

# Biomathematics Seminar Series

Department of Mathematics and Statistics

## A few attempts at ecological modelling



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I just joined the department and am excited to be a part of the mathematical biology group! In this informal presentation, I will talk about a few recent and ongoing projects. First, I will present on a model-based investigation of how community composition impacts predator-prey interactions, along with some future research questions. Then, I will talk about an ongoing project to model dung beetle lifecycles and establish protocols for model parameterization. Finally, I will introduce a new project which aims to connect human social behaviors with their impact on ecological foodwebs. I hope to share a bit about what I'm currently doing and to receive any feedback from the group.



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