

SEMINAR SERIES

The Ecosystem Genomics Initiative (EGI) is a nexus for coalescing University of Arizona strengths in environmental science, ecology, genome-enabled science, and 'big data' cyberinfrastructure to address this grand challenge.



Friday, March 25, 2022 | 12:00PM | Virtual

Katrina Dlugosch

Associate Professor, Ecology & Evolutionary Biology,
University of Arizona and BRIDGES faculty member

Topic: *Ecological Genomics of Plant Invasions*

REGISTER:

<https://bit.ly/3qsLX3x>

Spring Speaker List:



Questions? Contact

Heather Ingram at
hci@arizona.edu

Expertise: The Dlugosch lab studies the genetics and rapid evolutionary dynamics of ecologically important traits, using a variety of genetic approaches (quantitative, molecular, and genomic) in combination with field experiments and observations. The lab group is particularly interested in the rapid evolution of distribution and abundance on human timescales, particularly in invasive species that are colonizing new locations, as well as in native species responding to environmental change. Lab members are working to understand how genetic and environmental variation in these species translate into phenotypic diversity, adaptation, and changes in ecologically important traits. They use the tools of field ecology, quantitative genetics, genomics, and bioinformatics to ask specific questions about how traits are evolving, how genetic variation is distributed geographically, how ecological interactions differ among genotypes, and how genetic differences translate into changes in population dynamics and species distributions.



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