Postdoc position at Cornell: modeling and analysis of disease transmission in plant-pollinator networks
**open immediately**

Postdoctoral associate position in mathematical modeling and analysis of pollinator disease transmission
- **open immediately**

The Ellner, Myers and McArt labs at Cornell University are looking for a postdoctoral researcher to join an interdisciplinary team focused on understanding the spread of disease in bee populations as mediated through their pollination activities. The team spans the fields of entomology, ecology, infection biology, applied mathematics, data science, network science, and physics. We seek a postdoc with quantitative skills to join our group and collaborate with biologists on analysis of rich, heterogeneous data sets connecting bees, flowers, and pathogens, and on the development of mathematical and computational models of population dynamics, foraging behavior and infectious disease spread. Expertise that would be useful in this position includes analysis of complex data sets, application of machine learning methods, and development and analysis of dynamical models and complex networks. Experience in infection biology or entomology is not required, while experience in data analysis, computation and mathematical modeling is.

The position is available for two years starting Summer or Fall 2018, with an appointment in a department suited to the candidate’s background. Salary commensurate with experience and an excellent benefits package included. While the position is based at Cornell, the postdoc will interact regularly with an interdisciplinary group of Co-PIs and postdocs/grad students at UC Riverside, UMass-Amherst, NC State and the departments of Physics, Entomology, and Ecology and Evolutionary Biology at Cornell.

Brief descriptions of the overall project can be found via the following links:


Please contact Steve Ellner (spe2@cornell.edu) and Chris Myers (c.myers@cornell.edu) directly if you are interested in the position, including your CV, a brief 1-paragraph statement of interest and a list of 2-3 references who we can contact for reference letters.