Graduate Seminar in Statistics

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Monday, March 9, 2015
1 - 2 pm in HH-3017

"Modelling of cross over and interference in mice"

Abstract:
    Chiasma and crossover are two related biological processes of great importance in the understanding genetic variation. The study of these processes is straightforward in organisms where all products of meiosis are recovered and can be observed. This is not the case in mammals. Then, our understanding of these processes depends on our ability to model them. On this presentation I describe the biological process that underline chiasma and crossover as wells as the two main problems associated with their inference, to know: i) in mammals we only recover one of the four products of meiosis and, ii) in general, we do not observe where the crossovers actually happen, but an interval containing type-2 censored information.