# The Department of Community Health Sciences and The Calgary Institute for Population and Public Health

# SEMINAR

## Presenter:

### Dr. Nadine Schuurman
Department of Geography, Simon Fraser University

## Title:
Geographic systems and population health research: examples from spatial injury surveillance

GIS is a means of mapping and organizing health data. However GIS can also be used to analyze patterns of access to care, the relationship between socio-economic status and health outcomes, and environmental correlates with disease. This talk uses the example of injury to describe applications of GIS in spatial epidemiology.

Dr. Schuurman is a Professor of Geography at Simon Fraser University and a Michael Smith Foundation for Health Research Scholar who works at the intersection of GIS and health informatics. Her lab investigates a range of issues that fall under the rubric of **spatial epidemiology**. This includes calculating spatial access to health services, the relationship between socio-economic status and health outcomes, environmental correlates with health, and global health. She wants to understand how different health events from injury to maternity to palliative care are affected by spatial variables and contexts.

## Objectives:

1. Understand the capacity of geographic information system to enhance population health and health services research
2. Learn about the relationship between the built urban environment and risk of injury.
3. Understand variations in spatial access to definitive care across Canada.

**This event is an accredited group learning activity as defined by the
Maintenance of Certification Program of
The Royal College of Physicians and Surgeons of Canada**

**Date:** Friday, November 25, 2011
**Time:** 12:00 to 12:50 P.M.
**Place:** G500 – Health Sciences Centre, 3330 Hospital Drive NW

After the seminar, you are invited for coffee and cookies in the lunch room on the third floor of the TRW building.

**This seminar is also available via an online Elluminate session:**

To attend the seminar from another location via your computer, click on the Join Session link:
https://elluminate.ucalgary.ca:443/join_meeting.html?meetingId=1276147924008

At the login prompt, enter your email address and enter your first and last name for the display name. This session does not require a password to join - please leave this field blank. You may join the session 60 minutes prior to the start time. It is advisable to test your audio before the seminar starts.