



presents Guest Speaker:

Leonid Chindelevitch

Assistant Professor, School of Computing Science, Simon Fraser University

"Modelling infectious disease epidemics"

Abstract: Infectious diseases continue to affect the lives of millions of people around the world, but we still understand relatively little about how exactly they spread through populations. I will discuss an epidemiological model of the joint epidemic of tuberculosis and HIV in South Africa as an example of the kind of tools policymakers had at their disposal until recently. I will then go on to show how genotypic information can be harnessed to interrogate an epidemic, using the example of complex tuberculosis infections. I will conclude with a mechanistic model that describes the way bacterial pathogens may evolve resistance to drugs, and finally sketch a unified multiscale model that could one day provide new insights into the nature of infectious disease epidemics.

Introductory speaker (10 mins):

Rodrigo Goya

PhD Candidate, Dr. Marco Marra's Lab, BCCRC

"Alternative Expression in Triple Negative Breast Cancer Subgroups"

Thursday, November 5th, 2015, 6PM

Gordon and Leslie Diamond Family Theatre,
BC Cancer Research Centre,
675 West 10th Avenue

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