

# Modelling the Interaction of Multidimensional Risk Factors in Caries Disparity:

## NCOHR Team Building Workshop

SEPTEMBER 19-20, 2014  
MONTREAL

Marriott Château Champlain, room Neufchatel  
1, Place du Canada, Montréal, QC, Canada H3B 4C9



## **PURPOSE OF THE WORKSHOP**

This two-day multidisciplinary workshop is organised to facilitate the development of a new, multi-disciplinary collaborative team of scientists with expertise in oral health and caries research, clinical psychology, nutrition, social work, health literacy, health policy and health services research, and community-oriented Aboriginal research. The team is complemented as well by community-based oral health and primary care providers, such as family physicians, communities' stakeholders and public health policy makers along with research scholars.

## **OBJECTIVES**

1. Exchange knowledge on multidimensional modelling of caries disparities and to identify caries disparity research gaps and needs;
2. Discuss innovative strategies and interventions targeting aspects of caries disparity that can be controlled by stakeholders, decision makers and primary health care providers and attract external funding;
3. Develop strategic national and international interdisciplinary participatory action research partnerships in the caries disparities field, which would strengthen research capacity and provide mentored training opportunities for graduate students, postdoctoral fellows and junior faculty members.

## **WORKSHOP THEMES**

1. Epidemiology, prevention and intervention of caries in disadvantaged children populations.
2. Bio-Socio-psychological pathways contributing to risk for caries and general health.
3. Participatory approaches in seamless integration of oral health and primary health care.
4. Challenges and opportunities related to conducting research, implementing effective interventions, and enabling knowledge transfer.
5. Planning and designing of a collaborative pilot study.

AGENDA

FRIDAY, SEPTEMBER 19<sup>TH</sup>

8:00 – 8:30 REGISTRATION AND BREAKFAST

**8:30 – 8:50 Introductions and welcoming remarks**

Elham Emami, Associate Prof, Faculty of Dentistry, Université de Montréal  
Arlette Kolta, Director, Quebec Network for Oral and Bone Health Research

**8:50 – 9:10 Epidemiology of dental caries and its burden for different populations**

Vita Machiulskiene, Professor, Faculty of Odontology, Lithuanian University of Health Sciences; President-elect, European Organisation for Caries Research

**9:10 – 9:40 Oral health status of immigrant and refugee children in North America**

Amir Azarpazhooh, Assistant Prof, Faculty of Dentistry, University of Toronto  
Maryam Amin, Associate Prof, School of Dentistry, University of Alberta

**9:40 – 10:00 Interventions for caries control in disadvantaged populations**

Herenia Lawrence, Associate Prof, Faculty of Dentistry, University of Toronto

**10:00 – 10:20 Self-determination theory guided oral hygiene intervention in adolescents**

Jolanta Aleksejuniene, Assistant Prof, Faculty of Dentistry, University of British Columbia

**10:20 – 10:40 Discussion**

10:40 – 11:00 BREAK

**11:00 – 11:15 Conceptual model of dental caries in children**

Svetlana Tikhonova, Postdoctoral fellow, Faculty of Dentistry, Université de Montréal

**11:15 – 11:35 Role of psychosocial factors in caries risk, US experience**

Woosung Sohn, Associate Prof, School of Dental Medicine, Boston University

**11:35 – 11:55 Impact of early life stress on mental and physical health, and underlying biological mechanisms**

Linda Booij, Assistant Prof, Queen's University; Researcher, CHU Sainte-Justine, Université de Montréal

**11:55 – 12:15 Discussion**

12:15 – 13:15 LUNCH

**13:15 – 13:35 Food literacy as a sub-set of health literacy, implications for oral health**

Doris Gillis, Associate Prof, Human Nutrition Department, St Francis Xavier University, Nova Scotia

**13:35 – 13:55 No Jordan's Principle's cases in Canada? Governmental response to disparities in access to health and social services for First Nations people**

Vandna Sinha, Assistant Prof, School of Social Work, McGill University

**13:55 – 14:15 Poverty measurements and financial capability using national surveys**

David Rothwell, Assistant Prof, School of Social Work, McGill University

**14:15 – 14:35 Participatory approaches addressing poverty and oral health**

Christophe Bedos, Associate Professor, Faculty of Dentistry, McGill University

**14:35 – 14:55 Building partnerships in First Nations research**

Travis Holyk, Director of Research and Policy Development, University of Northern BC, Prince George  
Henry Harder, Professor, School of Health Sciences, University of Northern BC, Prince George

14:55 – 15:10 BREAK

**15:10 – 15:30 Integration of oral health care and primary care**

Elham Emami, Associate Prof, Faculty of Dentistry, Université de Montréal  
Felix Gerard, Assistant Prof, Faculty of Dentistry, Université de Montréal

**15:30 – 15:50 Discussion**

## Panels: Building the team

The representatives of each panel will give insights into the development of an interdisciplinary research team, priorities, challenges and gaps to address caries disparities in vulnerable communities. The discussion will be encouraged by the active participation of the workshop participants.

### 15:50 – 16:05 Panel 1: Decision makers and stakeholders

John Wooton, Professional services, Pontiac County, Quebec  
Martin Chartier, Public Health Agency of Canada  
Jill Torrie, Cree Board of Health and Social Services of James Bay, Quebec  
Travis Holyk, University of Northern BC

### 16:05 – 16:20 Panel 2: Researchers from various disciplines

Vandna Sinha, McGill University  
Henry Harder, University of Northern BC  
Doris Gillis, St Francis Xavier University  
Linda Booij, Queen's University

### 16:20 – 16:35 Panel 3: Dental public health researchers

Vita Machiulskiene, Lithuanian University of Health Sciences  
Woosung Sohn, Boston University  
Herenia Lawrence, University of Toronto  
Maryam Amin, University of Alberta

### 16:35 – 16:40 Workshop closure, Day 1

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18:00 DINNER

## SATURDAY, SEPTEMBER 20<sup>TH</sup>

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8:30 - 9:00 BREAKFAST

Theme: Planning and designing of a pilot study and writing of a collaborative grant application

9:00 – 9:20 **Grants opportunities** (Celine Bouvet & Sophie Gauthier-Clerc, BRDV, Université de Montréal)

9:20 – 10:20 **Round tables**

Drafting an abstract of a potential interdisciplinary project

10:20 - 11:20 **Reports of the potential projects by each group (10 min per group)**

11:20 – 11:40 **Discussion**

11:40 – 12:00 **Conclusions, evaluation of the workshop and group photos**

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12:00 LUNCH

## WORKSHOP FACILITATORS

Dr. Elham Emami, Faculty of Dentistry, Université de Montréal

Dr. Linda Booij, Department of Psychiatry, Université de Montréal

Dr. Svetlana Tikhonova, Faculty of Dentistry, Université de Montréal