Jill M. Love

Doctoral Candidate at Tulane University

Plasticity I Adaptation I Evolution I Genomics

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	Education
2020 – pres.	Ph.D. Candidate, Ecology and Environmental Biology (EEB) Tulane University – <i>New Orleans, LA</i> Advised by Dr. Kathleen Ferris
2014 – 2018	B.S. Biology; B.A. Environmental and Sustainability Studies Summa Cum Laude with Honors; Phi Beta Kappa Western Michigan University - Kalamazoo, MI
	Research Experience
2019 – 2020	Research Technician with Dr. Jeff Conner Greenhouse Manager Kellogg Biological Station, Michigan State University - Hickory Corners, MI
2018	Plant Ecology Intern U.S. National Park Service, Denali National Park & Preserve - Denali, AK
2017	Biological Field Station Student Researcher Pierce Cedar Creek Institute (PCCI) - Hastings, MI
2016 – 2018	Research Assistant with Dr. Stephen Malcolm Biological Sciences, Western Michigan University - <i>Kalamazoo</i> , <i>MI</i>
2018	Ecology Lab Prep Biological Sciences, Western Michigan University - <i>Kalamazoo</i> , <i>MI</i>
2015 – 2018	Research and Special Projects Assistant Kalamazoo Specialty Plants - Kalamazoo, MI
	Publications
2025	Mahesh, A., Love, J. M. , & Ferris, K. G. A major-effect locus underlies critical photoperiod divergence across elevation in <i>Mimulus laciniatus</i> . In prep.
2025	Love, J. M. & Ferris, K. G. Field-based evidence for selection on phenotypic plasticity in a California endemic monkeyflower, <i>Mimulus laciniatus</i> . In prep.
2024	Love, J. M. & Ferris, K. G. Local adaptation to an altitudinal gradient: The interplay between mean phenotypic trait variation and phenotypic

	plasticity in <i>Mimulus laciniatus</i> . <i>Perspect. Plant Ecol. Evol. Syst.</i> 63, 125795
2018	Sarah Stehn & Jill Syrotchen . "Assessing the Risk of Denali's Forests to Spruce Beetle Outbreak." <i>National Park Service</i> , U.S. Department of the Interior, July 2018. https://www.nps.gov/articles/assessing-the-risk-of-denali-forests-to-spruce-beetles.htm
2018	Syrotchen, Jill M. , "The influence of plant modularity on the defense against specialist insect herbivory." (2018) <i>Honors Theses</i> . https://scholarworks.wmich.edu/honors theses/3026
	Presentations
2025	Oral, "Investigating the adaptive potential of leaf shape plasticity in a California endemic Monkeyflower, <i>Mimulus laciniatus</i> " Botany conference – <i>Palm Springs, California</i>
2024	Poster, "Phenotypic plasticity in <i>Mimulus laciniatus</i> : critical photoperiod and leaf shape"
2023	Society for the Study of Evolution conference – <i>Montreal, Canada</i> Oral, "Local adaptation to heterogeneity: the interplay between
2023	constitutive trait variation and phenotypic plasticity in <i>Mimulus</i> laciniatus"
	Society for the Study of Evolution conference – <i>Albuquerque</i> , <i>NM</i>
2023	Poster, "Local adaptation in leaf shape plasticity along an elevational cline in <i>Mimulus laciniatus</i> "
2023	Tulane Research, Innovation, and Creativity Summit - New Orleans, LA Oral, "Creating maps in R using ggmap"
2020	Tulanians Who Enjoy R Coding Workshop - New Orleans, LA
2022	Oral, "Local adaptation of phenotypic plasticity using <i>Mimulus</i> lacninatus."
0000	Tulane EEB EcoLunch seminar - New Orleans, LA
2022	Poster, "Local adaptation in leaf shape plasticity along an elevational cline in <i>Mimulus laciniatus</i> "
2021	Society for the Study of Evolution conference - Cleveland, OH Oral "Phonotypic placticity in a number of traits in Mimulus lacinistus"
2021	Oral, "Phenotypic plasticity in a number of traits in <i>Mimulus laciniatus</i> " Society for the Study of Evolution conference - <i>Virtual</i>
2018	Oral, "The influence of plant size on chemical defense induction"
	WMU Lee Honors College Thesis Symposium - Kalamazoo, MI
2018	Oral, "The influence of plant size on chemical defense induction" Kalamazoo Area Math and Science Center Research - Kalamazoo, MI
2018	Oral, "The influence of plant size on chemical defense induction"

		Awards and Recognition
	2025	A Studio in the Woods, Tulane University Bywater Institute
		Scholarly Retreat Award
	2024	Tulane EEB Graduate Research Grant
	2024	Society for the Study of Evolution Graduate Research Excellence
		Grant – Rosemary Grant Advanced Award
	2024	American Philosophical Society Lewis and Clark Grant for
		Exploration and Field Research
	2024	Tulane Data Hub Graduate Student Research Grant
	2024	Tulane EEB Graduate Research Grant
	2023	3 rd place poster, Tulane Research, Innovation, and Creativity Summit
	2023	Tulane Data Hub Graduate Student Research Grant
	2023	Tulane EEB Graduate Research Grant
	2022	NSF GRFP Honorable Mention
	2021	Tulane EEB Graduate Research Grant
2014 -	- 2018	WMU Dean's List (8 semesters)
	2017	PCCI Undergraduate Research Grant for the Environment
	2017	WMU Biological Sciences Frank Hinds Zoology Award
	2017	WMU Lee Honors College Research Scholarship
	2017	WMU College of Arts and Sciences Research Scholarship
	2017	National Garden Clubs Academic Scholarship
	2017	Michigan Garden Clubs Academic Scholarship
		Teaching Experience
	2025	Instructor of Record, STEM Pre-College Course (Leafy Legends: The Science of Plant Adaptation and Evolution)
		Tulane University – New Orleans, LA
	2025	Instructor of Record, Diversity of Life Laboratory (EBIO 1015) Tulane University – New Orleans, LA
2020 -	- 2025	Teaching Assistant, Diversity of Life Laboratory (EBIO 1015) Tulane University – New Orleans, LA
	2023	Center for Engaged Learning and Teaching Pedagogy Certificate Tulane University – <i>New Orleans, LA</i>
	2020	Teach Anywhere: Online Teaching Training Certificate Tulane University – <i>New Orleans, LA</i>
		Service and Outreach

2025 – 2028	Diversity Committee Member Society for the Study of Evolution – <i>Virtual</i>
2023 – 2024	Graduate Student Advisory Council Member Society for the Study of Evolution – <i>Virtual</i>
2023	Tulanians Who Enjoy R Coding (TWERC) group leader Tulane University – <i>New Orleans, LA</i>
2020 – pres.	Tulane K-12 STEM In-school Outreach workshop leader Tulane University – <i>New Orleans, LA</i>
2020 – pres.	Girls in STEM at Tulane (GIST) and Boys at Tulane in STEM (BATS) workshop leader Tulane University – <i>New Orleans, LA</i>
2021 - 2022	Tulane EEB Diversity, Equity, and Inclusion graduate student liaison Tulane University – <i>New Orleans, LA</i>
2021 – 2022	Skype a Scientist Speaker Virtual