

## Chemical Institute of Canada and Canadian Society for Chemistry Awards

The Chemical Institute of Canada (CIC) and the Canadian Society for Chemistry (CSC) honored several scientists in their 2012 award programs. We congratulate all the recipients and feature our more prolific authors here.

**Raymond Andersen** (University of British Columbia) received the CIC Medal, which is awarded for outstanding contributions to the fields of chemistry or chemical engineering in Canada. Andersen studied at the University of Alberta and the University of California, Berkeley, and obtained his PhD from the University of California, San Diego, in 1975. After postdoctoral research at the Massachusetts Institute of Technology, he joined the University of British Columbia in 1977, and is currently Professor of Chemistry, and Earth, Ocean, and Atmospheric Sciences. Andersen's research interests are based on the chemistry of biologically active marine natural products. He has reported in the *European Journal of Organic Chemistry* on the synthesis of analogues of the sponge meroterpenoid pelerol.<sup>[1]</sup>

**Frank van Veggel** (University of Victoria) is the winner of the inaugural Award for Research Excellence in Materials Chemistry, which is given by the Materials Chemistry Division of the CSC. Van Veggel obtained his PhD from the University of Twente in 1990 under the supervision of David N. Reinhoudt. He then joined the photonics research group of the Dutch chemical company Akzo (now Akzo Nobel). In 1992, he returned to the University of Twente as assistant professor and subsequently associate professor, and in 2002, he joined the University of Victoria, where he is professor and Canada Research Chair. Van Veggel's research is focused on the area of nanoparticles, ranging from Ln<sup>3+</sup>-doped quantum dots to superparamagnetic nanoparticles. He has reported in *ChemPhysChem* on doped nanoparticles embedded in photonic crystals.<sup>[2]</sup>

**Todd Lowary** (University of Alberta) is the recipient of the Bernard Belleau Award, which is presented for work in the field of medicinal chemistry. Lowary studied at the University of Montana, and carried out his PhD (awarded in 1993) with Ole Hindsgaul at the University of Alberta. He carried out postdoctoral work with David R. Bundle at the University of Alberta (1993–1995) and with Klaus Bock at the Carlsberg Laboratory, Copenhagen (1995–1996), and joined the faculty at The Ohio State University in 1996. He moved to the University of Alberta in 2003. Lowary's research interests are in carbohydrate chemistry and biochemistry, with a particular emphasis in microbial glycans including those present in mycobacteria and campylobacters. He

has reported in *Chemistry—A European Journal* on carbohydrate–lipid interactions.<sup>[3]</sup> Lowary is on the Editorial Board of *Chemistry Open*.

**Louis Barriault** (University of Ottawa) is the winner of the Boehringer Ingelheim (Canada) Research Excellence Award. This honor is awarded for research in medically relevant organic or biophysical chemistry. Barriault studied at the Université de Sherbrooke and received his PhD (supervised by Pierre Deslongchamps) in 1997. After postdoctoral work with Leo A. Paquette at The Ohio State University, he started his independent career at the University of Ottawa in 1999. Barriault's research interests include the development of novel transformations using domino and gold-catalyzed reactions, and their applications to the total synthesis of natural products. He has reported a formal synthesis of vinigrol in *Angewandte Chemie*.<sup>[4]</sup>

**Janusz Pawliszyn** (University of Waterloo) was honored with the E. W. R. Steacie Award, which is given for distinguished contributions to chemistry. Pawliszyn studied at the University of Gdansk (Poland), completed his PhD in 1982 at Southern Illinois University under the supervision of John Phillips, and was a postdoctoral fellow with Michael Dignam at the University of Toronto. He is currently Canada Research Chair and Natural Sciences and Engineering Research Council of Canada Industrial Research Chair in New Analytical Methods and Technologies at the University of Waterloo. Pawliszyn's research is focused on the design of highly automated and integrated instrumentation for the isolation of analytes from complex matrices. He has published a Communication<sup>[5a]</sup> and a Minireview<sup>[5b]</sup> in *Angewandte Chemie* on in vivo solid-phase microextraction.

The Ichikizaki Fund for Young Chemists provides financial support for young chemists to attend international meetings. The 2012 winners are **Patrick T. Gunning**, who has reported in *Angewandte Chemie* on artificially induced protein–membrane anchorage,<sup>[6]</sup> **James J. Mousseau**, and **Mukund Jha**. Gunning (University of Toronto) studied at the University of Glasgow, where he has awarded his PhD in 2005 for work supervised by Andrew C. Benniston and Robert D. Peacock. He then pursued postdoctoral studies with Andrew D. Hamilton (Yale University) before starting his independent career at the University of Toronto in 2007. Gunning's research involves the development of small-molecule inhibitors, domain mimetics, and protein–membrane anchorage drug modalities.

**Stephen Loeb** (University of Windsor) was honored with the Rio Tinto Alcan Award, which is presented for contributions to the field of inorganic chemistry or electrochemistry. Loeb studied at the University of Western Ontario and

## Awarded ...



R. Andersen



F. van Veggel



T. Lowary



L. Barriault



J. Pawliszyn



P. T. Gunning



S. Loeb



B. M. Pinto



M. Stradiotto



Y. Li

completed his PhD (in 1982) under the supervision of Christopher Willis. He then conducted postdoctoral research with Martin Cowie at the University of Alberta, and started his academic career in 1983 at the University of Winnipeg. He moved to the University of Windsor in 1990 and is currently professor and Canada Research Chair. His current research interests are in the area of supramolecular inorganic chemistry, in particular metallareceptors for anion recognition and the inclusion of mechanically interlocked molecules into solid-state materials. He has reported in *Angewandte Chemie* on molecular shuttling in a [2]rotaxane.<sup>[7]</sup>

**B. Mario Pinto** (Simon Fraser University) received the R. U. Lemieux Award for his contribution to the field of organic chemistry. Pinto received his PhD from Queen's University under the direction of Walter A. Szarek. He undertook postdoctoral studies with Sir Derek Barton at the Institut de Chimie des Substances Naturelles (ICSN)-CNRS, and subsequently as a research associate with David Bundle at the National Research Council, Ottawa. He subsequently began his independent career at Simon Fraser University, where he is currently professor, Chair of Chemistry, and Vice-President, Research. Pinto's research interests are in studying carbohydrate mimicry for drug and vaccine design, and the investigation of conformational effects. He has reported in *ChemBioChem* on adenosine-to-inosine editing substrates.<sup>[8]</sup>

**Mark Stradiotto** (Dalhousie University) was awarded the Strem Chemicals Award for Pure or Applied Inorganic Chemistry. This honor is presented to a researcher who is less than ten years into their first position as an independent researcher. Stradiotto studied at McMaster University, where he completed his PhD (supervised by Michael A. Brook and Michael J. McGlinchey) in 1999. After an NSERC Postdoctoral Fellowship with T. Don Tilley at the University of California, Berkeley, he joined the faculty at Dalhousie University in 2001 and is currently Killam Professor of Chemistry. Stradiotto's research group are interested in the development of ancillary ligands and transition-metal complexes for catalytic substrate transformations. He has reported in *Angewandte Chemie* on palladium-catalyzed cross-coupling reactions.<sup>[9]</sup>

**Yingfu Li** (McMaster University) was honored with the W. A. E. McBryde Medal. This award is presented to young scientists in Canada who have

made a significant contribution to pure or applied analytical chemistry. Li studied at Anhui University and Beijing Agriculture University, and received his PhD from Simon Fraser University in 1997 for work supervised by Dipankar Sen. After postdoctoral research with Ronald Breaker at Yale University, he joined the faculty at McMaster University in 1999. Themes of Li's research include examining the basic functions of nucleic acids, as well as their application in biomolecule detection, drug discovery, and nanotechnology. He has reported in *Angewandte Chemie* on fluorogenic DNzyme probes.<sup>[10]</sup>

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- [2] E. Bovero, K. Yano, T. Nakamura, Y. Yamada, F. C. J. M. van Veggel, *ChemPhysChem* **2010**, *11*, 2550.
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In this section, we report on various awards for chemists who are closely connected with *Angewandte Chemie* and its sister journals as authors and referees.