

2014 CSCC Award for Research Excellence
Sponsored by Ortho-Clinical Diagnostics

Matthew McQueen



The CSCC is pleased to recognize the outstanding contribution through research of Dr. Matthew McQueen by honoring him through the 2014 CSCC Research Excellence Award. He has made many contributions to Clinical Chemistry but this Award especially recognizes his research achievements in the areas of cardiovascular disease, lipids and lipoproteins, and for his work in laboratory management, ethics and evidence-based medicine. This award represents the second major CSCC award received by Dr. McQueen, with the previous being for Outstanding Contributions awarded in 1985.

Dr. McQueen came to Canada in 1974 with Ph.D and medical degrees (M.B., Ch.B.) from University of Glasgow, Scotland, and began work at Dalhousie University in Halifax, Nova Scotia. Later, in 1976, he began work at McMaster University, Hamilton, to continue his career in Clinical Biochemistry. In 1981 he became a Fellow of the Royal College of Physicians of Canada and 3 years later a founding Fellow of the Canadian Academy of Clinical Biochemistry (1984). During his career he served in many leadership roles, locally with McMaster University and Hamilton Hospitals, but also nationally and internationally. He has also held many academic posts in medical, residency, clinical chemistry, postdoctoral, and laboratory technology training programs in Hamilton. From 1976 to 1985, he served on CSCC council as Councillor, Treasurer, President-Elect and then President. He also served on CACB board from 1986 to 1990, as board member and then Chair. Dr. McQueen is very active in IFCC, but served as Treasurer, Vice-President, President, and then Past-President over the period from 1988 to 2002. In recognition of his many contributions to different areas of the profession, Dr. McQueen have been recipient of numerous awards and honors. The following is a just a sample: Outstanding Contribution to Clinical Chemistry (1985) plus others; CACB award for Outstanding Contribution to the Profession of Clinical Biochemistry(1998); the Ontario Society of Clinical Chemists Award for Outstanding Contributions to Clinical Chemistry (1998); AACC award for Outstanding Contributions to Clinical Chemistry (2003); Association of Clinical Biochemists Gemmell Morgan Award Lecture (2007); The President's Distinguished Service Award, Hamilton Health Sciences (2008); and certainly not the least of these is the IFCC 2014 Distinguished Clinical Chemist Award, plus many others. This latest and very prestigious IFCC award will be presented at the 22nd IFCC International Congress in Istanbul in June, 2014.

Dr. McQueen is a Professor in a Professor in the Department of Pathology and Molecular Medicine at McMaster (since 1987), is Affiliate Staff with Dept. of Medicine at Hamilton Civic Hospital, is in active practice in the McMaster Lipid Research Clinic (since 1976), and is Director of the Lipid Research Clinic (since 1993), and Director of the Clinical Trials Laboratory (Since 1987), both at the Hamilton General Hospital. His earliest research work was published during his years in Glasgow and on studies focusing on measurement of enzymes like cholinesterase, glycerate dehydrogenase, transaminases, and LDH and their various diagnostic applications. On moving to Hamilton his research and clinical focus eventually shifted to lipid disorders and cardiovascular disease prevention and risk reduction, including the role of lipids, lipoproteins, and biomarkers. Over time his research laboratory expanded to support Population Health Research Initiatives (David Braley Cardiac Vascular and Stroke Research Institute) epidemiological and

clinical studies. This involved development and maintenance of a large biobank of well-characterized human samples to support research.

Other evidences of his reputation and productivity in research are found in his academic record which lists more than 50 research grants, as principal or co-investigator, amounting to in excess of \$140,000,000 collectively since 1997. Furthermore he is co-applicant on a patent involving Genetic polymorphisms associated with Chronic Kidney Disease and methods of detection. His publication record includes over 200 articles in peer-reviewed journals covering his areas of interest on enzymes, lipids, cardiovascular disease, but also laboratory management, ethics, and evidence-based laboratory medicine. He has produced 16 book chapters so far and boasts over 400 invited lectures, posters, and presentations.

This brief overview does not do justice to the remarkable accomplishments and the many contributions of Dr. Matthew McQueen to Research in Clinical Chemistry and to the Clinical Chemistry Professions. Without doubt he stands as one of the most accomplished researchers within CSCC ranks and represents an obvious choice for recognition by the CSCC 2014 Award for Research Excellence.