSIC)) studied at the University of Barcelona, and received her PhD (supervised by Joan Riera) at the Centre d'Investigació i Desenvolupament (CID-CSIC). After postdoctoral research with Dwaine O. Cowan at Johns Hopkins University, she joined the CSIC, and in 1991, she became a member of the ICMAB, where she was made professor in 2004. Rovira's research interests are in molecular nanoscience and functional materials, including molecular electronics, crystal engineering, supramolecular self-assembly, electron-transfer processes, and molecular magnetism. She has reported in *Angewandte Chemie* on induced self-assembly of a tetrathiafulvalene-based dyad by intramolecular electron transfer,^[4a] and in *ChemPhysChem* on the formation of endometallofullerene-based salts by electron transfer.^[4b]

María Vallet-Regí (Universidad Complutense de Madrid) was featured here when she won the Premio a la Investigación y Medalla de la RSEQ.^[5a] She has recently reported in *Chemistry—A European Journal* on bioactive hybrid materials.^[5b]

Yi Xie (University of Science and Technology of China; USTC) studied at Xiamen University, and worked with Yitai Qian for her PhD (awarded in 1996). She subsequently joined the faculty of the USTC, was a postdoctoral researcher with Benjamin Chu at the State University of New York at Stony Brook (1997–1998), and is currently principal investigator at the Hefei National Laboratory for Physical Sciences at the Microscale, and full professor in the Department of Chemistry at the USTC. Xie's research is in the areas of solid-state chemistry, nanotechnology, materials chemistry, and energy science. Her most recent contributions to *Angewandte Chemie* include reports on macro-

porous architectures for solar water splitting,^[6a] and on the formation of tubular nanostructures.^[6b]

New Members of the Royal Swedish Academy of Sciences

The Royal Swedish Academy of Sciences recently elected Olof Ramström (Royal Institute of Technology (KTH)), Mikael Akke (Lund University), and Sir John Meurig Thomas (University of Cambridge) members of the Academy.

Olof Ramström studied at Lund University, where he received his PhD (supervised by Klaus Mosbach) in 1996. He remained at Lund as a senior researcher, and was subsequently a postdoctoral research fellow with Jean-Marie Lehn (1998–2000) and maître de conférences (2000–2001) at the Université Louis Pasteur, Strasbourg. He joined the KTH in 2001. Ramström's research is centered on molecular recognition, in particular receptor–ligand interactions and complex chemical networks, and includes topics such as dynamic chemistry, synthesis and catalysis, nanomaterials, and sensors and interfaces. He has reported in *Angewandte Chemie* on the racemase-type activity of *B. cepacia* lipase,^[7a] and in *Chemistry—A European Journal* on lipase-catalyzed γ -lactonization.^[7b]

Sir John Meurig Thomas (Foreign Member) was featured here when he was awarded the Kapitza Gold Medal and the Jayne Prize Lectureship,^[8a] and has also been recently highlighted in an Author Profile.^[8b] He has recently published an Editorial in *Angewandte Chemie* on the threats to intellectual freedom in academic scientific research,^[8c] and the second edition of his book on heterogeneous catalysis^[8d] is in the course of completion. Thomas has also recently been awarded honorary doctorates by the Universities of South Carolina and St Andrews.

- [1] a) N. S. Goulioukina, I. A. Shergold, G. N. Bondarenko, M. M. Ilyin, V. A. Davankov, I. P. Beletskaya, *Adv. Synth. Catal.* **2012**, *354*, 2727; b) E. A. Mikhailitsyna, V. S. Tyurin, S. E. Nefedov, S. A. Syrbu, A. S. Semeikin, O. I. Koifman, I. P. Beletskaya, *Chem. Eur. J.* **2012**, *18*, 5979.
- [2] a) T. Möller, M. B. Sárosi, E. Hey-Hawkins, *Chem. Eur. J.* **2012**, *18*, 16604; b) M. Laube, W. Neumann, M. Scholz, P. Lönnecke, B. Crews, L. J. Marnett, J. Pietzsch, T. Kniess, E. Hey-Hawkins, *ChemMedChem* **2013**, *8*, 329.
- [3] J.-H. Kang, E. Reichmanis, *Angew. Chem.* **2012**, *124*, 12011; *Angew. Chem. Int. Ed.* **2012**, *51*, 11841.
- [4] a) J. Guasch, L. Grisanti, V. Lloveras, J. Vidal-Gancedo, M. Souto, D. C. Morales, M. Vilaseca, C. Sissa, A. Painelli, I. Ratera, C. Rovira, J. Veciana, *Angew. Chem.* **2012**, *124*, 11186; *Angew. Chem. Int. Ed.* **2012**, *51*, 11024; b) I. E. Kareev, E. Laukhina, V. P. Bubnov, V. M. Martynenko, V. Lloveras, J. Vidal-Gancedo, M. Mas-Torrent, J. Veciana, C. Rovira, *ChemPhysChem* **2013**, *14*, 1670.
- [5] a) *Angew. Chem.* **2011**, *123*, 11771; *Angew. Chem. Int. Ed.* **2011**, *50*, 11567; b) B. González, M. Colilla, M. Vallet-Regí, *Chem. Eur. J.* **2013**, *19*, 4883.
- [6] a) M. Zhou, H. B. Wu, J. Bao, L. Liang, X. W. Lou, Y. Xie, *Angew. Chem.* **2013**, *125*, 8741; *Angew. Chem. Int. Ed.* **2013**, *52*, 8579; b) G. Zhang, B. Y. Xia, C. Xiao, L. Yu, X. Wang, Y. Xie, X. W. Lou, *Angew. Chem.* **2013**, *125*, 8805; *Angew. Chem. Int. Ed.* **2013**, *52*, 8643.
- [7] a) P. Vongvilai, M. Linder, M. Sakulsombat, M. Svedendahl Humble, P. Berglund, T. Brinck, O. Ramström, *Angew. Chem.* **2011**, *123*, 6722; *Angew. Chem. Int. Ed.* **2011**, *51*, 6592; b) M. Sakulsombat, Y. Zhang, O. Ramström, *Chem. Eur. J.* **2012**, *18*, 6129.
- [8] a) *Angew. Chem.* **2012**, *124*, 1129; *Angew. Chem. Int. Ed.* **2012**, *51*, 1103; b) *Angew. Chem.* **2013**, DOI: 10.1002/ange.201303486; *Angew. Chem. Int. Ed.* **2013**, DOI: 10.1002/anie.201303486; c) J. M. Thomas, *Angew. Chem.* **2013**, *125*, 5764; *Angew. Chem. Int. Ed.* **2013**, *52*, 5654; d) J. M. Thomas, W. J. Thomas, *Principles and Practice of Heterogeneous Catalysis*, Wiley-VCH, Weinheim, **1997**.

DOI: 10.1002/anie.201305827



M. Vallet-Regí



Y. Xie



O. Ramström



J. M. Thomas