



Botany 2021

Colloquium: Speciation Mechanisms in Plants



Introduction **Patricia Bedinger**, Colorado State University, with Co-Organizers **Kathleen Kay**, UC Santa Cruz, **Lila Fishman**, University of Montana, and **Jeremiah Busch**, Washington State University



Kyle Christie, Michigan State University

The strength of reproductive isolating barriers in flowering plants redux: insights from studies quantifying pre- and postzygotic reproductive isolation over the past 15 years



Susan Kalisz, University of Tennessee

Selfing, niche diversification and species boundaries



David Moeller, University of Minnesota

Reinforcement and ecological speciation between incipient outcrossing and selfing *Clarkia* species



Shelley Sianta, University of California, Santa Cruz, University of Minnesota

The roles of fitness trade-offs and habitat isolation in speciation via ecological divergence



David Lowry, Michigan State University

The genetic and physiological basis of ecological reproductive isolation between coastal perennial and inland annual ecotypes of *Mimulus*



Amanda Broz, Colorado State University

Mating system transitions alter reproductive isolating barriers



Rachel Spigler, Temple University

New genomic resources and comparative analyses pave the way for understanding the association between selfing and species divergence in *Collinsia*



Jenn Coughlan, Duke University, University of North Carolina

The evolution of hybrid seed inviability in a group of cryptic perennial *Mimulus*



Matthew Koski, Clemson University

Dynamic colonization history drives geographic patterns of reproductive incompatibility