



Canadian Oral Health Summit

June 20–22, 2024

Dalhousie University



Program

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Registration & Wi-Fi

The main registration times and locations are listed here. Should you arrive after these times, please ask a member of event staff for assistance.

Thursday, June 20th: 7:30 am - 9:00 am Dentistry Entrance, 5981 University Avenue

Friday, June 21st: 7:30 am - 9:00 am Prince Hall, 6350 Coburg Road

Saturday, June 22nd: 7:30 am - 9:00 am Prince Hall, 6350 Coburg Road

Your unique Wi-Fi code can be found on the back of your name badge.

Locations

Prince Hall

6350 Coburg Road, Halifax NS, B3H 2A1, via the Arts & Administration Building

Dentistry building

5981 University Avenue, Halifax NS, B3H 4R2

Marion McCain Arts & Social Sciences building

6135 University Avenue, Halifax, NS B3H 4R2

Kenneth C. Rowe Management building

6100 University Avenue, Halifax, NS, B3H 4R2

CHEB (Collaborative Health Education Building)

5793 University Avenue, Halifax, NS, B3H 4R2.

Joseph Strug Concert Hall

1385 Seymour St, Halifax, NS, B3H 3M6

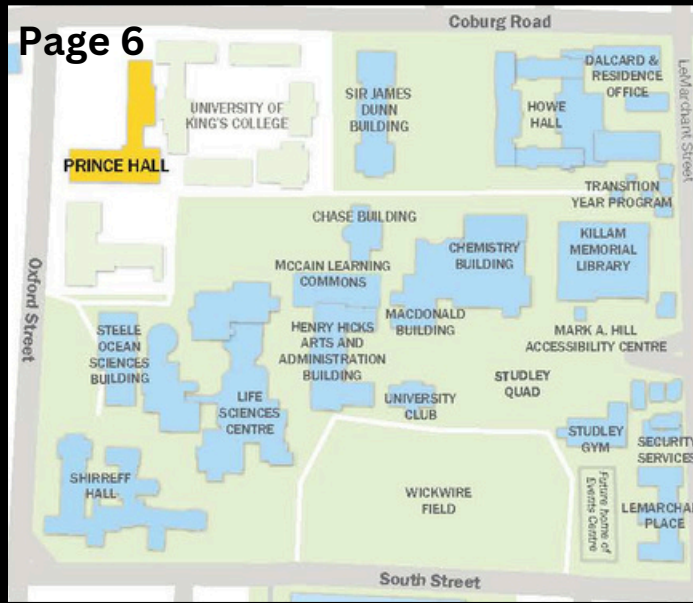
The Westin Nova Scotian Hotel

1181 Hollis St, Halifax, NS, B3H 2P6

Note: Maps are provided on the next two pages. Please ensure you leave sufficient time to travel between buildings. While many of the sessions are located close together, we kindly draw your attention to the distance (600m) between Prince Hall and the Ondaatje Auditorium in the McCain building.

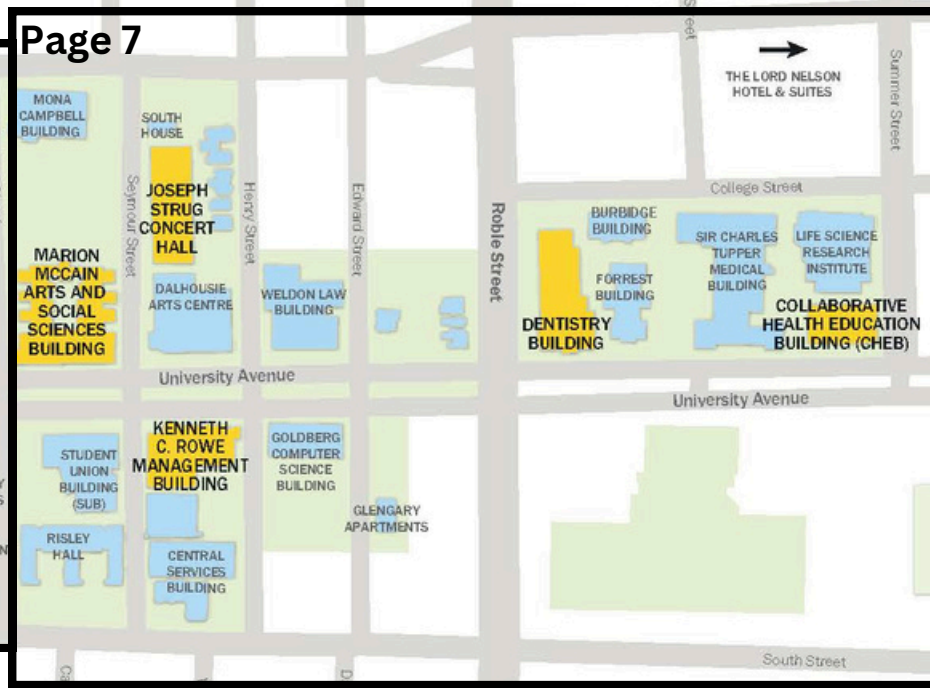
Full Map

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Map of Page 6 showing buildings including Prince Hall, University of King's College, Sir James Dunn Building, Chase Building, Mccain Learning Commons, Chemistry Building, Killam Memorial Library, Wickwire Field, and Dalplex.

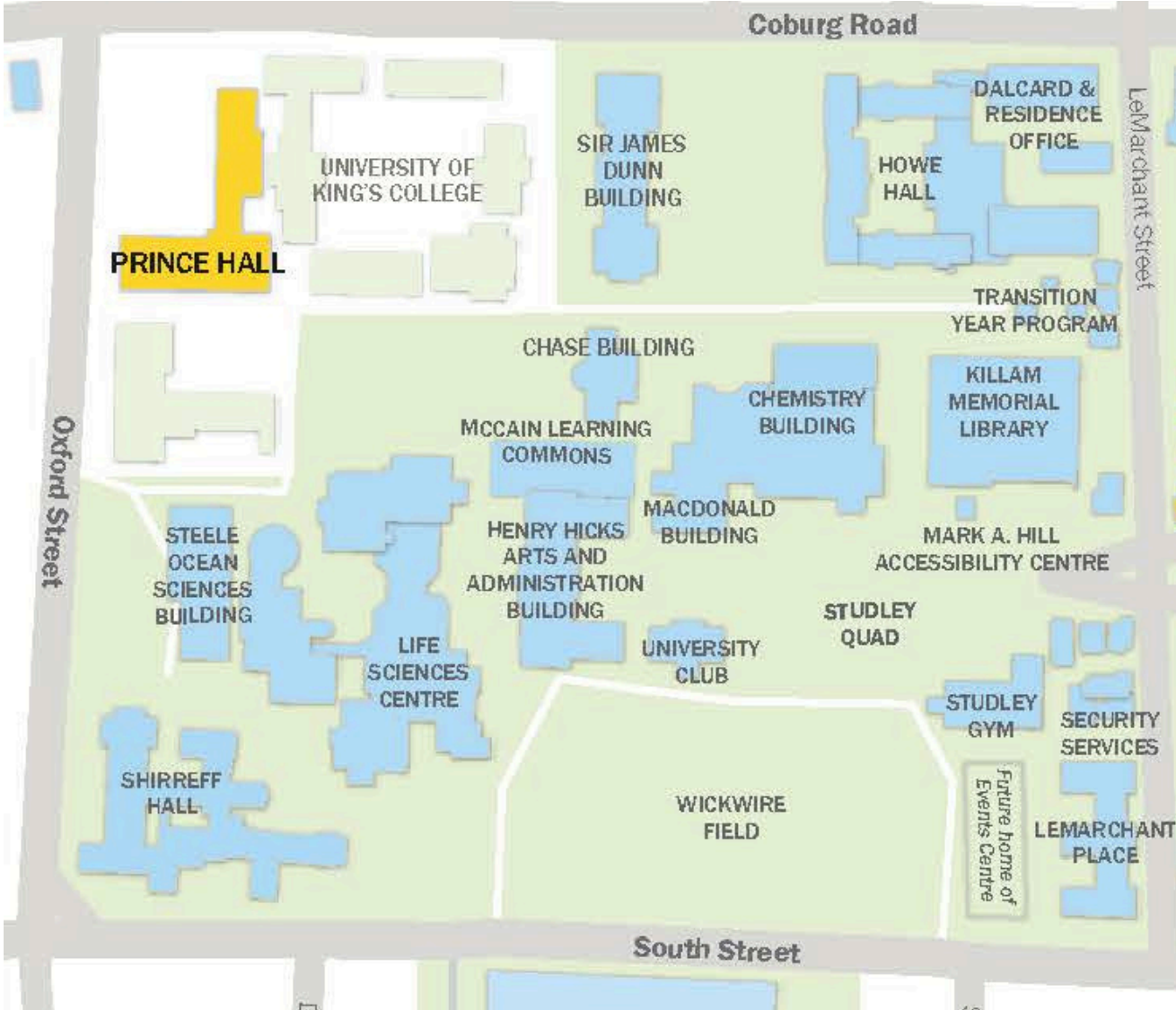
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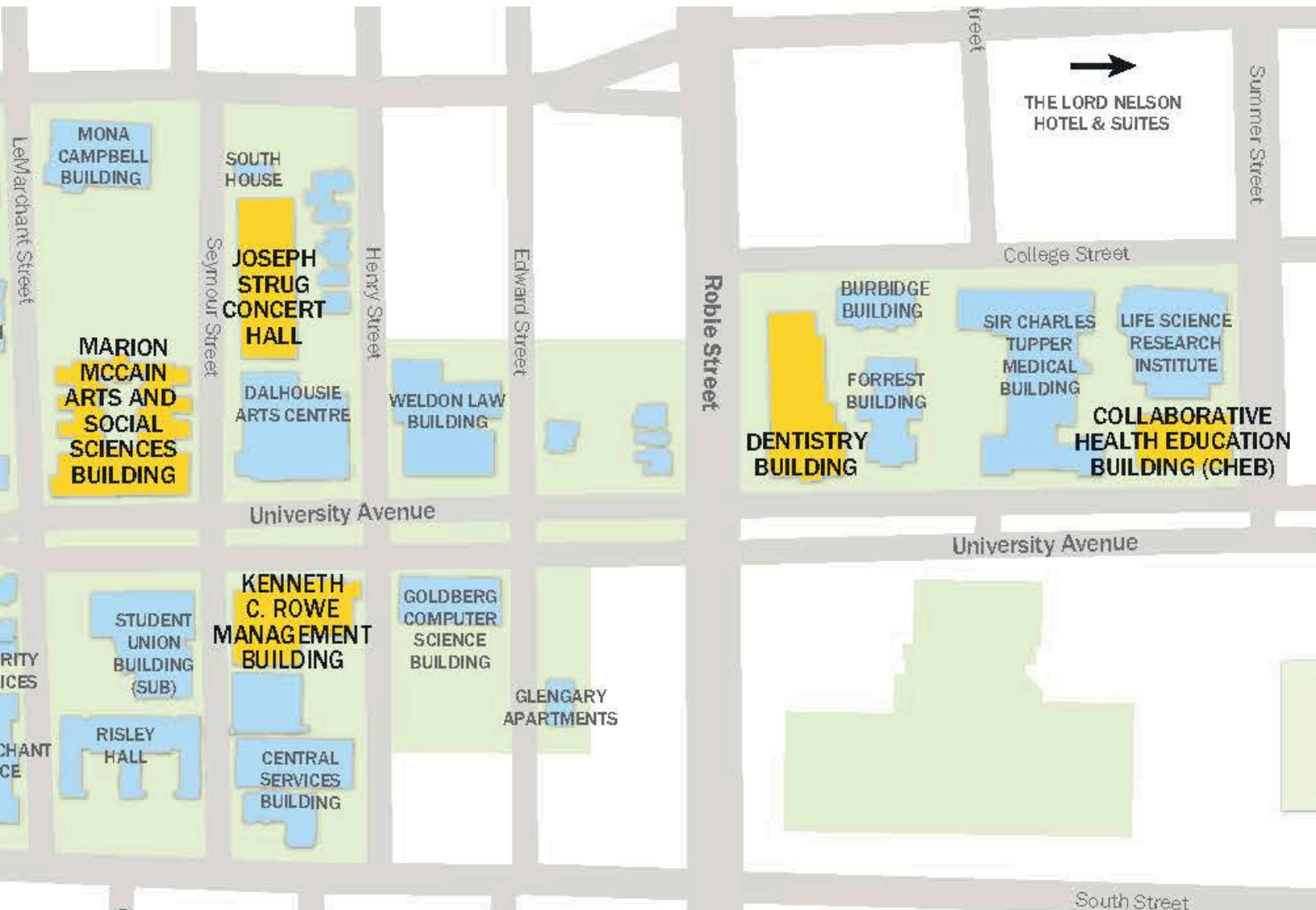
Map of Page 7 showing buildings including Marion McCain Arts and Social Sciences Building, Joseph Strug Concert Hall, Dalhousie Arts Centre, Weldon Law Building, Student Union Building, Central Services Building, and Kenning C. Rowe Management Building.



Close-up Map 1



Close-up Map 2



Event Details



The 2024 conference will be the inaugural Canadian Oral Health Summit, based at Dalhousie University in Halifax. Building on previous biannual meetings of the Association of Canadian Faculties of Dentistry (ACFD), this event is a collaboration with the Canadian Association for Dental Research (CADR), the Network for Canadian Oral Health Research (NCOHR) and the Institute of Musculoskeletal Health and Arthritis (CIHR-IMHA). The broader program will span three days, and bring together a wider audience across oral health care and research to advance oral health in Canada and internationally.

Attendees

- Canadian academic dentistry leaders: Deans, Associate Deans, Clinic Directors, Program Directors and others
- Professors from all 10 Canadian dental schools
- Leaders of national dental organizations
- Students, residents and other trainees
- Dentists, dental hygienists, dental therapists and other dental professionals
- Patient and public partners
- Leaders in Canadian health research
- Leaders in the Canadian Dental Care Program



Thursday, June 20 Workshops

Time	<i>Only people registered for workshops in summit registration system may attend. Space limited.</i>				
9:00 am - 10:00 am					CHMS data user workshop: Spotlight on oral health (9am - 5pm) 2019 McCain
10:00 am - 10:30 am	Morning Break 5th Floor Dentistry				
10:30 am - 12:00 pm				Vision for a sustainable virtual oral health care (10:30 am - 5 pm) 1206 Dentistry	CHMS Workshop cont
12:00 pm - 1:00 pm	Lunch CHEB 170				
1:00 pm - 3:00 pm		Patient and public engagement 101 (1 pm - 3 pm) 4117 Dentistry	Beyond the Surface: Analyzing Oral Health Data (1 pm - 5pm) 3157 Dentistry	Vision for a sustainable virtual oral health care cont	CHMS Workshop cont
	How to get published (2 pm - 4 pm) 4116 Dentistry				
3:00 pm - 3:30 pm	How to get published cont	Afternoon Break 5th Floor Dentistry			
3:30 pm - 5:00 pm	How to Get Published Workshop (end at 4 pm)		Beyond the Surface: Analyzing Oral Health Data cont	Vision for a sustainable virtual oral health care cont	CHMS Workshop cont
6:00 pm - 7:00 pm	Welcome Cocktail Joseph Strug Hall Atrium <i>Open to All</i>				

Thursday, June 20 Meetings

Time	Event/activity	Attendees	Location
7:30 am – 9:00 am	Registration		Dentistry Entrance
7:30 am - 8:30am	Breakfast	ACFD committee & Workshop Attendees	5th floor lounge Dentistry
8:30 am - 12:00 pm	ACFD Deans Committee (Invitation only)	Committee members	5150 Dentistry
	ACFD AAC (Invitation only)	Committee members	5236 Dentistry
	ACFD RAC (Invitation only)	Committee members	5199 Dentistry
	ACFD CAC (Invitation only)	Committee members	5228 Dentistry
10:00 am - 10:30am	Mid-morning coffee break	Committee members & Workshop	5th floor lounge Dentistry
10:30 am – 12:00 pm	Biomaterials NCOHR Advisory Group (Invitation only)	Advisory Group Members	5214 - Dentistry
12:00 pm - 12:45 pm	Lunch	ACFD committee & workshop	CHEB 170
12:45 pm - 2:00 pm	ACFD AGM	All welcome	3156 Dentistry
12:30 – 4:00 pm	Canadian Dental Assistants Association (Invitation only)	CDAА committee members	1205 Dentistry
2:15 pm - 5:00 pm	Joint ACFD/CDA/CDAC/CDRAF/NDEB/RCDC meeting	ACFD committees & stakeholder reps	CHEB 170
3:20 pm - 3:40 pm	Mid-afternoon break	Committees & Workshop attendees	5th floor lounge Dentistry
4:00 pm - 5:30 pm	For Editors, By Editors (Invitation Only)	Invitees Only	4116 Dentistry
5:30 pm - 7.30pm	COHS welcome cocktail	All COHS attendees	Joseph Strug Hall Atrium

Friday, June 21

Time	Sessions	
7:30 am - 8:30 am	Breakfast Prince Hall	
8:30 am - 10:00 am	Welcome Ondatjee Auditorium - McCain	Dr. Ben Davis
	Keynote Address	Minister Holland
	Canada's National Oral Health Research Strategy	Dr. Leigha Rock & Prof. Nick Jacobovics
	The WHO's Global Oral Health Action Plan	Dr. James Fitzgerald
	The Lancet Commission on Oral Health	Dr. Carol Guarnizo-Herreno
10:00 am - 10:30 am	Morning Break Atrium - McCain	
10:30 am - 12:00 pm	AI and Research, Learning and Healthcare Delivery Ondatjee Auditorium - McCain	
	Making Sense of Innovation: Artificial Intelligence in Oral Healthcare	Dr. Pascal Tyrrell
	Machine Learning Approaches for Mitigating Selection Bias in Oral Health Survey Data	Dr. Lamin Juwara
	Application of AI in healthcare and lessons learned for Dental Medicine and Oral Health	Dr. Samira A. Rahimi
	Uncertainty in AI-based prediction models: the need and impact on clinical decision making	Dr. Sreenath Madathil
12:00 pm - 1:30 pm	Open Lunch Prince Hall	Public Health Lunch & Lightening Talks <i>Register in Advance</i> Scotiabank Auditorium - McCain

Friday, June 21 cont.

Time	Sessions		
1:30 pm - 3:00 pm	<p>Symposium #1 Federal initiatives to support oral health care in Canada Ondatjee Auditorium - McCain</p>	<p>Symposium #2 Learning opportunities for oral health trainees to develop innovative and sustainable solutions: perspectives from the CHMS 1020 Rowe</p>	<p>Symposium #3 Student & junior faculty research presentations – fundamental research Scotiabank Auditorium - McCain</p>
3:00 pm - 3:30 pm	<p>Mid-afternoon Break Atrium McCain</p>		
3:30 pm - 5:00 pm	<p>Symposium #4 Canada's National Oral Health Research Strategy: a discussion Ondatjee Auditorium - McCain</p>	<p>Symposium #5 Humanizing Oral Health Professional Education to Actualize Person-Centred Care Scotiabank Auditorium - McCain</p>	<p>Symposium #6 Exploring the Relationship Between Oral Health and Frailty: Experiences Planning and Hosting a Research Priority Generating Workshop 1020 Rowe</p>
5:00 pm - 7:00 pm	<p>Posters and Drinks <i>Open to All</i> Dentistry Clinic Lobbies</p>		

Saturday, June 22

Time	Sessions		
7:30 am - 8:30 am	Breakfast Prince Hall		
8:30 am - 10:00 am	Attracting and retaining excellent people for oral health care <i>Dr. Ben Davis, Ondina Love, Dr. Leigha Rock, Dr. Paul Major, Dr. Barb Hamilton-Hinch, Dr. Marsha Pyle</i> Ondatjee Auditorium - McCain		
9:30 am - 9:45 am	Morning Break Atrium - McCain		
9:45 am - 10:45 am	Attracting and retaining excellent people for oral health care (cont.) <i>Dr. Sachin Seth, Dr. Erin Steeves, Dr. Lindsay Van Dam, Dr. Clare Champoux and Dr. Doug Mackey</i> Ondatjee Auditorium - McCain		
10:45 am - 11:00 am	Break Atrium - McCain		
11:00 am - 12:00 pm	Attracting and retaining excellent people for oral health care (cont.) <i>Dr. Leigha Rock, Dr. Shauna Hachey, Dr. Haider Al-Waeli, Dr. Jim Lai, Dr. Stacy Bryan, Dr. Ben Davis</i> To convene at: Ondaatje Auditorium - McCain Breakout rooms: Ondaatje Auditorium, Scotiabank Auditorium, 1198, 2016, 2021		
12:00 pm - 1:00 pm	Lunch Prince Hall		
1:00 pm - 2:30 pm	<p>Symposium #7 Navigating the Future of Oral Health Workforce in the Era of the Canadian Dental Care Plan Ondatjee Auditorium - McCain</p>	<p>Symposium #8 Community-engaged research experiences with priority populations in Canada 1020 Rowe</p>	<p>Symposium #9 Complex and Multimodal Data to Advance Canadian Population Oral Health Research: The Future is Now Scotiabank Auditorium - McCain</p>

Saturday, June 22 cont.

2:30 pm - 3:00 pm	<p>Mid-afternoon break Atrium - McCain</p>		
3:00 pm - 4:30 pm	<p>Symposium #10 What can public dental care achieve and what are its limits? A discussion Ondatjee Auditorium - McCain</p>	<p>Symposium #11 Cultivating Equity, Diversity, and Inclusivity in Dental Education: Narratives from Four Canadian Dental Schools. Scotiabank Auditorium - McCain</p>	<p>Symposium #12 Student & junior faculty research presentations – applied research 1020 Rowe</p>
6:00 pm - 9:00 pm	<p>Gala Dinner <i>Please Register (300 limit)</i> Westin Hotel</p>		

The Honourable Mark Holland, Minister of Health



The Honourable Mark Holland was first elected as the Member of Parliament for Ajax in 2004 and served until 2011. He was re-elected in 2015, 2019, and 2021. He is currently serving his sixth term.

A lifelong resident of the Ajax-Pickering area, Minister Holland has served his community for over 20 years. He was elected as a Durham Regional Councillor, serving from 1997 to 2004. He also served as Acting Mayor of Pickering. During his time on council, he focused on the redevelopment of the Pickering waterfront, youth employment, and environmental issues.

As a Member of Parliament, Minister Holland has served as Leader of the Government in the House of Commons, as Chief Government Whip, as Parliamentary Secretary to the Minister of Public Safety and Emergency Preparedness, and as Parliamentary Secretary to the Minister of Democratic Institutions. He has been a staunch advocate of marriage equality rights, and played a key role in helping to reform Canada's animal cruelty laws.

In both public and private roles, Minister Holland has backed health-related initiatives. He served as Executive Director of the Heart and Stroke Foundation of Canada's Ontario Mission, as well as its National Director of Children and Youth, and helped to secure funding for Grandview Children's Centre's future Ajax location.

Friday Speaker Biographies

Dr. Leigha Rock (She/Her)



Leigha Rock, DipDH, BDS, PhD, Associate Professor and Director, School of Dental Hygiene, Faculty of Dentistry, Dalhousie University. Dr. Rock is also cross appointed to the Departments of Pharmacology and Pathology in the Faculty of Medicine. She is a Scientist at the Beatrice Hunter Cancer Research Institute and holds a scientific appointment at Nova Scotia Health, Department of Anatomical Pathology. The overall goal of her research is to facilitate discoveries that will advance early oral cancer detection biomarkers and identify effective intervention strategies to reduce the number of individuals with aggressive advanced stage disease. Her research focuses on emerging biomarkers and translational precision health approaches to the interception of the malignant transformation of oral premalignant lesions. Dr. Rock is also a co-chair of the National Oral Health Research Strategy (NOHRS), a collaborative initiative led by the Canadian Institutes of Health Research (CIHR) Institute of Musculoskeletal Health and Arthritis (IMHA) in partnership with various Canadian oral health professional organizations and research/academic institutions. The strategy was co-created by the oral health research community, health researchers from other disciplines, professional bodies, and patient and public partners.

Prof. Nick Jakubovics (He/Him)



Nick Jakubovics is Professor of Oral Microbiology at Newcastle University, UK, and Editor-in-Chief of the Journal of Dental Research. He trained in biochemistry at the University of Cambridge, UK, before specializing in oral microbiology and biofilms during postdoctoral research at the University of Bristol, UK, and NIDCR, Bethesda, MD. He has received funding from research councils, charities and industry for his current research program that develops new approaches to control oral biofilms and biofilm-related infections elsewhere in the body. He has published more than 100 papers on these topics and has received several awards for his translational research, including the IADR Innovation in Oral Care Award in 2016. Nick was a member of the Executive Board of Applied Microbiology International from 2011-15 and was Features Editor of their quarterly magazine, The Microbiologist, for several years. He was Associate Editor at Oral Diseases (2016-17) and the Journal of Dental Research (2017-20) before being appointed Editor-in-Chief of the JDR in 2020. As part of this role, he is member of the Boards of Directors of the IADR and AADOCR.



Dr. James Fitzgerald

James Fitzgerald is the Director of Health Systems and Services at the Pan American Health Organization (PAHO), regional office of the World Health Organization (WHO) in the Americas. He oversees the PAHO/WHO work program to support the transformation of national health systems in the Americas to improve equity and resilience, strengthen Primary Health Care (PHC), and support the progressive realization and achievement of Universal Health.

As Director of Health Systems and Services at PAHO/WHO, he has led the development of reference policy frameworks to guide health sector reform to achieve Universal Health Coverage based on the Primary Health Care Strategy in the Americas. He has coordinated strategies to strengthen health systems resilience, health services organization, workforce capacity and regulatory systems development of medicines and medical products. He oversees the management of the PAHO Virtual Campus for Public Health, and the work program of the Organization in sexual and reproductive health. As a national of Ireland, he holds a B.Sc.(Pharm) and Ph.D. in Pharmaceutical Sciences from Trinity College Dublin, Ireland. After several years working with the pharmaceutical industry in Ireland, he joined PAHO/WHO in 1997 with posts held in Haiti and Brazil. He assumed leadership of the regional work program in Medicines and Health Technologies at PAHO headquarters, Washington DC, USA in 2008, and was appointed Director of Health Systems and Services in 2014.



Dr. Carol Guarnizo-Herreño (She/Her)

Carol is a Colombian public health dentist and researcher. Her research interests include socioeconomic inequalities in oral health and the social determinants of health, and the influence of macro-level factors (related to the economic and political context) on population oral health and patterns of inequalities. She has been the recipient of scholarships from Fulbright, UCL (University College London) and the Newton Fund. She has published various peer reviewed publications and book chapters and has led/co-led grants funded by the Colombian government, University of Iowa, the Newton Fund/British Council, and NIHR. Currently she works at the National University of Colombia and is also an Honorary Senior Research Fellow in the Department of Epidemiology and Public Health, UCL. Previous to her academic career, Carol worked at the Colombian National Institute of Health and the Secretariat of Health Bogota. Carol holds a BSc in Dentistry and an MSc in Public Health from the National University of Colombia and a PhD in Epidemiology and Public Health from UCL. Currently Carol is the co-chair of the Lancet Commission on Oral Health.



Dr. Pascal Tyrrell

Pascal Tyrrell, an accomplished data scientist, is the Director of Data Science and an Associate Professor at the University of Toronto's Department of Medical Imaging. He founded the MiDATA data science program and holds appointments in the Institute of Medical Science and the Department of Statistical Sciences. His research applies innovative Artificial Intelligence to medical image analysis for improved health outcomes. Pascal is also a serial entrepreneur with experience spanning computer software, medical devices, and agri-tech.



Dr. Lamin Juwara

Dr. Juwara is a Postdoctoral researcher at Electronic Health Information Laboratory (EHIL), University of Ottawa, where he works on the applications of machine learning methods for synthetic data generation. He completed his Ph.D. in Quantitative Life Sciences (Computational Statistics Specialization) at McGill University, Montreal. His research interests primarily involve developing statistical and computational methods for analyzing distributed biomedical data under budget or privacy constraints. Additionally, he has a strong interest in applying statistics to neurology and pain research.



Dr. Sreenath Madathil

Sreenath A Madathil is a cancer epidemiologist whose work lies at the intersection of epidemiology, dentistry, and artificial intelligence (AI). Dr. Madathil, completed his bachelor's in dental surgery from University of Calicut, India followed by M.Sc. in Dental Sciences and Ph.D. on Craniofacial Health Sciences from McGill University. His research interest is developing and validating statistical models, and machine learning approaches to support the clinical decision-making process in oral health care. Dr. Madathil's current research projects include i) uncertainty quantification in AI models for oral lesion diagnosis, ii) clinical prediction modelling, and iii) Bayesian inference for life course epidemiology. His research is supported by the Canadian Institutes of Health Research, Canadian Immunity Task Force, and Fonds de recherche du Quebec - Santé. Dr. Madathil has obtained a bachelor's in dental surgery from the University of Calicut, India, and an MSc and Ph.D. in Craniofacial Health Sciences from McGill University.



Dr. Samira A. Rahimi

Samira Abbasgholizadeh-Rahimi, BEng, PhD, is Canada Research Chair (Tier II) in Advanced Digital Primary Health Care, Assistant Professor of Family Medicine and Associate member of Faculty of Dental Medicine and Oral Health Sciences at McGill University. She is affiliated scientist at Jewish General Hospital, and Academic Member of Mila-Quebec AI Institute. Prof. Rahimi is co-director of McGill Collaborative for AI & Society (McCAIS), elected President of Canadian Operational Research Society, and Director of Artificial Intelligence in Family Medicine (AIFM). She is the recipient of numerous awards, including the 2022 New Investigator Primary Care Research Award of North American Primary Care Research Group (NAPCRG), an award that recognizes exceptional contributions by emerging investigators in the field of primary care research.

Saturday Speakers



Ben Davis DDS, Dip OMFS&Anes, FRCD(C)

Dean and Professor, Faculty of Dentistry, Dalhousie University



Ondina Love CAE

Chief Executive Officer, Canadian Dental Hygienists Association



Leigha Rock DipDH, BDSc, PhD

Director, School of Dental Hygiene, Faculty of Dentistry, Dalhousie University



Paul Major DDS, MSc, FRCD(C)

Professor and Chair, School of Dentistry. Senior Associate Dean, Dental Affairs Faculty Medicine and Dentistry, University of Alberta



Barb Hamilton-Hinch PhD

Assistant Vice Provost Equity and Inclusion, Associate Research Scholar in Healthy Populations Institute, Associate Professor, Faculty of Health, Dalhousie University



Marsha A. Pyle DDS, MEd

Senior Chief, Knowledge, Engagement and Development
Senior Scholar in Residence
American Dental Education Association



Sachin Seth DDS, Med, FACD

Associate Dean of Academic Affairs, Faculty of Dentistry, Dalhousie University



Erin Steeves DDS

Clinical Instructor, Faculty of Dentistry, Dalhousie University



Lindsay Van Dam BA, DDH, MHS

PhD in Health Student, Faculty of Health
Research Assistant and Clinical Research Coordinator, Faculty of Dentistry
Emerging Leader, Healthy Populations Institute



Clare Champoux DDS

Clinical Instructor and Small Group Practice Leader, Faculty of Dentistry,
Dalhousie University



Doug Mackey DDS

Registrar, Provincial Dental Board of Nova Scotia

Symposia Details

Symposium #1

Title: Federal initiatives to support oral health in Canada.

Symposium description: This symposium will provide an overview of the Canadian Dental Care Plan (CDCP), which has been launched by the federal government. The symposium will involve three short presentations followed by a panel discussion with a moderator and the opportunity for audience engagement. The first presentation will be by the Chief Dental Officer of Canada and will provide the context and rationale for the CDCP, plus its overall goals. The second presentation will be by a representative of Health Canada and will provide a description of how the new Plan works and will touch on complementary investments, all of which aim to address oral health gaps among vulnerable populations and reduce barriers to accessing oral health care. This presentation will also discuss the expected outcomes of the Plan, and how they will be measured. The third presentation will be by a representative of Statistics Canada and will discuss the upcoming collection of oral health data through the Oral Health Statistics Program. Following these presentations, the moderator will facilitate questions from the audience on the topic and a discussion on how this new Plan and the various data sources discussed can support research opportunities.

Panelists:

James Taylor, Chief Dental Officer of Canada

Lindy VanAmburg, Health Canada

Jeff Latimer, Statistics Canada

Carlos Quinonez, Schulich School of Medicine & Dentistry, Western University

Symposium #2

Title: Learning opportunities for oral health trainees to develop innovative and sustainable solutions: perspectives from the Canadian Health Measures Survey

Symposium description: The ongoing Canadian Health Measures Survey (CHMS), cycle 7 investigates the oral and general health of a representative sample of the Canadian population aged 1 to 79. A broad range of data are collected from approximately 6000 participants including biological samples, clinical and physical measures and self-report indicators of demographics, psychosocial outcomes, behaviours, and health care utilization. The symposium will explore different aspects of this survey including its training component, which has allowed trainees in the field of oral health to enhance their skills to develop innovative and sustainable solutions in Canada. Presenters from diverse backgrounds will explain their perspectives on the unique partnership between Statistics Canada and the research team to train some of Canada's next generation of oral health researchers. This symposium will also help prepare the widest possible scientific community to use the forthcoming CHMS data to explore a range of research questions from oral microbiota to health and health care inequalities and the oral-systemic health continuum. We want Canada's current and future oral health care researchers to use these data to influence healthcare policies and improve health-related outcomes. This symposium, combining presentations, discussion and a panel, will provide key lessons and suggestions from four areas:

- The research team perspective: composition of the initial pan-Canadian research team and the current and future work to engage researchers for the next phases.
- The field work perspective: challenges and take-homes from clinical data collection at a population level including training and calibration of examiners and offering opportunity to dental and dental hygiene students across Canada to be on-site during the dry-run day to learn how clinical data are collected in Mobile Examination Centres and how dental examiners are trained and calibrated.
- The Statistics Canada perspective: developing and furthering a unique research training partnership in oral health that continues to evolve.
- The trainee perspective: the innovative CHMS oral health externship opportunity with Statistics Canada that has blossomed into sustained participation in cutting-edge research with the establishment of the Oral Health Section Unit.

Panelists:

Liran Levin, Professor of Periodontology, University of Alberta

Sonica Singhal, Assistant Professor, Program Director, Dental Public Health, University of Toronto

Yannick Fortin, Chief, Oral Health Statistics Program, Centre for Direct Health Measures, Statistics Canada

Faraz (Mohammed) Moharrani, PhD candidate and Dental Public Health Resident, Faculty of Dentistry, University of Toronto

Abby Hensel, Research Coordinator, Bruyère Research Institute and formerly MSc candidate, Schulich School of Medicine & Dentistry, Western University

Aimee Dawson, professeure agrégée, Faculté de médecine dentaire, Université Laval.

Symposium #3

Title: Student and Junior Faculty Research Presentations – Fundamental Research

Symposium description:

Presentation 1: Intercellular crosstalk in external inflammatory root resorption (Hadagalu Revana Siddappa, R.)

Presentation 2: Role of Oral Microbiome and Host Factors in Early Childhood Caries (Khan, W.)

Presentation 3: In Situ Antimicrobial Effect of DJK-5-containing Mouthwashes on Oral Biofilms (Liu, H.)

Presentation 4: The role of nociceptors in dental-derived stem cell-macrophage crosstalk in inflammation (Menon, N.)

Presentation 5: Prognosis of Head and Neck Cancer Outcomes Using Artificial Intelligence (Moharrami, M.)

Presentation 6: Oral Health Inequalities in Adolescents and Young Adults in Ontario (Rahman, M.
*presented by Limo, L.)

Presentation 7: Overexpression of PITX1 induces Dentinogenesis Imperfecta-like Phenotype in Transgenic Mice (Sartipi, M.)

Presentation 8: Dysfunctional Immuno-host Cell Crosstalk under LPS-induced and Hyperglycemia in Chronic Wounds (Sharma, S.)

Presentation 9: The Epigenetic Regulator ANKRD11 Controls Tooth Development (Yuan, M.)

Symposium #4

Title: Our National Oral Health Research Strategy: a discussion.

Symposium description: In June 2024, the first ever Canadian National Oral Health Research Strategy (NOHRS) will be published. The NOHRS is being co-developed in a Canadian and international context in which much is happening in the world of oral health. In Canada, the Canadian Health Measures Survey is on-going and will provide valuable data concerning the oral health of Canadians. Also, the federal government is about to launch the Canadian Dental Care Plan (CDCP), which will enable access to dental care for many in Canada who currently cannot afford dental care. On the international stage, the WHO has recently published its Global Oral Health Action Plan with a strong push for the integration of oral health care into general medical care and universal health coverage globally. On top of this, in the coming months, The Lancet Commission on Oral Health will publish its report.

In this context, the Institute for Musculoskeletal Health & Arthritis at CIHR initiated the co-creation of the NOHRS. Work was initiated in autumn 2022, resulting in a meeting in Ottawa in March 2023 involving a broad range of stakeholders. Input from that meeting was then circulated broadly in the oral health community to seek feedback, and invitations to participate in writing teams around identified research priority areas were distributed in spring 2023. Volunteers were organized into writing teams in the summer of 2023. During the autumn and winter of 2023-24 the NOHRS has been prepared and the draft will be broadly distributed in March 2024. Following that input, it will undergo final revisions and be published at the COHS. This symposium will present the NOHRS and then invited stakeholders are asked to comment on and react to it, while also providing the audience with an opportunity to ask questions and raise relevant points.

Panelists:

Leigha Rock, Co-chair NOHRS; Director, School of Dental Hygiene, Faculty of Dentistry, Dalhousie University

Nick Jakubovics, University of Newcastle, UK; Editor-in-Chief, Journal of Dental Research

Christine Chambers, Director, Institute of Human Development, Child and Youth Health, CIHR; Dalhousie University

Christophe Bedos, Directeur, Réseau québécois de recherche intersectorielle en santé buccodentaire et osseuse durable; Faculty of Dental Medicine & Oral Health Sciences, McGill University

Carol Guarnizo-Herreno, National University of Colombia; Co-Chair, Lancet Commission on Oral Health

Dawn Richards, Consultant, IMHA Patient Engagement in Research Strategy

Discussion moderated by Paul Allison, Co-chair NOHRS and Faculty of Dental Medicine & Oral Health Sciences, McGill University

Symposium #5

Title: Humanizing Oral Health Professional Education to Actualize Person-Centred Care

Symposium description: In healthcare, person-centered care has emerged as a transformative approach that underscores the importance of viewing patients as whole individuals. This paradigm shift moves beyond the traditional focus on treating medical conditions to encompass the unique circumstances, experiences, and needs of each person. This holistic ideology extends its influence into oral health care education, where educators have long recognized the necessity of embracing inter-professional health education and the collaboration between students and different health care professionals. In contemporary oral health science professional programs, educators aim to cultivate person-centered care by acknowledging the individual beyond their clinical condition, with the objective being to equip dental professionals with the skills to provide holistic care. Despite the inherent challenges (e.g., resources, degree of faculty receptance, or curricular structural barriers, etc.) in achieving this goal, its significance cannot be overstated. Emphasizing and integrating person-centred care for dental students and professionals is critical in modern healthcare, which is becoming more complex as the numbers of older patients and culturally diverse patients are increasing. The upcoming symposium will delve into this imperative, featuring three speakers who will explore perspectives on oral health sciences student well-being, the theory and practice of effective communication with patients, and the integration of grief literacy into dental curricula to humanize oral health professions. By addressing these facets, the symposium aims to contribute to the ongoing effort to foster person-centered care within oral health education, recognizing its profound impact on the quality and efficacy of healthcare delivery.

Panelists:

HsingChi von Bergmann, Faculty of Dentistry, University of British Columbia

Tala Maragha, Faculty of Dentistry, University of British Columbia

Laura Dempster, Faculty of Dentistry, University of Toronto

Mary Ellen Macdonald, Faculty of Medicine, Dalhousie University

Symposium #6

Title: Exploring the Relationship Between Oral Health and Frailty: Experiences Planning and Hosting a Research Priority Generating Workshop

Symposium description: The *Exploring the Relationship Between Oral Health and Frailty* workshop was held in Halifax, Nova Scotia on May 25 and 26, 2023. The goals for the workshop were to 1) identify research priorities pertaining to the intersection of oral health and frailty; and 2) build Canadian research capacity in oral health and frailty. Thirty people from 10 clinical and academic institutions across Canada attended the workshop. This pan-Canadian interprofessional group of researchers and knowledge-users (i.e., clinicians, educators, and patient partners) shared their expertise in food science and nutrition; dysphagia; geriatric and family medicine, and nursing; specialty and general dentistry, and dental hygiene; palliative care; frailty; epidemiology; health promotion; education; and bioethics. Moreover, the patient partners belong to equity-seeking groups, bringing unique perspectives based on diverse lived experiences. The workshop opened with state-of-the-science presentations on oral health, frailty, nutrition, mastication, and swallowing. During the remainder of the workshop, attendees participated in guided group activities to first discuss knowledge and practice gaps, and then to identify research priorities. To advance the understanding of the impact of frailty on oral health needs (and vice versa) and care for older adults, 13 research priorities, addressing four main overarching priority areas, were generated: oral health education and promotion, access to oral health care for frail older adults, opportunities to leverage existing large data sets for research and need for research funding. The purpose of this symposium is to share the results of the *Exploring the Relationship Between Oral Health and Frailty* workshop, including 'lessons learned' while planning the workshop, acquiring funding, and ensuring meaningful participation from all attendees; the research priorities generated; and the plan for ongoing engagement with and between attendees.

Panelists:

Rebecca Affoo, School of Communication Sciences and Disorders, Faculty of Health, Dalhousie University

Shauna Hachey, School of Dental Hygiene, Faculty of Dentistry, Dalhousie University

Catriona Steele, KITE Research Institute - Toronto Rehabilitation Institute - University Health Network

Betty Wiswell, Patient partner

Symposium #7

Title: Navigating the future of oral health workforce in the era of the Canadian Dental Care Plan

Symposium description: The last national study of human resources in the oral health care sector in Canada was conducted in three phases between 1999 and 2005. A lack of valid data to populate the model that had been developed in the first phase of the study prevented the accomplishment of the main objective of the last phase of the study, which was supporting the emergence of a more effective human resource planning environment for the oral health care sector. In the absence of such a planning environment, measures intended to address human resources issues in other health care sectors are being inappropriately applied to the oral health care sectors, resulting in an imbalance in the human resources available for the delivery of oral healthcare. That imbalance was magnified by the COVID-19 pandemic, resulting in dentists having to cancel appointments because they are unable to recruit dental hygienists and assistants in sufficient numbers.

As the launch of the new Canadian Dental Care Plan is heightening concerns about the availability of the human resources in the oral health care sector, this symposium will discuss currently available sources of information, how they can be used for the development of evidence-informed human resource policies, and actions that can be taken to promote the emergence of a more effective human resource planning environment for the oral health care sector.

Panelists:

Ondina Love, Chief Executive Officer, Canadian Dental Hygiene Association

Sylvie Martel, Director of Dental Hygiene Practice, Canadian Dental Hygiene Association

Benoit Soucy, Chief Knowledge Officer, Canadian Dental Association

Symposium #8

Title: Community-engaged research experiences with priority populations in Canada

Symposium description: In Canada, challenges continue to exist in addressing the unmet oral healthcare needs of equity-deserving populations. This includes seniors, children, low-income populations, people with special needs, 2SLGBTQQA+ communities, people on social welfare, people experiencing homelessness, Indigenous people, new immigrants, refugees and others. While Canada's overall oral healthcare measures rank above average compared to developed countries worldwide, inequities in oral care persist. Vulnerable populations situated at the lower end of the social gradient face unique and complex access to oral healthcare challenges primarily attributed to social determinants of health. The Canadian Health Measures Survey revealed poor self-perceived oral health for those without access to regular dental care, signaling the importance of access to safe and patient-centred oral care in improving oral health outcomes. Community-engaged research seeks to reduce health disparities by meaningfully involving those communities or populations it intends to reach. Speakers from three Canadian dental schools will share their community-engaged research experiences. This symposium will offer a comprehensive overview of best practices, ethical considerations and innovative methodologies that foster symbiotic collaborations, empower participants and communities, and co-create knowledge that addresses pressing issues faced by above mentioned populations.

Panelists:

Amrinderbir Singh, College of Dentistry, University of Saskatchewan.

Michelle Siqueira, College of Dentistry, University of Saskatchewan.

Abbas Jessani, Schulich School of Medicine and Dentistry, Western University.

Maryam Amin, Faculty of Medicine and Dentistry, University of Alberta

Symposium #9

Title: Harnessing Complex and Multimodal Data to Advance Canadian Population Oral Health Research: The Future is Now

Symposium description: The use of complex and multimodal data analytics for population oral health research is a growing area of interest and study. The use of emerging national datasets, administrative data and electronic health records (EHRs), tied with the application of innovative methods such as machine learning and predictive modeling, all provide promise for expanding the use of such data to address oral health research questions. This symposium will spotlight the power of harnessing Canadian oral health datasets, administrative data and EHRs to explore patterns, associations and possibly trends in oral health and oral health inequalities in various populations. The symposium will start with an introduction to speakers and topics. The first presentation will highlight the major Canadian national datasets, the strengths, and limitations of their oral health attributes, and how they compare to other datasets at the international level. The second presentation will discuss recent findings from national surveys that combine social and biological data to characterize common risk factors and pathways to oral health and related non-communicable chronic conditions in Canada's older population. The third presentation will delve into findings from studies using national datasets and EHRs to understand oral health inequalities as well as the role of oral health in chronic disease management. The fourth talk will discuss the use of innovative computational approaches for complex and multimodal data in oral health. Finally, there will be a session for a moderated discussion between the participants and speakers/panelists.

Panelists:

Kim McGrail, Centre for Health Services and Policy Research, University of British Columbia

Noha A. Gooma, Schulich School of Medicine & Dentistry, Western University

Julie W. Farmer, Faculty of Dentistry, University of Toronto

Sreenath A Madathil, Faculty of Dental Medicine & Oral Health Sciences, McGill University

Symposium #10

Title: What can public dental care achieve and what are its limits? A discussion.

Symposium description: The aim of this symposium is to engage the audience in a discussion over the potential and actual contributions of public dental care to oral health and inequalities in oral health in Canada and elsewhere in the world. The symposium will start with a presentation by a representative of the Oral Health Program at the WHO discussing the recently published Global Oral Health Action Plan (GOHAP) as well as the broad push for Universal Health Coverage (UHC) globally by the WHO. We will then have a presentation from a member of the Health Policy Unit at the American Dental Association providing analyses of the benefits of public dental care among different populations in the USA. Finally, there will be a presentation by a Canadian expert on the current state of oral health and inequalities in oral health in Canada and how the new Canadian Dental Care Plan (CDCP) may help reduce inequalities in improve Canadians' oral health. Following these presentations, there will be a panel discussion including audience participation to discuss the topic.

Panelists:

Carolina Hommes, WHO PAHO (Pan American Health Organization) Oral Health Program,
Marko Vujicic, ADA, Health Policy Institute

Noha Gomaa, Schulich School of Medicine & Dentistry, Western University

Discussion moderated by Paul Allison, Faculty of Dental Medicine & Oral Health Sciences, McGill University

Symposium #11

Title: Cultivating Equity, Diversity, and Inclusivity in Dental Education: Narratives from Four Canadian Dental Schools.

Symposium description: Equity, Diversity, and Inclusion (EDI), along with the integrated principles of Decolonization and Indigenization (DI), stand as essential pillars in the delivery of dental care in Canada and worldwide. Ongoing efforts toward eliminating systemic racial discrimination towards Indigenous and Black, recognizing the diverse landscape shaped by immigration, the wide focus on gender and sex disparities, and the recent introduction of the National Dental Plan show the crucial role of EDI in dental education.

The incorporation of EDI-DI in dental curriculum not only enriches the learning experience of our learners but also contributes to a holistic understanding of oral health disparities while cultivating cultural humility.

This symposium will delve into the innovative teaching methodologies applied by Canadian dental schools, encompassing case studies, didactic delivery, small group learning, patient care, oral health outreach, and global health service learning to promote EDI-DI within their institutions. A key focus of this symposium will be the exploration of experiential learning opportunities, including active community engagement initiatives with diverse and equity-seeking communities within Canadian provinces. Additionally, this symposium will highlight the impact of interprofessional collaboration with various primary care providers fostering person-centered care within the realm of EDI-DI. Furthermore, the symposium will address the incorporation of artificial intelligence (AI) in health and oral health provision, discussing its strengths and limitations in conjunction with the integration of EDI-DI.

In conclusion, our symposium will cover innovative approaches, demonstrating how the Canadian dental curriculum can effectively prepare future oral health professionals to navigate the complexities of a multicultural and multi-faceted society.

Panelists:

Abbas Jessani, Schulich School of Medicine and Dentistry, Western University

Amrinderbir Singh, College of Dentistry, University of Saskatchewan

Anuradha Prakki, Faculty of Dentistry, University of Toronto

Elham Emami, Faculty of Dental Medicine and Oral Health Sciences, McGill University

Symposium #12

Title: Student and Junior Faculty Research Presentations – Applied Research

Symposium description:

Presentation 1: Multimorbidity Increases Periodontal Disease in Older Canadians (Abbas, A.)

Presentation 2: Application of Deep Learning Models in Children Dental Anxiety Assessment (Adabdokht, R.A.)

Presentation 3: Pediatric TMJ disc identification and displacement classification with machine learning (Almeida, F.)

Presentation 4: The Causal Effect of Human-Papillomavirus Vaccination on Head-and-Neck Cancer Risk (Amure, M.)

Presentation 5: Breaking Barriers: Initiatives for Dental Care Access in Immigrant Children (Bohlouli, S.)

Presentation 6: The Societal Costs and Benefits of a Comprehensive Dental Care Program (Ghoneim, A.)

Presentation 7: Adverse childhood experiences and co-occurring poor oral health and multimorbidity (Hensel, A.)

Presentation 8: Barriers Impeding Implementing the Canadian CRA Tool in Indigenous Communities (Olatosi, O.)

Presentation 9: Bitter Taste Genetics and Oral Health in Canadian Adults (Shafizadeh, M.)

Workshop Details

The Canadian Health Measures Survey (CHMS) data user workshop: Spotlight on oral health

Dr. Aimee Dawson and Statistics Canada

This workshop is intended to:

- a) show users where to find and how to navigate sources of information about the CHMS,
- b) help users understand what, why and how various aspects of the survey design need to be considered and incorporated when analyzing the data
- c) provide users with best practices when analyzing the data and
- d) provide an overview of the oral health component, past and present, including hands-on examples of analyzing the oral health data

Vision for sustainable virtual oral health care

Dr. Pascaline Kengne Talla

Overall goal of workshop: The purpose of this half-day workshop is to bring together a range of stakeholders including patient partners/ community organization representatives, oral health care providers, dental trainees, researchers and policy/decision-makers, to draw on the research evidence to identify gaps and research priorities, and to suggest an outline plan for care, education/training and research settings pertaining to the delivery of sustainable virtual oral health care.

Patient and Public Engagement 101

CIHR-IMHA, Dr. Dawn Richards

This interactive workshop will help participants understand the basics of engaging patients and the public as research partners, as well as help them consider how to put these fundamentals into practice. Patient and public partners will share some of their own experiences as research partners and engage participants in a learning exercise where they will develop their own patient and public engagement plans for a hypothetical research project.

How to Get Published

Dr. Belinda Nicolau

The workshop is designed to help participants understand the ins and outs of academic publishing. It will provide practical tips on submitting your work successfully. Whether you are a student or a junior researcher, the goal is to share useful strategies so that you can confidently present your work to the academic community.

Beyond the Surface: Analyzing Oral Health Data and Outcomes

NCOHR

The workshop's primary emphasis will be on addressing learning strengths, obstacles and potential solutions for analyzing oral health data and outcomes, as well as obtain the appropriate understanding. The anticipated outcomes are:

- Learn the potential data sources, strength, obstacles, and possible solutions for improving oral health care data in order to evaluate the effectiveness of the new oral health care planning.
- Gain insights focused on reducing barriers for patients and healthcare professionals.
- Learn the best methods for combining data and to promote internal validity.
- Obtain practical insights aimed at comprehending the impact of the new program on health inequalities and health inequities.
- An Advisory Group within NCOHR will be established to address this critical data issue, with a focus on generating relevant valid data, especially among individuals at higher risk.
- A white paper summarizing the workshop results and recommended next steps for the oral health research community.

Public Health Lunch & Lightning Talks

Sonica Singhal (University of Toronto)

Carol Guarnizo-Herreno (National University of Colombia)

James Taylor (Chief Dental Officer of Canada)

Dawn Richards (CIHR-IMHA patient-Engagement Consultant)

Nick Jakubovics (Newcastle University & JDR Editor-in-Chief)

Cyerra Powder (Canadian Dental Therapists Association)

Kim McGrail (University of British Columbia & Health Data Research Network Canada)

An-Wen Chan (University of Toronto & IMHA Advisory Board)

Bob Schroth (University of Manitoba)

Amrinderbir Singh (Canadian Association of Public Health Dentistry)

Belinda Nicolau (Canadian Association of Dental Research)

Ana Velly (Network for Canadian Oral Health Research)

Glossary

AADOCR: American Association for Dental, Oral, and Craniofacial Research
ACCORD: ACcurate COnsensus Reporting Document (ACCORD) project
ACFD: Association of Canadian Faculties of Dentistry
CADR: Canadian Association for Dental Research
CADTR: Canadian Alliance of Dental Technology Regulators
CAHS: Canadian Academy of Health Sciences
CAPHD: Canadian Association of Public Health Dentistry
CBPR: Community-Based Participatory Research
CDA: Canadian Dental Association
CDAA: Canadian Dental Assistants Association
CDAC: Commission on Dental Accreditation of Canada
CDHA: Canadian Dental Hygienists Association
CDRAF: Canadian Dental Regulatory Authorities Federation
CDTA: Canadian Dental Therapists Association
CHMS: Canadian Health Measures Survey
CIHR: Canadian Institutes of Health Research
CSDH: Canadian Society for Disability and Oral Health
DAC: Denturists Association of Canada
DDS: Doctor of Dental Surgery
DipDH: Diploma in Dental Hygiene
DMD: Doctor of Medicine in Dentistry
FCDSA: Federation of Canadian Dentistry Student Associations
FDI: FDI World Dental Federation
FRCDC: Fellow of The Royal College of Dentists of Canada
IADH: International Association for Disability and Oral Health
IADR: International Association of Dental Research
ICOH: Inter-Country Center for Oral Health for Africa
IDAC: Indigenous Dental Association of Canada
IMHA: Institute of Musculoskeletal Health and Arthritis
MPH: Master of Public Health
NCOHR: Network for Canadian Oral Health Research
NDEB: National Dental Examining Board of Canada
NIDCR: National Institute of Dental and Craniofacial Research
OCDOC: Office of the Chief Dental Officer of Canada
NIH: National Institutes of Health
PERA: CIHR-IMHA Patient Engagement Research Ambassador team
PHAC: Public Health Agency of Canada
PSAC: Public Service Alliance of Canada
RCDC: Royal College of Dentists of Canada
RCT: Randomized Controlled Trial
RSBO: Réseau de recherche en santé buccodentaire et osseuse/Bone and Oral Health Research Network
WHO: World Health Organization

Committees

Organization	Scientific Committee	Logistics Committee
Dalhousie	Ben Davis	Ben Davis Catherine Lyle Cynthia LeClair Pascale Khalife
ACFD	Paul Allison	Paul Allison Kristjana Oliver
CADR	Belinda Nicolau Anil Kishen	Melissa O'Connor
NCOHR	Ana Velly Petros Papagerakis Maryam Amin	Ana Velly Iona Worden-Driscoll
IMHA	Karim Khan Hetty Mulhall	Hetty Mulhall
Trainee Reps	Paras Ahmad Maryam Zanjir	

Contact

Key Contact: Association of Canadian Faculties of Dentistry (ACFD)



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