

CSCC Award for Research Excellence

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Dr. Andrew Lyon

Dr. Andrew Lyon is the recipient of the 2024 CSCC Award for Research Excellence. This award is presented to an individual or group as a mark of recognition of their contribution to research directly or indirectly related to clinical chemistry in Canada.

Dr. Lyon has provided significant research contributions to the field of clinical biochemistry during his career of over 30 years. This is particularly remarkable as they have occurred alongside his notable teaching endeavors and numerous demanding clinical service positions. Dr. Lyon's publication history demonstrates a long career of research in a wide number of areas, from general clinical biochemistry and maternal/child health to data mining/analysis. This demonstrates his comprehensive knowledge, understanding, and experience in many areas of laboratory medicine. He has published 101 peer reviewed articles, 19 non peer reviewed articles, 7 book chapters, and 128 abstracts/proceedings/letters. The wide array of areas of publication demonstrates his breadth of interests and includes: electrolytes, glucose, bilirubin,

occult blood, newborn screening, urinalysis, HbA1c, bone markers, ethanol, toxicology, prenatal screening, pregnancy, POCT, hematology, allergy, pediatric chemistry, diabetes, renal disease, thyroid, troponin, amyloidosis, genetics, biomonitoring, test utilization, reference intervals, metals, telehealth, pandemic, veterinary medicine, and more.

Although Dr. Lyon has his own research passions, he has most often participated collaboratively on teams to accomplish the work. The teams often include other clinical biochemists, clinicians, and fellows/students. This has enabled Dr. Lyon to be a mentor to other researchers, and to foster relationships beyond the clinical laboratory, supporting and positively enhancing the clinical biochemistry and laboratory medicine profile.

In addition to leading and participating on research projects, Dr. Lyon has also served on local and regional research committees, helping to identify worthy research activities, and promoting high standards of research. This lends to his personal and collegial manner, as he demonstrates that he is willing to support others that have laboratory questions or would like to further investigate a problem. He is keen to offer his knowledgeable and helpful advice, which further opens collaborative research projects and publications. This has also led to opportunities for supporting journal and grant reviews, additional knowledge sharing at local, national and international conferences and meetings, alongside being able to collaboratively obtain research funding.