

H. G. Smith Memorial Medal for Mark G. Humphrey

The Royal Australian Chemical Institute (RACI) has awarded its H.G. Smith Memorial Medal for 2010 to Mark G. Humphrey (Research School of Chemistry, Australian National University (ANU)). This medal is awarded to an RACI member who has contributed most to the development of a branch of chemical science through their publications over the preceding ten years. Humphrey is a world leader in the development of organometallic compounds for nonlinear optics.

Humphrey received his PhD from the University of Adelaide in 1987 under M. I. Bruce. He has held positions at the University of Würzburg with G. Erker (1987–1989 as an Alexander von Humboldt Fellow), the University of Illinois at Urbana-Champaign with J. R. Shapley (1989–1990), and the University of New England (1990–1994), before being appointed to the ANU in 1994. He was promoted to professor at the ANU in 2003. The major focus of his research is understanding the nonlinear optical properties (NLO) of novel inorganic complexes, with a particular focus on organometallic dendrimers^[1a] and clusters,^[1b] and reversibly modulating these properties and thereby developing molecular NLO switches.^[1c] Humphrey has been awarded fellowships by the Royal Society of Chemistry (2002) and the Japan Society for the Promotion of Science (2009).

Merck–Banyu Lectureship Award for Shigeki Matsunaga

Shigeki Matsunaga (University of Tokyo) has been awarded the Merck–Banyu Lectureship Award for 2010. Merck (USA) and the Banyu Life Science Foundation (Japan) honor this outstanding young Japanese scientist for his achievements in the field of synthetic organic chemistry. Matsunaga is recognized for developing various types of multimetallic complexes for bifunctional asymmetric catalysis.

Under the supervision of M. Shibasaki, Matsunaga received his Ph.D. from the University of Tokyo in 2003. He started his academic career in 2001 as an assistant professor at the same university and was promoted to lecturer in 2008 and now recently to his current position as associate professor in April, 2011. His research interests include the development of new catalytic reactions using cooperative functions of multimetallic complexes, mechanistic studies, and the synthesis of biologically active compounds.^[2] Other honors include the Mitsui Chemicals Catalysis Science Award of

Encouragement (2009) and the Inoue Research Science Award (2010).

Mukaiyama Award for F. Dean Toste

The Mukaiyama Award has been conferred since 2005 by the Society for Synthetic Organic Chemistry in Japan (SSOCJ) in honor of Teruaki Mukaiyama for his outstanding contribution to organic chemistry. In 2011, F. Dean Toste (University of California, Berkeley) receives this award for the discovery and development of gold-based catalysts and catalytic reactions and their application in organic synthesis and asymmetric catalysis.^[3] He shares the Mukaiyama Award with Fumitoshi Kakiuchi (Keio University, Japan).

Toste studied chemistry at the University of Toronto and received his PhD in 2000 at Stanford University under B. M. Trost. He then did postdoctoral studies at the California Institute of Technology with R. H. Grubbs (2001–2002) before being appointed at UC Berkeley in 2002, where he is currently the Chevron Professor of Chemistry. He is also a faculty scientist at the Lawrence Berkeley National Labs (since 2007). Toste is on the Editorial/Advisory board of *ChemCatChem* and *Advanced Synthesis and Catalysis*. Other honors include the Tetrahedron Young Investigator Award (2011) and the Royal Society of Chemistry Merck Award (2010).

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Awarded ...



M. G. Humphrey



S. Matsunaga



F. D. Toste