



2022 CSCC Award for Education Excellence

Sponsored by Beckman Coulter

Dr. Vathany Kulasingam



The Canadian Society of Clinical Chemists is pleased to present the CSCC Award for Education Excellence, sponsored by Beckman Coulter, to Dr. Vathany Kulasingam.

Dr. Vathany Kulasingam is currently the Division Head of Clinical Biochemistry at University Health Network and an Associate Professor and Member of the Graduate Faculty of the Department of Laboratory Medicine and Pathobiology, University of Toronto.

Dr. Kulasingam is the Co-Director of the University of Toronto's Post-doctoral training program in Clinical Chemistry. Since starting at University Health Network in 2010, Dr. Kulasingam has trained over 27 Clinical Chemistry post-doctoral fellows. She actively leads tutorial sessions on mass spectrometry, tumor markers and point-of-care testing and participates in the program's journal club discussions. She also leads weekly 3-hr teaching sessions with the first year fellows for 6 months of the year broadly covering areas such as autoimmune diagnostics, proficiency testing and quality control. More recently, she has engaged UHN's physicians to provide clinical perspective teaching sessions on laboratory test ordering. In her clinical capacity in overseeing the Immunology Laboratory at UHN, Dr. Kulasingam has trained over 25 Hematology residents and myeloma fellows in the area of laboratory testing as it relates to multiple myeloma work-up. She is active in the Hematopathology academic half day pilot program for the province. Dr. Kulasingam has also designed, developed and currently coordinates a graduate course, (*LMP1207H: Proteomics, Mass Spectrometry and their Clinical Applications*), covering the fundamentals of modern mass spectrometry and its use with biochemical techniques to provide unique analyses of proteins and small molecules, bioinformatics, proteomics, and research and clinical applications of this technology. This course was nominated for the 2021 John B. Walter Prize for Course & Curriculum Design & Development which recognizes outstanding contributions by any member of LMP to the design, development, co-ordination, or administration of any course or curriculum in the Faculty of Medicine. She has also lectured at several different graduate and undergraduate courses at the University of Toronto and at The Michener Institute of Education.

Dr. Kulasingam is a Member of the University of Toronto graduate school and has completed the supervision of two PhD Theses and have been on thesis advisory committees of over 20 students.

Besides actively teaching in all areas of education at the University of Toronto, Dr. Kulasingam is also active in international education – whether this is in the form of invited lectures, creating learning modules for the European Federation of Clinical chemistry and Lab medicine syllabus course or having observership programs for international trained medical residents and clinical chemistry fellows. Besides education, her research interests include using high-throughput “omics” technologies to understand disease pathogenesis, with a particular emphasis on cancer and rheumatic diseases and its application to clinical practice.