

JANNICE FRIEDMAN



Jannice Friedman's research focuses on understanding the enormous diversity in plant reproductive strategies by combining approaches in evolutionary ecology, population genetics and molecular evolution. Transitions in reproductive strategies provide opportunities to ask fundamental questions about evolutionary processes, and she is particularly interested in the role of adaptation and natural selection in driving reproductive transitions like changes in

pollination systems (e.g. animal to wind), mating strategies (e.g. outcrossing to selfing, hermaphroditism to dioecy) and life-history transitions (e.g. perennial to annual, clonal reproduction). These types of reproductive characters can influence genetic transmission, population structure, selection response, and patterns of diversification. Using a combination of approaches, her research aims to ask questions about the lability of traits and how they respond to selection, their adaptive significance, and whether the underlying genetics is simple or complex.

Jannice completed her B.Sc. Honors degree from the University of Toronto in 2000. She obtained a M.Sc. from the University of Calgary in 2003, where she first became interested in wind pollination. In 2009 she received a Ph.D. from the University of Toronto. She was awarded the Governor General's Gold Medal of Canada for her Ph.D. research on the evolution of wind pollination in the flowering plants. In 2009, she was awarded an NSERC Post-doctoral fellowship to work at Duke University, NC. Her postdoctoral work focused on the evolution of life history transitions in plants, and used *Mimulus guttatus* (yellow monkey flower) to investigate the seasonal cues used for flowering in annual and perennial plants. In 2012, she joined the faculty at Syracuse University, NY as an Assistant Professor.