



ACS elects the recipient for the Award for Creative Research and Applications of Iodine Chemistry sponsored by SQM S.A.

In August 2004, ACS has announced the winner for the first Award for Creative Research and Applications of Iodine Chemistry to be granted at the ACS Awards Ceremony to be held in conjunction with the 229th ACS National Meeting on March 15th, 2005, in San Diego, California.

The award, established by SQM and administrated by ACS, consists of \$10,000 and a certificate. It is granted biennially in odd-numbered years, and it has the purpose to support, promote, and motivate global research of iodine chemistry and develop its use and knowledge through applications.

The recipient of the 2005 award, Professor Robert Moriarty, PhD in Organic Chemistry and Professor Emeritus at University of Illinois, Chicago, is a leader in understanding hypervalent iodine chemistry and applying it cleverly to problems in organic synthesis. His 1986 Accounts article "Hypervalent iodine in organic synthesis" is a classic and necessary reading for anyone engaged in synthesis. His innovations have been shown to be applicable to a wide range of synthesis problems-- from heterocycle preparations, to cyclopropanation, to generation of extraordinary reactive intermediates. He has shown that hypervalent iodine reagents provide for diverse (and otherwise sometimes hard to achieve) alpha-functionalizations of carbonyl compound (e.g. sulfonyloxylation, methoxylation), intramolecular cyclopropanations, cross-couplings with olefins and organotin compounds, preparation of unsymmetrically substituted azoxy compounds, iododecarboxylation, etc. The latter has proved particularly important to us in developing cubane chemistry, not only in the synthesis of iodocubanes, but in the use thereof for generation of cubyl cation.

Professor Moriarty has published at least 90 papers on iodine chemistry. Their utility and quality make him a leader in the field, and he certainly earns the distinction as recipient of the Award for Creative Research and Applications of Iodine Chemistry.