

2020 CSCC Award for Educational Excellence
Sponsored by Beckman Coulter Canada

Fred Apple, PhD, DABCC, FACSM



The CSCC is pleased to announce Dr Fred Apple as the 2020 recipient of the CSCC Award for Excellence in Education, sponsored by Beckman Coulter. This award recognises excellence in all fields of education, including undergraduate, graduate, medical students, medical residents, and post-doctoral education. It also includes education of professionals working in the field of clinical chemistry, other related medical specialties, the diagnostics industry and regulatory bodies.

Dr Apple received his PhD from the University of Minnesota in 1979 and a fellowship in Laboratory Medicine from Washington University in 1982. He served as Medical Director of Clinical Laboratories, Clinical Chemistry, Forensic & Clinical Toxicology and Point of Care Testing from 1982 to 2018, and currently serves as Co-Medical Director of the Forensic & Clinical Toxicology Laboratory at the Hennepin Health System/Hennepin County Medical Center, Principal

Investigator of the CLIA certified Cardiac Biomarkers Trials Laboratory (CBTL) at Hennepin Healthcare Research Institute (HHRI), and a Professor of Laboratory Medicine at the University of Minnesota School of Medicine.

Over the course of his career, he has supervised more than thirty undergraduate, graduate, and post-doctoral students and over 100 Laboratory Medicine residents and fellows. He served as associate director of the Department of Pathology residency program from 1993 to 2000, as program director at the University of Minnesota Clinical Chemistry fellowship program from 1996 to 2012, and currently as the co-director of the Clinical Chemistry fellowship program at Hennepin County Medical Center since 2013. He served on the COMACC board of directors from 2009 to 2011, Board of Directors of the American Board of Clinical Chemistry from 1992-1996, Associate Editor of Clinical Chemistry since 2001 and was President of the Academy of Clinical Laboratory Physicians and Scientists, 2003-2004.

Dr. Apple is sought after as a speaker. He has been invited to present lectures in Denmark, Finland, Sweden, Hong Kong, Hungary, Latvia, China, Mexico Scotland, and Spain. In 1997, Dr. Apple was the CSCC Travelling Lecturer. He was recognized with the AACC outstanding speaker award fifteen times.

Dr. Apple has been a leader in the development of strategies for the diagnosis of myocardial infarction, from the early years of CK-MB up to and including high sensitivity cardiac troponin. During his career, has published more than 470 papers and has been cited more than 30,000 times. From 2011 to the present, Fred has been a member of the IFCC Committee on the Clinical Applications of Cardiac Biomarkers. Since 2017 he has served as chair. One of the goals of the committee is to provide evidence-based educational materials to users of cardiac markers; including laboratorians, clinicians, researchers, in-vitro diagnostic manufacturers, and regulatory agencies, to deliver this information conjointly through the in vitro diagnostic industry to the clinical laboratory, emergency department and cardiologists.

Members of the committee have presented updates and recommendations at major conferences and provided updates on the analytical and clinical characteristics of cardiac biomarker assays.

Most importantly, Dr. Apple has been a member of the CSCC since 2000. For his many educational contributions to many areas of clinical chemistry, we are pleased to present the 2020 award for Excellence in Education to Dr. Apple.