



**The O'Brien Institute for Public Health &
the Department of Community Health Sciences present:**

Techniques, theory, and practice for a spatial turn in health research

Speaker: Michael Goodchild

Friday, February 26th 2016 - 12:00 to 12:50 p.m.

G500 – Health Sciences Centre, 3330 Hospital Drive NW, Calgary

The presentation will introduce the various ways in which space and a spatial perspective inform health research, starting with John Snow and epidemiology and then moving on to spatial metrics of health care delivery, spatial variation in availability and costs of care, spatial targeting of health interventions, the exposome, and relationships between urban form and health. Each of these points in various ways to methods of spatial representation, spatial analysis, agent-based modeling, and other aspects of a spatial perspective.

Michael F. Goodchild is Emeritus Professor of Geography at the University of California, Santa Barbara, where he also holds the title of Research Professor. He also holds an affiliate appointment in the Department of Geography at the University of Washington. Until his retirement in June 2012 he was Jack and Laura Dangermond Professor of Geography, and Director of UCSB's Center for Spatial Studies. He received his BA degree from Cambridge University in Physics in 1965 and his PhD in geography from McMaster University in 1969, and has received five honorary doctorates. He was elected member of the National Academy of Sciences and Foreign Member of the Royal Society of Canada in 2002, member of the American Academy of Arts and Sciences in 2006, and Foreign Member of the Royal Society and Corresponding Fellow of the British Academy in 2010; and in 2007 he received the Prix Vautrin Lud. He was editor of *Geographical Analysis* between 1987 and 1990 and editor of the Methods, Models, and Geographic Information Sciences section of the *Annals of the Association of American Geographers* from 2000 to 2006. He serves on the editorial boards of ten other journals and book series, and has published over 15 books and 500 articles. He was Chair of the National Research Council's Mapping Science Committee from 1997 to 1999, and of the Advisory Committee on Social, Behavioral, and Economic Sciences of the National Science Foundation from 2008 to 2010. His research interests center on geographic information science, spatial analysis, and uncertainty in geographic data.

Objectives:

1. To identify the various aspects of health research that are informed and enabled by a spatial perspective
2. To introduce students to methods of spatial research, including spatial representation, spatial analysis, and agent-based modeling
3. To introduce the concept of critical spatial thinking, and to identify some of the issues that arise in the spatial turn

This event 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. After the seminar, you are invited for continued discussion over coffee and cookies. **This seminar is also available via an online AdobeConnect session:** To attend the seminar from another location via your computer, click on this link:

<https://connectmeeting.ucalgary.ca/oiph-feb26-16/>

Enter as a guest. You may join the session at any time. It is advisable to test your audio before the seminar starts. The AdobeConnect session will be archived and accessible for later viewing at:

<https://www.obrieniph.ucalgary.ca/events/chsobrien-institute-seminar-series>