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## **A two-strain ecoepidemic model**

In this talk we present a model in which two strains are considered. In a predator-prey demographic model, two contagious diseases are assumed to spread among the predators. Under the relatively strong assumption that one individual cannot be affected by both, we analyze the system to determine its long term behavior. While in some other already published models both populations have been considered subject to a disease, or the same disease is able to cross the species barrier, to our knowledge this is the first ecoepidemic model accounting for two diseases affecting the same population.