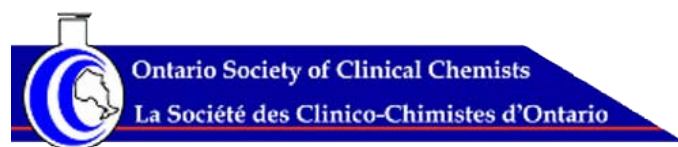


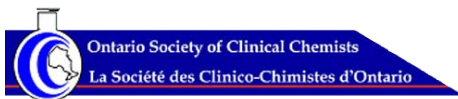
*Evidence-based
Laboratory Medicine —
Harmonization
and Beyond*

OSCC Annual Scientific Meeting 2016

Featuring an Education Session in collaboration with IQMH

November 2–3 | Niagara-on-the-Lake, Ontario, Canada





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AGENDA

Day One: Wednesday, November 2	
12:00 – 12:30	Registration
12:30 – 12:40	Opening remarks by Nathalie Lepage, OSCC President and Julia Stemp, Consultant Technologist, IQMH
Scientific education session developed by IQMH in collaboration with OSCC <i>The role of IQMH in achieving harmonized practices in medical laboratories</i> Session Chair: Julia Stemp	
12:40 – 13:25	<i>Quality Control Practices</i> Lynn Allen, IQMH Centre for Proficiency Testing, Chemistry Committee
13:25 – 13:45	Refreshment break
13:45 – 14:30	<i>Lot-to-Lot verification: What ARE we doing and what SHOULD we be doing?</i> Ron Booth, IQMH Centre for Proficiency Testing, Endocrinology/Immunology Committee
14:30 – 15:15	<i>Ignorance is NOT Bliss: How Proficiency Testing Can Inform Ongoing Method Validation</i> Paul Yip, IQMH Centre for Proficiency Testing, Chemistry Committee
15:15 – 15:45	Panel of speakers: Summary and question period Lynn Allen, Ron Booth, Paul Yip
15:45 – 16:00	Break
16:00 – 17:00	OSCC Annual General Meeting (OSCC members, including students)
17:00 – 19:10	Social activity (included in registration fees): wine tour to Peller Estates. Transportation will leave Pillar and Post at 17:15.
19:15	Social dinner at Pillar and Post, Niagara-on-the-Lake (dinner ticket must be purchased)
20:00 – 20:30	Presentation of 2016 OSCC Awards <ul style="list-style-type: none"> Outstanding Contributions to the Profession of Clinical Biochemistry in Ontario Lifetime Achievement in the Profession of Clinical Chemistry
Day Two: Thursday, November 3	
07:30 – 08:30	Registration and breakfast
08:30 – 08:40	Opening remarks by Nathalie Lepage
08:40 – 11:30	Symposium 1 — Session Chair: Ron Booth, OSCC Vice-President
08:40 – 09:10	<i>Harmonization of pre-analytical aspects – fasting, special diet, etc.</i> Michael Cornes (UK)
09:15 – 09:50	<i>Perspective on harmonization of the analytical phase</i> Stephen R. Master (Cornell, NY)
09:50 – 10:30	Break, refreshments, posters and vendor exhibits
10:30 – 11:00	<i>Choosing Wisely at North York General Hospital-Improved Laboratory Utilization</i> Manuel Giraldo (NYGH, Toronto)
11:00 – 11:30	Title to be confirmed Heather Lochnan (TOH, Ottawa)
11:30 – 12:15	Symposium 2 — Session Chair: Vathany Kulasingam, OSCC Councillor Trainee presentations
11:30 – 11:45	<i>Analytical evaluation of the semi-automated electrochemiluminescence immunoassay for sirolimus</i> Angela W.S. Fung (Toronto)
11:45 – 12:00	<i>Evaluation of the N-latex serum free light chain assay on the Siemens BN™ II analyzer and agreement with the Binding Site FreeLite™ assay on the SPAPlus</i> Nicole M.A. White-Al Habeeb (Toronto)
12:00 – 12:15	<i>Implementation of the fentanyl test strip</i> Barry D. Kyle (Hamilton)
12:15 – 13:45	Lunch, refreshments, posters and vendor exhibits
13:45 – 16:25	Symposium 3 — Session Chair: Dana Bailey, OSCC Councillor OSCC member presentations
13:45 – 14:15	<i>Reference Interval Harmonization – Getting it right in Canada</i> Chris Collier, Kingston General Hospital and Queen's University
14:15 – 14:35	Survey results from the CSCC task force on harmonization Khosrow Adeli, Sick Kids and University of Toronto
14:35 – 14:55	<i>Ways to handle bias in analytical methods</i> Lianna Kyriakopoulou, Sick Kids and University of Toronto
14:55 – 15:25	Break, refreshments, posters and vendor exhibits
	Symposium 3 (cont'd) — Session Chair: Dana Bailey, OSCC Councillor OSCC member presentations
15:25 – 15:45	<i>Harmonization of interpretative comments in serum protein electrophoresis (SPE): approaches, success factors and challenges</i> PC Chan, Sunnybrook Health Science Centre and University of Toronto
15:45 – 16:05	<i>Harmonization of Quality Control of Hematology Tests in a Multicentre Epidemiological Study</i> Josko Ivica, McMaster University, Hamilton
16:05 – 16:25	<i>Pharmacogenetics OR TDM-Pharmacokinetics: Opportunities for the Clinical Laboratory</i> Bhushan Kapur, Sunnybrook Health Science Centre and University of Toronto
16:25 – 16:40	Student award winner Closing remarks by Nathalie Lepage
17:00	Transportation to Toronto Pearson Airport will leave Pillar and Post at 17:00 (Transportation ticket must be purchased)

SPEAKER BIOGRAPHIES



Dr. Lynn Allen

Dr. Lynn Allen has a Ph.D in Biochemistry from the University of Ottawa, followed by completion of the Postdoctoral Training Program in Clinical Chemistry at the University of Toronto. She was clinical biochemist at Toronto General Hospital for 27 years; following this, she was Laboratory Director at Headwaters Health Care Centre in Orangeville, Ontario, on a part-time basis, for 13 years. She conducted workshops on implementing Ontario laboratory accreditation requirements in 2003 and 2004, and has conducted numerous workshops on measurement uncertainty. She is Chair of the IQMH Chemistry Committee and a member of Canadian Standards Association (CSA) Z252 Medical Laboratory Quality Systems Committee.



Dr. Ronald Booth

Dr. Ronald Booth completed his Ph.D in Biochemistry and Molecular Biology at the University of Ottawa followed by a clinical postdoctoral fellowship in Clinical Biochemistry at the University of Toronto. He is certified as a specialist in Clinical Chemistry and a fellow of the Canadian Academy of Clinical Biochemists. Currently, he is an Assistant Professor in the Department of Pathology and Laboratory Medicine at the University of Ottawa and Clinical Biochemist at the Ottawa Hospital where he directs the Immunology Section of the EORLA regional laboratory.



Dr. Paul Yip

Dr. Paul Yip is a graduate of the University of Toronto completing both his BSc. and Ph.D degrees in Biochemistry. After completing the Postdoctoral Training Program in Clinical Chemistry, he continued with a fellowship in the Hospital for Sick Children in Toronto. Since 2005, he has been with the University Health Network as a Clinical Biochemist, and cross-appointed as Assistant Professor in the Department of Laboratory Medicine and Pathobiology of the University of Toronto. He is certified by the Canadian Academy of Clinical Biochemistry and the American Board of Clinical Chemistry. Dr. Yip's professional interests are in the areas of laboratory quality management and point-of-care testing. He is highly engaged in educational activities which span undergraduate to post-graduate teaching and also professional development. He is married with three daughters along with their family cat "Smokey."



Dr. Michael Cornes

Dr. Michal Cornes' primary interest is in Mass Spectrometry and Pre-analytical quality. He has set up the Mass Spectrometry Section at New Cross Hospital and in the process of adding a second instrument and double their test repertoire on this. He is the Chair of the ACB working group for mass spectrometry.

His interest in the Pre-analytical Phase stemmed from his MSc work on EDTA contamination and its prevalence and detection. This led to his involvement in the EFLM working group on the Pre-analytical Phase as the Young member and to his becoming Chair of the ACB equivalent working group. He also advises the UKNEQAS pre- and post-analytical indicator scheme. In these groups, he has been involved in investigating and publishing on EDTA and sample contaminations, Order of Draw, quality indicators in the pre-analytical phase, indices, phlebotomy practices across Europe, standardization of fasting requirements and phlebotomy tube top colour standardization.



Dr. Stephen Master

Stephen Master received his undergraduate degree from Princeton University and his MD and Ph.D from the University of Pennsylvania. He completed his residency in Clinical Pathology at the Hospital of the University of Pennsylvania, where he also served as Chief Resident. After a postdoctoral year as a research associate, he joined the faculty of the University of Pennsylvania as an Assistant Professor of Pathology and Laboratory Medicine. During his time at Penn he served as Director of the Endocrinology Laboratory, director of the Penn Translational Core Laboratory, and also ran a basic research laboratory focused on mass spectrometry-based proteomics and informatics. In 2015 he moved to his current position as Associate Professor of Pathology and Laboratory Medicine at Weill Cornell Medicine (New York, NY), where he serves as Director of the Central Laboratory and Chief of Clinical Chemistry Laboratory Services. Dr. Master serves on the Board of Editors of Clinical Chemistry and has just been elected to the Board of Directors for AACC. His peer-reviewed publications encompass proteomics, molecular diagnostics, and translational biomarker studies. Additionally, for the past several years he has served as a member of the Harmonization Oversight Group for the International Consortium for the Harmonization of Clinical Lab Results.



Mr. Manuel Giraldo

Manuel Giraldo has worked in the Department of Laboratory Medicine at North York General Hospital (NYGH) as the Manager of Pathology and Core Laboratory Services since January 2008.

His 27-year career in health care leadership includes several leadership positions in the private and public sectors. He has worked in various capacities at two major teaching hospitals, Sunnybrook and Women's College Health Sciences Centre, and St. Michael's Hospital, in the Greater Toronto Area.

Manuel finished a Bachelor of Science in 1988 and a Master of Health Administration in 1996. He is a Certified Health Executive (CHE) by the Canadian College of Health Leaders (formerly CCHSE) and holds a Certificate in Clinical Laboratory Quality Management from the Michener Institute. In addition, he has recently completed an Advance Leadership Program at University of Toronto.

At NYGH, he is significantly involved with Choosing Wisely activities that have resulted in more effective use of the laboratory resources. He has also contributed to other hospital-wide initiatives, such as breast cancer accreditation and improvements around Access to Care.

Manuel is also an assessor for the Institute of Quality Management in Healthcare (IQMH) and an active member of the Ontario Society of Medical Technologists (OSMT) Certification Committee. In addition, he is a surveyor and presenter for Accreditation Canada National and International.



Dr. Heather Lochnan

Dr. Heather Lochnan graduated from the University of Toronto Medical School and completed research training at the Hôpital Necker- Enfants Malades in Paris, France and at the Banting and Best Research Institute in Toronto. She is the Assistant Dean of Continuing Professional Development, Education Programming for the Faculty of Medicine and is Associate Professor of Medicine at the University and full time Endocrinologist at the Ottawa Hospital.

Along with her diabetes and general endocrinology interests, her practice includes a dedicated thyroid cancer and thyroid biopsy clinic. She was instrumental in obtaining point of care ultrasound for the University of Ottawa Endocrinology and Metabolism training program and is chair of the American Thyroid Association Membership Committee and member of the Cancer Care Ontario-PEBC Head and Neck, Thyroid Guideline Group. She is a member of the Canadian Society of Endocrinology and Metabolism, Quality Improvement Committee who advise for Choosing Wisely Canada.



Dr. Angela Fung

Dr. Angela Fung is a second year clinical chemistry fellow training at the University of Toronto. She completed her Honours BSc. and Ph.D in Biochemistry at the University of Alberta. Her thesis focused on using a MALDI-ToF functional assay developed in-house to elucidate the molecular basis of catalytic mechanism and substrate specificities of an enzyme in the N-end rule protein degradation pathway, which has implications in neurodegeneration, cardiovascular development, and apoptosis. Her passion in translating and applying biochemistry and mass spectrometry in a clinical context led her to pursue training in clinical biochemistry. The opportunity to meet and train under the guidance of many experienced biochemists from a number of large academic hospitals has been an invaluable learning experience to her. She hopes to further consolidate her knowledge and experience in preparation for this exciting and challenging career.



Dr. Nicole White-Al Habeeb

Dr. Nicole White-Al Habeeb completed a BSc. Biochemistry at Memorial University, St. John's, Newfoundland. She later went on to complete a Ph.D in Biomedical Sciences at Memorial University, which focused on the role and clinical utility of kallikrein-related peptidases in ovarian carcinoma. She then completed four years as a post-doctoral fellow at St. Michael's Hospital, Toronto in which she focused on the clinical utility of microRNAs as diagnostic and prognostic biomarkers for renal cell carcinoma. She then did a second fellowship at Mount Sinai Hospital, Toronto which focused on the prognostic significance of DNA methylation as biomarkers for prostate cancer. She is currently a clinical chemistry fellow at the University of Toronto.



Dr. Barry Kyle

Dr. Barry Kyle obtained his BSc. (Hons) in Biology from the U.K.: University of Ulster (2002–2006). He spent a co-op year at the University of Nevada researching arterial smooth muscle. He went on to obtain his Ph.D in smooth muscle physiology at the Dundalk Institute of Technology (2006–2010), focusing on urinary tract smooth muscle.

His post-doctoral research focused on vascular and nerve physiology at the University of Calgary (2010–2016). He is currently the clinical biochemistry junior fellow at McMaster University.



Dr. Christine Collier

Dr. Christine Collier is a Clinical Biochemist at Kingston General Hospital, a consultant Clinical Biochemist at Peterborough Regional Health Centre, and a Professor in the Department of Pathology and Molecular Medicine at Queen's University. Following her graduate degrees in Clinical Biochemistry at the University of Toronto with Dr. Steve Soldin at the Hospital for Sick Children, she did a three-year post-doctoral fellowship in Clinical Biochemistry at the University of Manitoba, and then post-doctoral research with Dr. Joe Bertino at the Memorial Sloan-Kettering Cancer Center in New York City. Recently she completed a Masters in Community Health and Epidemiology (Public Health Sciences) at Queen's University on the "Rate of change of eGFR in early Chronic Kidney Disease". Her service and research interests include cardiac markers, protein electrophoresis, testosterone measurement in hypogonadism, test utilization management, and the importance of biological variation and measurement uncertainty in test interpretation. Following her 2013–2014 sabbatical in the UK and Australia, harmonized reference intervals has hopped on her list of interests as well. Christine has been active in the OSCC, CSCC, Upstate New York Section of the AACC and the IATDMCT.



Dr. Khosrow Adeli

Dr. Adeli is currently a Senior Scientist in the Program in Molecular Structure and Function, Research Institute, The Hospital for Sick Children, University of Toronto. He is also the head and full professor of Clinical Biochemistry at the Hospital for Sick Children and the Departments of Biochemistry, and Laboratory Medicine & Pathobiology at the University of Toronto in Toronto, Canada. He is the Director of Point of Care Testing program at the Hospital for Sick Children in Toronto. Dr. Adeli is a fellow of the Canadian Academy of Clinical Biochemistry and a diplomate of the American Board of Clinical Biochemistry. He is currently the Editor-in-Chief of the *Critical Reviews in Clinical Laboratory Sciences* (5 year Impact Factor of 5.5). Dr. Adeli served as the Editor-in-Chief of the *Clinical Biochemistry* journal for seven years (1999–2006). He is an editorial board member of the *Clinical Biochemist Reviews*. He served (2006-2010) as the President of COMACC, the Commission on Accreditation in Clinical Chemistry, a North American organization responsible for accreditation of clinical chemistry training programs in the USA and Canada. He currently serves as the Chair of Publications and Communications Division of the International Federation of Clinical Chemistry (IFCC), as well as the Public Relations Coordinator for the IFCC organization. He is also currently a member of the Council of Scientific Advisors (CSA) to the International Center for Genetic Engineering and Biotechnology (ICGEB), serving on the CSA since 2009.

Dr. Adeli has been actively involved in both molecular and clinical laboratory research since 1988 and has published over 500 articles and abstracts to date. His main area of research is focused on understanding the pathophysiology of obesity, metabolic syndrome and type 2 diabetes. Dr. Adeli is also active in clinical chemistry research and has been involved in a number of projects on diagnostic test development projects. He is the principal investigator of the CALIPER (Canadian Laboratory Initiative on Pediatric Reference Interval Database) project aimed at the establishment of a laboratory reference interval database for biomarkers of pediatric disease.

He has received several national and international awards for research excellence including the 2015 Canadian Society of Clinical Chemists Innovation Award (CSCC), the 2015 Ontario Society of Clinical Chemists (OSCC) Lifetime Achievement Award, the 2012 CSCC Education Award, the Canadian Society of Atherosclerosis, Thrombosis and Vascular Biology (CSATVB) Scientific Excellence Award (2011), the Merck Senior Investigator Award of the Canadian Lipoprotein Conference (2008), the Canadian Society of Clinical Chemistry National Award for outstanding contributions to clinical chemistry (2006), Canadian Academy of Clinical Biochemistry National Award (2004), the Canadian Society of Clinical Chemistry Research Excellence Award (1999), Bristol-Meyers Squibb Young Investigator (1995), the Merck Senior Investigator Award (1997), and the Simon-Pierre Noel Award (2001) from the Canadian Lipoprotein Conference.



Dr. Lianna Kyriakopoulou

Dr. Lianna Kyriakopoulou is currently the director of Genome Diagnostics at the Hospital for Sick Children. She received her Ph.D. in Microbiology and Molecular and Medical Genetics from the University of Toronto. She is certified by the Canadian Academy of Clinical Biochemistry and the American College of Medical Genetics in Clinical Molecular Genetics. She has worked as a Clinical Biochemist in the Genetic Metabolic Diseases laboratory and special chemistry at the Hospital for Sick Children.



Dr. PC Chan

Dr. PC Chan obtained his graduate training from Australia, Calgary and Toronto, and is certified in Clinical Chemistry and Molecular Diagnostics with ABCC in the US, and in Clinical Biochemistry with CACB in Canada.

As a Clinical Biochemist, PC provides scientific oversight as well as clinical guidance on the proper use and interpretation of various biochemical tests, particularly those related to the investigation of monoclonal gammopathies. He teaches at both undergraduate and post-graduate levels at University of Toronto. His clinical and research interests encompass laboratory investigation of monoclonal gammopathies, POCT glucose in critical care, and clinical utility of brain-disease biomarkers. At present, he is the Chair/Convener for the CSCC Monoclonal Gammopathy Interest Group, one of whose objectives is to develop a Canadian practice guideline on Monoclonal Gammopathy Investigations.



Dr. Josko Ivica

Josko Ivica is currently working as a post-doctoral fellow at McMaster University in Hamilton, Ontario. His current post-doctoral appointment is with the Canadian Longitudinal Study on Aging at the Department of Clinical Epidemiology and Biostatistics. His work is centered on development of quality management system for the study, specifically for biospecimen processing in data collection laboratories and their storage in biorepository. Additionally, Josko has been specializing in quality assurance for hematology testing in epidemiological research as well as in research on hematology geriatric reference intervals. Josko obtained a bachelor's degree in medical biochemistry from the University of Zagreb, Croatia, where he gained knowledge and experience in laboratory medicine disciplines such as clinical chemistry and hematology. He has one year experience of working as a resident in a core laboratory in a teaching hospital in Croatia. After completion of residency in the hospital, Josko enrolled in Ph.D studies at School of Medicine, Charles University in Prague, Czech Republic. His Ph.D research focused on indicators of oxidative stress and their potential as biomarkers of Alzheimer's disease in blood, and method development and validation for their measurement on HPLC. During his Ph.D training and post-doctoral appointment he has gained experience with mass spectrometry analysis.



Dr. Bhushan Kapur

Dr. Bhushan Kapur graduated with a D.Phil. from the University of Basel, Switzerland in 1967. He was the Director of Laboratories at the Addiction Research Foundation (ARF) from 1971 to May 1995. The toxicology laboratory at ARF was responsible for providing a 24-hour/7-day emergency identification of drugs including alcohol for almost 80 hospitals in the metropolitan of Toronto.

From May 1995 to December 2015, he was with the Division of Clinical Pharmacology and Toxicology, The Hospital for Sick Children in Toronto. In June 2000, he was appointed as a consultant and in Laboratory Medicine in the Department of Clinical Pathology, Sunnybrook Health Science Centre and in 2008 a Research Associate in the Sunnybrook Research Institute.

He is also Associate Professor in the Department of Laboratory Medicine and Pathobiology, Faculty of Medicine, University of Toronto, and a Chartered Chemist and Fellow of The Royal Society of Chemistry (UK); Fellow of Academy of Clinical Biochemistry (USA) and Canadian Academy of Clinical Biochemistry (CAN).

As Inspector for Forensic Urine Drug Testing, American College of Pathologists, he has participated in inspections of laboratories requesting certification to do Work Place Drugs of Abuse testing.

His research interests have been in the biochemical changes in the alcohol and drug using population. He has 298 publications and presentations (111 peer reviewed publications and 187 presentations at scientific conferences), and has been a recipient of grants from various organizations over the years: CIHR, NIH, MRC, NIAA, WHO, Can Found for Fetal Alcohol Research and Alva Foundation Grant in Neonatal and Newborn health.

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EVALUATION FORM				
<i>Evidence-Based Laboratory Medicine: Harmonization and Beyond</i>				
2016 OSCC Annual Scientific Meeting				
November 2–3, 2016				
	Poor	Fair	Good	Very Good
Planning				
Advertising				
Registration Process				
Program				
Facility and Events				
Pillar and Post Hotel, Niagara-on-the-Lake				
Convenience of Niagara-on-the-Lake				
Set up of meeting rooms				
Food and beverages				
Scientific Session - IQMH				
Relevance				
Set up of meeting rooms				
Food and beverages				
Social Activity – Peller Estates Wine Tour				
Time allowed				
Enjoyment factor				
Dinner – Pillar and Post Hotel				
Food				
Set up				
Presenters – Wednesday, November 2, 2016				
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Knowledge and presentation style				
Content relevance and usefulness				
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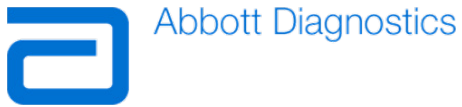
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