

Jessica L. Mullins, PhD Student
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EDUCATION	University of California San Diego	Expected 2026
	<i>PhD:</i> Ecology, Behavior and Evolution, Advised by Dr. David Holway	
	University of Colorado Boulder	August 2021
	<i>Master of Science:</i> Museum and Field Studies, Advised by Dr. M Deane Bowers Thesis: Weathering the storm: Wild bee community response to an extreme flood	
	University of Colorado Boulder	May 2015
	<i>Bachelor of Arts:</i> Ecology and Evolutionary Biology, German Studies <i>Minor:</i> Geography	
REFEREED PUBLICATIONS	Mullins, J.L. , J.P. Strange, A.D. Tripodi. 2020. Why Are Queens Broodless? Failed Nest Initiation Not Linked to Parasites, Mating Status, or Ovary Development in Two Bumble Bee Species of <i>Pyrobombus</i> (Hymenoptera: Apidae: <i>Bombus</i>), <i>Journal of Economic Entomology</i> , 113(2).	
RESEARCH EXPERIENCE	Graduate Student Researcher	2021 - Present
	<i>Holway Lab, University of California San Diego, La Jolla, CA</i> Investigate differences in ecological communities of native bees in San Diego County scrub habitat reserves and fragments to understand life history patterns (range size, body size, sociality, diet) associated with extinction risks for 200+ pollinator species.	
	Graduate Research Assistant	June 2019 - May 2021
	<i>University of Colorado Museum of Natural History, Boulder, CO</i> Assisted with general collection management including pest control, database management, loan processing, and insect identification and curation. Prepare public outreach materials and policies and procedures documents.	
	Biological Aid	Feb 2017 - June 2018
	<i>USDA-ARS Pollinating Insects Research Unit, Bombus Lab, Logan, UT</i> Studied causes for bumble bee queen nest initiation failure by diagnosing parasites and pathogens, conducted survey across western USA for <i>Bombus occidentalis</i> , reared wild-caught bumble bee queens.	
GRANTS	NIH T-32 Pathways in Biology Training Program (USD 122,212)	2022
	Sea and Sage Audubon Society Ecological Research Grant (USD 1,500)	2022
	Jeanne M. Messier Memorial Fellowship (USD 2,000)	2021
	Denver Audubon Society, Lois Webster Fund (USD 4,853)	2020
	City of Longmont Research Award, (USD 4,942)	2020
	CU Museum of Natural History Research Award, (USD 1,131)	2020
	Collie Fund - CU Museum of Natural History, (USD 534)	2020

TALKS	Entomological Society of America - <i>First Place President's Prize</i>	2021
	Colorado Pollinator Summit <i>invited</i>	2020, 2021
	Entomological Society of America - virtual	2020
POSTERS	Entomological Society of America - Denver, CO	2017
	Why don't queens get broody? Parasites, mating status, and ovary development in <i>Bombus huntii</i> .	<i>First Place President's Prize</i>
LAB AND FIELD EXPERIENCE	Entomologist/Museum Technician	May - August 2021
	<i>Resasco Lab, University of Colorado Boulder, Boulder, CO</i>	
	Curation and identification insect specimens collected from Pikes Peak as part of a 100-year resurvey of Experimental Pollination from Clements and Long. Determined taxonomic nomenclature of historical records. Trained undergraduates in curation.	
	Field Crew Leader	June - Sept 2018
	<i>Ponisio Lab, University of California Riverside, Riverside, CA</i>	
	Led field season in eight sky islands in the Southwestern US to collect plant-pollinator network data while ensuring the safety of crew members living in the backcountry.	
	Bee Biology Technician	Jan - June 2018
<i>Utah State University Insect Collection, Logan, UT</i>		
Tested and assisted in writing bee identification keys the Exotic Bee ID website.		
Seasonal Plant Ecologist	May - Nov 2016	
<i>Boulder County Parks and Open Space, Longmont, CO</i>		
Lead field season surveying vegetation to track disturbance regimes on plant community and managed database in ArcGIS, Microsoft Excel.		
Seasonal Field Botanist	June - Oct 2015	
<i>National Park Service, Southern Colorado Plateau Network, Flagstaff, AZ</i>		
Sampled for botanical and soil stability data in backcountry plots for a long-term monitoring dataset of five National Parks on the Colorado Plateau.		
Research Assistant	Oct 2013 - May 2015	
<i>Ecology and Evolutionary Biology Dept, University of Colorado, Boulder, CO</i>		
Collected, pinned, and labeled wild bees using passive and active sampling methods in agroecosystems and post-catastrophic flood zones.		
OUTREACH	Virtual Bee Boulder Pollinator Festival	Sept 2020
	Recorded outreach video about the evolution of bees.	
	Classrooms for Climate Action	Jan 2020
Invited to visit 2nd Grade classroom to teach students about wild bees.		
Bee Boulder Pollinator Festival	Sept 2019	
Hosted booth about pollination syndrome and non-honey bee pollinators.		
SPECIALIZED TRAINING	Introduction to Biodiversity Specimen Digitization	Aug 2022
	<i>Virtual iDigBio Course</i>	
	The Bee Course	Aug 2019
<i>Southwestern Research Station, Portal, AZ</i>		
A ten day course on the systematics and biology of North and Central American bees.		

AFFILIATIONS Entomological Society of America
Entomology Collections Network

2017 - Present
2019 - Present