



Winter 2014

January

13 January, 2014

[Marcel A. Behr](#), Microbiologist-in-Chief, McGill University Health Centre

Topic: *Molecular epidemiology of TB in Quebec*

Objectives:

- 1) to describe the epidemiology of TB in Quebec
- 2) to highlight situations where molecular typing methods provide additional information about TB transmission
- 3) to present the findings of a series of completed and ongoing molecular epidemiology studies on TB at McGill

20 January, 2014

[Brett D. Thombs](#), William Dawson Scholar and Associate Professor, McGill University - Senior Investigator, Lady Davis Institute for Medical Research, Jewish General Hospital

Topic: *Should physicians screen for depression in medical settings? Evidence on depression screening and its components.*

Objectives:

- 1) describe current recommendations related to depression screening
- 2) present evidence that has been used for and against depression screening recommendations
- 3) evaluate whether implementation of depression screening would likely benefit patients in their clinical setting

[Presentation file](#)



27 January, 2014

Christel Renoux, Assistant Professor, Dept. of Neurology & Neurosurgery, McGill University
Centre For Clinical, Jewish General Hospital Lady Davis Research Institute

Topic: *Anti-epileptic drugs and the risk of cardio- and cerebrovascular events*

Objectives:

- 1) to describe the current knowledge regarding the risk of vascular events associated with anti-epileptic drugs
 - 2) to discuss methodological issues faced in this context
 - 3) to present findings of a population-based cohort study assessing the risk of vascular events associated with various anti-epileptic drugs
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February

3 February, 2014

Ernest Lo, Adjunct professor, Department of Epidemiology, Biostatistics and Occupational Health, McGill University; Research scientist, Institut national de santé publique du Québec.

Topic: *Projection Scenarios of Obesity (2011-2030) For Public Health Planning in Quebec.*

Objectives:

- 1) to describe projection analyses of obesity prevalence for Quebec.
- 2) to describe the construction of projection scenarios and to discuss issues of method and interpretation.
- 3) to estimate using projection results: the component of change amenable to intervention, feasible obesity targets and future impact on chronic diseases.

10 February, 2014



Michael Zappitelli, Assistant Professor in Pediatrics & Director, Dialysis & Apheresis, Montreal Children's Hospital; Associate Member, Department of Epidemiology, Biostatistics and Occupational Health and Division of Experimental Medicine, McGill University

Topic: *Epidemiology, diagnosis and outcomes of acute kidney injury after pediatric cardiac surgery: from knowing almost nothing to almost something.*

Objectives:

- 1) Appreciate how knowledge on the incidence and outcomes of pediatric acute kidney injury has advanced and continues to advance, thanks to standardized definition of the disease.
- 2) Gain a global understanding of the need for new diagnostic markers of acute kidney injury and what research has been done to date.
- 3) Appreciate the methodological challenges associated with doing clinical research in children, when little data are available.

17 February, 2014

Patricia Bruijning-Verhagen, Pediatrician Epidemiologist. Julius Centre for Health Sciences, University Medical Centre Utrecht, the Netherlands

Topic: *Google trends as novel surveillance tool to study rotavirus epidemiology*

Objectives:

- 1) To describe rotavirus epidemiology pre- and post-implementation of rotavirus vaccination programs
- 2) Describe how google trends data are synthesized
- 3) Discuss possible use of google trends as surveillance tool and associated methods of analyses

24 February, 2014

Shelley Clark, Canada Research Chair in Youth, Gender and Global Health and Associate Professor of Sociology, McGill University.



Topic: Further evidence that family structures impact health: The case of single motherhood and child mortality in sub-Saharan Africa

Objectives:

- 1) estimate national differences in rates of premarital and postmarital single motherhood in sub-Saharan Africa
 - 2) explore links between single motherhood and child mortality
 - 3) assess contextual effects of single motherhood's impact on child mortality
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March

3 March, 2014

No Seminar – STUDY WEEK

10 March, 2014

Richard Martin, Professor of Clinical Epidemiology in the School of Social and Community Medicine, University of Bristol

Topic: *State of the art prostate cancer screening*

Objectives:

- 1) provide an overview of the current controversies surrounding prostate cancer screening
- 2) discuss options for stratified screening
- 3) discuss developments in management options for screen detected disease

17 March, 2014

Suzana Anjos, Responsable, Affaires Scientifiques, innovation et développement Projet CARTaGENE, CHU-Ste-Justin



Catherine Boileau, Epidemiologist, Département de Médecine Social et Préventive, Université de Montréal

Topic: *The CARTaGENE cohort: a deeply phenotyped public resource of samples and data for tracking population health in Quebec*

Objectives:

- 1) Provide and disseminate information about the contents of the cohort and the policies for accessing the resource.
- 2) Increase awareness for the kinds of projects that use the resource.
- 3) Communicate the latest findings of the research carried out within the scientific arm of CARTaGENE.

24 March, 2014

Christian Rochefort, Ph.D., Assistant Professor, Ingram School of Nursing & Associate Member, Division of Clinical Epidemiology, McGill University. Chercheur-boursier junior 1, FRQ-S

Topic: *Improving patient safety in acute care hospitals by optimizing the use of human resources*

Objectives:

- 1) Describe the limitations of the current adverse event detection and staffing methods in acute care hospitals;
- 2) Illustrate how health informatics methods can be used for accurately detecting adverse events in acute care hospitals;
- 3) Describe how research methods in pharmacoepidemiology can be adapted to optimize the use of human resources and minimize the risk of adverse events in acute care hospitals.

31 March, 2014

Nil Basu, Canada Research Chair (CRC) in Environmental Health Sciences; Associate Professor, Faculty of Agricultural and Environmental Sciences, McGill



Topic: *Public Health Risks and Benefits of Fish Consumption*

Objectives:

- 1) discuss exposure assessment strategies for methylmercury, with an emphasis on biomarkers and inter-individual variation
 - 2) provide an overview of gene-environment interactions (focus: genetic polymorphisms and epigenetics) and how such information is crucial in risk assessment and decision-making
 - 3) increase understanding of why the presence of contaminants in fish has resulted in a public health dilemma, from the local to global levels
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April

7 April, 2014 ***SEMINAR CANCELLED - ELECTION DAY*******

Lisa Bero, Ph.D., Professor of Clinical Pharmacy and Health Policy, University of California, San Francisco Co-Chair, The Cochrane Collaboration

Topic: *Hidden and not so hidden biases in drug studies*

Objectives:

- 1) To describe how drug studies can be biased at different stages of a clinical trial
- 2) To describe the association of industry funding for drug studies with different types of bias
- 3) To understand mechanisms for reducing bias in drug trials and downstream sources of evidence, such as systematic reviews