



**McGill**

Department of  
**Epidemiology, Biostatistics  
and Occupational Health**



**EPIDEMIOLOGY SEMINAR SERIES**  
**Winter 2015**

**\*\*THE DEPARTMENT OF EPIDEMIOLOGY, BIostatISTICS AND OCCUPATIONAL HEALTH, - SEMINAR SERIES IS A SELF-APPROVED GROUP LEARNING ACTIVITY (SECTION 1) AS DEFINED BY THE MAINTENANCE OF CERTIFICATION PROGRAM OF THE ROYAL COLLEGE OF PHYSICIANS AND SURGEONS OF CANADA\*\***

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**Responsable, Affaires Scientifiques, innovation et développement Projet CARTaGENE,  
CHU-Ste-Justine**

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

**Monday, 16 February 2015**

**4:00 pm - 5:00 pm – McIntyre Medical Building**

**3655 promenade Sir William Osler – Palmer Amphitheater – Rm 522**

**ALL ARE WELCOME**

**SYNOPSIS:**

CARTaGENE is the largest population cohort of Quebec. It is an infrastructure consisting of a large databank and biobank, with regulatory oversight and governance. We have recruited 40 000 individuals representing 6 metropolitan regions of the province into the program and collected detailed lifestyle, health and medical data on these individuals, and detailed physical measurements, clinical and biochemical measures. We have also collected whole blood, urine and have DNA and RNA available for the participants. The cohort is not disease-specific and captures a representative cross-section of the disease-spectrum in the population. We have conducted detailed nutrition surveys on a subset of the participants and an environmental survey, which includes full residential information and 6-digit postal code resolution. CARTaGENE is the Quebec representative of nation-wide cohort, the Canadian Partnership for Tomorrow Cohort (CPTP), which includes 5 regional cohorts (BC, Alberta, Ontario and the Atlantic provinces), with the aim of collecting 300 000 samples from the population. Harmonization efforts are underway and 70% of the collected variables are harmonized between the cohorts. CARTaGENE is the only cohort open for access, and is fully operational since 2010. It has granted access to nearly 20 projects since 2010.

**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

<http://www.mcgill.ca/epi-biostat-occh/seminars/epidemiology/>

**BIO:**

Dr. Suzana Anjos obtained her PhD at McGill University in Human Genetics with a focus on the genetics of diabetes and went on to pursue a fellowship on drug targeting and hit-to-lead validation in Cystic Fibrosis translational research at the Cystic Fibrosis Translational research center (McGill/GlaxoSmithkline). She coordinates sample and data access at CARTaGENE and is the Director of Scientific Affairs.