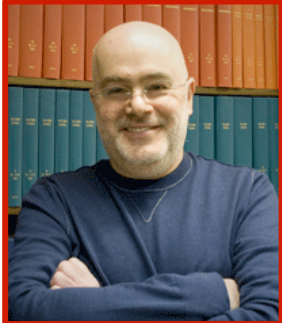




**McGill University Research Centre on Complex Traits - MRCCT  
EXCELLENCE IN GENETICS & IMMUNOLOGY  
SEMINAR SERIES**



**Dr. Alexander V. CHERVONSKY, PhD**

Professor & Chairman, Committee on Immunology;  
Department of Pathology, University of Chicago;  
Donnelley Biological Sciences Learning Center (BSLC)

**Title: "Host-commensal symbiosis"**

**Wednesday, April 5, 2017**

***Martin Amphitheater | Room 504, 4:00 PM***

*McIntyre Medical Sciences Building*

Commensal microbes constitute an irreplaceable part of most metazoan organisms. Their role in provision of essential nutrients and resistance to colonization by pathogens are two most significant functions. However, many aspects of host-commensal interactions are less appreciated and less understood.

The purpose of my presentation is to highlight these areas of research and to provide some evidence for new concepts that we promote.

Those include:

- The role of commensal microbiota in the gender dimorphism of immune responses using autoimmunity as an example;
- Role of microbiota-dependent and microbiota-independent mechanisms in diet-related susceptibility to autoimmunity;
- Role of host genetics in shaping commensal communities;
- New mechanisms maintaining host-commensal symbiosis during pathogen-induced stress.

***This seminar is mandatory for Biochemistry Graduate students***

**LOCATION:** McIntyre Medical Sciences Building, Room #504, 4:00 PM

**HOSTED BY:** McGill University Research Centre on Complex Traits (MRCCT)