



MMI

Maud Menten Institute
Mathematics for the Life Sciences



**University
of Victoria**



***Maud Menten Institute /
Mathematical and Statistical Biology Seminar***

Monday, March 10, 2025

12 pm PST (in person)

Engineering/Comp Sci 130

Join Zoom Meeting

<https://uvic.zoom.us/j/89270000801>

Meeting ID: 892 7000 0801

Sally Otto

Department of Zoology
University of British Columbia

Twists and turns in the modelling of recombination and its evolution

Selection acts upon genes tied together on chromosomes. This physical association reduces the efficiency of evolution because, in the absence of sex, alleles must rise and fall together in frequency with the genome in which they are found. In this talk, I introduce the concept of selective interference, describe the role that sex and recombination play in reducing this interference, and provide evidence from both theoretical and empirical studies that sex and recombination may have evolved and be maintained to reduce this interference, thereby increasing the efficiency of evolution.

