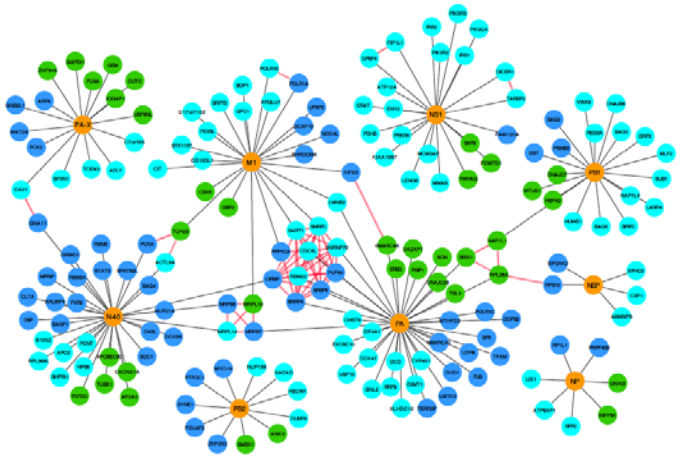
GUEST SPEAKER SEMINAR

Molecular Genetics
UNIVERSITY OF TORONTO

Revealing Host Pathogen Dynamics with the Next Generation of Systems Virology Approaches



Viruses are molecular machines evolved to exploit the specialized cellular niches of their hosts for replication. This co-dependency manifests itself in thousands of molecular changes that influence cellular function and may result in disease. A systematic, quantitative understanding of these changes is essential for the understanding of these disease states and for the development of next-generation therapeutics. Only recently, however, have technological advances in proteomics, functional genomics, and cellular engineering allowed for the generation of systems-level interaction maps in mammalian cells. By bridging these technological innovations to infectious disease, I strive to gain insight into the molecular mechanisms of health and pathogenesis.

Dr. Judd F. Hultquist

University of California, San Francisco
(Candidate for Faculty Appointment)

Host: Dr. Lori Frappier

Date: Tuesday January 31, 2017
Time: 10:00 a.m.
Place: Red Seminar Room
Donnelly CCBR