

**Catherine Beauchemin** is an Associate Professor in the Department of Physics at Ryerson University. Her research interest is in self-organizing systems, particularly in mathematical and computer modelling of infectious disease dynamics. Originally from Montreal, she received her undergraduate degree in Computational Physics from the University of Ottawa in 2001, completing her 4th year capstone project in NeuroPhysics under the supervision of Dr. André Longtin. She obtained her Ph.D. under the supervision of Dr. Jack Tuszynski in the Physics Department of the University of Alberta in 2005, working on spatiotemporal modelling of viral infections. Before starting at Ryerson, she was a postdoctoral fellow jointly at the Los Alamos National Laboratory with Dr. Alan S. Perelson, and at the Adaptive Computation Laboratory in the Computer Science Department of the University of New Mexico with Dr. Stephanie Forrest.