AMANDA R STAHLKE
Assistant Professor of Biology
Department of Biological Sciences
Colorado Mesa University
Wubben Science
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EDUCATION & TRAINING

2021 – 2022 Postdoctoral Research Biologist (Computational) Research Associate, USDA-ARS, Beltsville, MD
Supervisor: Anna Childers

2015 – 2021 PhD, Bioinformatics and Computational Biology Graduate Program, University of Idaho, Moscow, ID
Advisor: Paul Hohenlohe

2009 – 2014 BS, Biology, Colorado Mesa University, Grand Junction, CO

PUBLICATIONS

Peer-reviewed

Google Scholar profile: https://scholar.google.com/citations?user=aOKCOXgAAAAJ&hl=en

19. **Stahlke AR**, Chang J, Chudalayandi S, Heu CC, Geib SM, Scheffler BE, Childers AK, Fabrick JA. (2023). Chromosome-scale genome assembly of the pink bollworm, *Pectinophora gossypiella*, a global pest of cotton. G3: Genes, Genomes, Genetics. 13(4): jkad040, https://doi.org/10.1093/g3journal/jkad040.
18. Chang J*, **Stahlke AR***, Chudalayandi S, Rosen BD, Childers AK, Severin AJ. (2023). polishCLR: a Nextflow workflow for polishing PacBio CLR genome assemblies. *Genome Biology and Evolution*, *15*(3), evad020. https://doi.org/10.1093/gbe/evad020.
17. Perkin L, Cohen ZP, Sim SB, **Stahlke AR**, Geib S, Childers A, Smith T, Suh C. (2022). Insight into weevil biology from a reference quality genome of the boll weevil, *Anthonomus grandis grandis* Boheman (Coleoptera: Curculionidae). *G3, Genes/Genomes/Genetics.* jkac309. https://doi.org/10.1093/g3journal/jkac309.
16. Clark EI, **Stahlke AR**, Gaskin JF, Bean DW, Hohenlohe PA, Hufbauer RA, Bitume EV. (2022). Fitness and host use remain stable in a biological control agent after many years of hybridization. *Biological Control* in press. https://doi.org/10.1016/j.biocontrol.2022.105102.
15. Clark EI, Bitume EV, Bean D, **Stahlke AR**, Hohenlohe PA, & Hufbauer RA. (2022). Evolution of dispersal ability and fecundity during the range expansion of a biological control agent. *Evolutionary Applications.* 00, 1– 11. https://doi.org/10.1111/eva.13502
14. **Stahlke AR**, Chang J, Tembrock LR, Sim SB, Chudalayandi S, Geib SM, Scheffler BE, Perera OP, Gilligan TM, Anna K. Childers AK, Kevin J. Hackett KJ, Coates BS. (2022). A

chromosome-scale genome assembly of a *Bacillus thuringiensis* Cry1Ac insecticidal protein resistant strain of *Helicoverpa zea*. *Genome Biology and Evolution*. evac131. https://doi.org/10.1093/gbe/evac131

13. **Stahlke AR**, Bitume EV, Özsoy ZA, Bean DW, Veillet A, Clark MI, Clark EI, Moran P, Hufbauer RA, & Hohenlohe PA. (2022). Hybridization and range expansion in tamarisk beetles (*Diorhabda* spp.) introduced to North America for classical biological control. *Evolutionary Applications*, 15, 60– 77. https://doi.org/10.1111/eva.13325
12. **Stahlke AR**, Epstein B, Barbosa S, Margres MJ, Patton AH, Hendricks SA, Veillet A, Fraik AK, Schönfeld B, Hamede RK, McCallum HI, Jones ME, Storfer A, Hohenlohe PA. (2021). Contemporary and historical selection in Tasmanian devils (*Sarcophilus harrisii*) support novel, polygenic response to transmissible cancer. *Proc. R. Soc. B.* 288. 20210577. http://doi.org/10.1098/rspb.2021.0577.
11. Poelstra J, Salmona J, Tiley GP, Schüßler D, Blanco MB, Andriambeloson JB, Bouchez O, Campbell CR, Etter PD, Iribar A, Hohenlohe PA, Hunnicutt KE, Johnson EA, Larsen PA, Manzi S, Randrianambinina B, Rasolofoson DW, **Stahlke AR**, Weisrock D, Williams RC, Chikhi L, Louis EE, Radespiel U, Yoder AD. (2020). Cryptic patterns of speciation in cryptic primates: microendemic mouse lemurs and the multispecies coalescent. *Systematic Biology.* 70(2), 203-218. https://doi.org/10.1093/sysbio/syaa053.
10. Margres MJ, Ruiz-Aravena M, Hamede R, Chawla Kusum, Patton AH, Lawrance MF, Fraik AK, **Stahlke AR**, Davis BW, Ostrander EA, Jones ME, McCallum H, Paddison PJ, Hohenlohe PA, Hockenbery D, Storfer A. (2020). Spontaneous Tumor Regression in Tasmanian Devils Associated with RASL11A Activation. *Genetics.* 215(4). 1143-1152. https://doi.org/10.1534/genetics.120.303428 .
9. Kozakiewicz KP, Ricci L, Patton AH, **Stahlke AR**, Hendricks SA, Margres MJ, Ruiz-Aravena M, Hamilton DG, Hamede R, McCallum H, Jones ME, Hohenlohe PA, Storfer A. (2020). Comparative landscape genetics reveals differential effects of environment on host and pathogen genetic structure in Tasmanian devils (*Sarcophilus harrisii*) and their transmissible tumor. *Molecular Ecology*. 29(17). 3217– 3233. https://doi.org/10.1111/mec.15558.
8. Fraik AK, Margres MJ, Epstein B, Barbosa S, Jones M, Hendricks S, Schönfeld B, **Stahlke AR**, Veillet A, Hamede R, McCallum H, Lopez-Contreras E, Kallinen SJ, Hohenlohe PA, Kelley JL, Storfer A. (2020). Disease swamps molecular signatures of genetic-environmental associations to abiotic factors in Tasmanian devil (*Sarcophilus harrisii*) populations. *Evolution*. 74. 1392-1408. https://doi.org/10.1111/evo.14023.
7. **Stahlke AR**, Bell D, Dhendup T, Kern B, Pannoni S, Robinson Z, Strait J, Smith S, Hand BK, Hohenlohe P, Luikart G. Training the next generation of conservation genomicists: ConGen 2018 Workshop. (2020). *Journal of Heredity,* 111(2), 227–236. https://doi.org/10.1093/jhered/esaa001.
6. Patton, AH, Margres MJ, **Stahlke AR**, Hendricks S, Lewallen K, Hamede RK, Ruiz-Aravena, M, Ryder O, McCallum HI, Jones ME, Hohenlohe PA, Storfer A. (2019). Contemporary demographic reconstruction methods are robust to genome assembly quality: A case study in Tasmanian Devils. *Molecular Biology and Evolution*, *36*(12), 2906-2921. https://doi.org/10.1093/molbev/msz191.

5. **Stahlke AR**, Ozsoy AO, Bean DW, Hohenlohe PA. (2019). Mitochondrial genomes of *Diorhabda carinata* and *Diorhabda carinulata*, two beetle species introduced to N. America for biocontrol. *Microbiology Resource Announcements*, 8(35), e00690-19. https://doi.org/10.1128/MRA.00690-19.

4. Margres MJ, Jones M, Epstein B, Kerlin DH, Comte S, Fox S, Fraik AK, Hendricks SA, Huxtable S, Lachish S, Lazenby B, O'Rourke SM, **Stahlke AR**, Wiench CG, Hamede R, Schonfeld B, McCallum H, Miller MR, Hohenlohe PA, Storfer, A. (2018). Large-effect loci affect survival in Tasmanian devils (*Sarcophilus harrisii*) infected with a transmissible cancer. *Molecular Ecology,* 27(21), 4189-4199. https://doi.org/10.1111/mec.14853.

3. Storfer A, Hohenlohe PA, Margres MJ, Patton A, Fraik AK, Lawrance M, Ricci LE, **Stahlke AR**, McCallum HI, Jones ME. (2018). The devil is in the details: Genomics of transmissible cancers in Tasmanian devils*. PLoS Pathogens*, 14(8), e1007098. https://doi.org/10.1371/journal.ppat.1007098.

2. Bitume EV, Bean DW, **Stahlke AR**, Hufbauer RA. (2017). Hybridization affects life-history traits and host specificity in *Diorhabda* spp. *Biological Control*, 111, 45-52. https://doi.org/10.1016/j.biocontrol.2017.05.009.

1. Kennard, D, Louden, N, Gemoets, D, Ortega S, González E, Bean DW, Cunningham P, Johnson T, Rosen K, **Stahlke AR.** (2016). Tamarix dieback and vegetation patterns following release of the northern tamarisk beetle (*Diorhabda carinulata*) in western Colorado. *Biological Control*, 101, 114-122. https://doi.org/10.1016/j.biocontrol.2016.07.004.

Technical Reports

Ozsoy AZ, **Stahlke AR,** Johnson M. (2021). Genetic Identification and Hybrid Analysis of Tamarisk Leaf Beetles (*Diorhabda* spp.). along the Rio Grande River NM watershed. Contract No. W912PP-15-D-0023, Task Order No. W912PP17F0013. Delivered to Tetra Tech, Albuquerque, NM.

Ozsoy AZ, **Stahlke AR,** Jamison L, Johnson M. (2019). Genetic Identification and Hybrid Analysis of Tamarisk Leaf Beetle (*Diorhabda* spp.). and Tamarisk Weevil (*Coniatus* spp.) along the Rio Grande River NM watershed. Contract No. W912PP-14-P-0041. Delivered to Army Corps of Engineers.

Ozsoy AZ, **Stahlke AR,** Jamison L, Johnson M. (2018). Genetic Identification and Hybrid Analysis of Tamarisk Leaf Beetle (*Diorhabda* spp.). and Tamarisk Weevil (*Coniatus* spp.) along the Rio Grande River NM watershed. Contract No. W912PP-14-P-0041. Delivered to Army Corps of Engineers.

Cortat G, Alderley C, Falgate, E, **Stahlke AR**, and Ribeiro S. (2016). Biological control of field bindweed, *Convolvulus arvensis*. Annual report 2015. CABI E-CH, Delémont, Switzerland, 8.

Cortat, G, Gerber E, **Stahlke AR**. Cloşca, C, and Hinz H.L. (2016). Biological control of garlic mustard, *Alliaria petiolata*. Annual report 2015. CABI E-CH, Delémont, Switzerland, 14.

Cortat, G, **Stahlke AR**, Alderley C, and Falgate E. (2016) Biological control of hawkweeds, *Pilosella* spp.. Annual report 2015. CABI E-CH, Delémont, Switzerland, 16.

Hinz, HL, Cloşca C., Castellan I, Heijs W, Morelon S, and **Stahlke AR**. (2016) Biological control of whitetops, *Lepidium draba*, *L. chalepense* and *L. appelianum*. Annual Report 2015. CABI E–CH, Delémont, Switzerland, 27.

Stutz S, Gerber E, **Stahlke AR**, Hinz HL, Cristofaro M, Augé M, Marini F, Di Cristina F. (2016) Biological control of perennial pepperweed, *Lepidium latifolium*. Annual report 2015. CABI E–CH, Delémont, Switzerland, 13.

TEACHING EXPERIENCE

2023	Instructor of Biology: Special Topics: Gene Annotation (BIOL 496-001). Colorado Mesa University. *Planned.*
2022	Visiting Instructor: Special Topics: Genome Annotation (BIOL496-J02). Colorado Mesa University.
2020	Instructor: Tutorials on UNIX and Shell basics, RADseq data processing. ConGen 2020. Virtual via Flathead Biological Station. https://gist.github.com/Astahlke/d47794f50528f5e1b2fffe4cf21e43aa https://gist.github.com/Astahlke/e07e346720061164855fb2c2a7dc7f02
2020	Instructor: Data Carpentry: Genomics Workshop, Online, California State University Monterey Bay https://astahlke.github.io/2020-06-23-csumb-online/
2020	Assistant: Data Carpentry: Geospatial Analysis Workshop, Online, University of Idaho (BCB 503) https://erichseamon.github.io/2020-03-26-uidaho-geospatial/
2019	Instructor: Software Carpentry: Unix, Git, and Python for Novices Workshop, University of Idaho (BCB 503) https://astahlke.github.io/2020-01-30-uidaho/
2019	Software and Data Carpentries Badged Instructor
2019	Tutorial on RADseq data processing. ConGen 2019: Applications of New Sequencing Technologies to Understand Population Structure, Adaptation, and Environmental Influences on Genomic Variation. Flathead Biological Station. https://gist.github.com/Astahlke/bb9db6bee8bd225ee35353e47f4f2f9f
2018-2019	University of Idaho Undergraduate Student Mentorship: Carly Scott
2018	Tutorial on RADseq data processing. ConGen 2018: Applications of New Sequencing Technologies to Understand Population Structure, Adaptation, and Environmental Influences on Genomic Variation. Flathead Biological Station.
2018	University of Idaho Online Teaching Assistant: Distributed Graduate Seminar on Landscape Genetics (WLF 561)
2017-2018	University of Idaho Undergraduate Student Mentorship: Briana Zak
2017	University of Idaho Teaching Assistant: Cells and Evolution of Life (BIO 115L)
2014	Colorado Mesa University Teaching Assistant: Genetics (BIOL 355)
2010	Greenhouse Horticulture, English, and Summer Vocational School Instructor; Sustainable Roots 501(c)(3); Cosanga, Ecuador
2009-2014	Colorado Mesa University Outdoor Program Trip Leader

GRANTS AND AWARDS
(Accepted Total $396,265.40)

* Contributed substantially to writing

2022 *Determining the sub-species status of the southwestern willow flycatcher. Utah's Watershed Restoration Initiative. ($150,000)

2020 AAUW American Dissertation Fellowship ($20,000) – Declined

2020 Examining The Roles Of Aggregation And Plasticity In Rapid Evolution And Range Expansion Of A Biocontrol Agent, *Diorhabda carinulata*. USDA AFRI NIFA Predoctoral Fellowship ($120,000)

2019 Arthropod Genomics Symposium i5k Travel Scholarship ($200)

2019 University of Idaho Bioinformatics and Computational Biology Departmental Fellowship ($50,472.40)

2019 RiversEdgeWest Travel Scholarship ($200)

2018 University of Idaho Graduate and Professional Student Association Travel Award ($700)

2018 Outreach Grant for Promoting the Understanding of Evolutionary Biology, Society for the Study of Evolution ($1,000)

2018 Undergraduate Research Grants in the Department of Biological Sciences, University of Idaho ($1,500)

2017 *The role of eco-evolutionary dynamics in an expanding biocontrol agent, Pests and Beneficial Species in Agricultural Production Systems, USDA AFRI Foundational Program. Principal Investigators: Hufbauer, Bean, Bitume, and Hohenlohe. ($61,731)

2016 University of Idaho Graduate and Professional Student Association Travel Award ($512)

2015 Stillinger Herbarium Expedition Award, University of Idaho ($8,250)
RADseq: Software and Applications Workshop, University of Idaho Teaching, Education, and Graduate Association Workshop Grant ($1,700)

INVITED SEMINARS

2022 **Stahlke AR.** "Keeping pace with rapid evolution in biocontrol agents and agricultural pests". The Ohio State University Entomology Department Seminar. Virtual. February 17, 2022.

2022 **Stahlke AR**, Jamison L, Ozsoy AZ, Johnson MJ. "Tamarisk beetle genetic monitoring on the Lower Colorado River, Hassayampa River, Centennial Wash Gila River, AZ/NM, Little Colorado River, Salt River, San Pedro River, Tonto Creek, Verde River and Rio Grande River, NM Watersheds". Southwestern Willow Flycatcher - Riparian Ecology Workshop. Virtual. RiversEdge West. February 7, 2022.

2021 **Stahlke AR**. "Accelerating arthropod research in agriculture with genome assemblies." Guest Lecturer for Evolution BIO-385. Virtual @ Gustavus Adolphus College. November 12, 2021.

2021 **Stahlke AR,** Sim SB, Ozsoy AZ, Bean DW, Spencer SJ, Geib S, Hohenlohe PA. "*De novo* chromosome-level genome assemblies and comparative genomics of tamarisk biocontrol agents: *Diorhabda carinulata*, *D. carinata*, *D. elongata*, and *D. sublineata*." Advancing Insect Genomics Through the Ag100Pest and

i5K Initiatives Member Symposium Entomological Society of America: Adapt. Advance. Transform. Virtual. October 31 – November 3, 2021.

2021 **Stahlke AR**. "Accelerating arthropod genomics research by equipping and bridging scientific communities." USDA-ARS Administrator's Council Meeting. Virtual. September 14, 2021.

2021 **Stahlke AR**. "Rapid range expansion and hybridization of the biocontrol agent, the tamarisk beetle (*Diorhabda* spp.)." Pacific Branch Entomological Society. Virtual. April 6, 2021.

2021 **Stahlke AR**. "Improving our understanding of rapid evolution with genomic resources in a hybridizing, range expanding biocontrol agent, the tamarisk beetle (*Diorhabda* spp.)" AGSX Virtual Symposium Spring 2021. March 9, 2021.

2021 Johnson M, Ozsoy Z, **Stahlke AR**, Jamison L, Calvo C, Gillespie R and Raemy W. "Tamarisk leaf beetle species distribution, tamarisk phenology and tamarisk leaf beetle molecular identification within the Lower Colorado River, Hassayampa River, Centennial Wash Gila River, AZ/NM, Little Colorado River, Salt River, San Pedro River, Tonto Creek, Verde River and Rio Grande River, NM Watersheds". Virtual. Southwestern Willow Flycatcher - Riparian Ecology Workshop. Virtual. RiversEdge West. November 12, 2020.

2020 **Stahlke AR**. "Genome-wide assessment of establishment, gene flow, and range expansion in the tamarisk beetle (*Diorhabda* spp)." Pacific Branch Entomological Society of America. Spokane, WA. (Postponed for 2021).

2019 **Stahlke AR.** "Innovation in Conservation at the Invasion Front." Inland Northwest Symposium on Research Computing and Data Science. Moscow, ID. May 16, 2019.

2019 **Stahlke AR**, Xuereb AX, Forester B. "Mind the Gap: Filtering and imputation of missing genomic data in genotype-environment associations." United States Regional Association of the International Association for Landscape Ecology. Fort Collins, CO. April 10, 2019.

2019 Hohenlohe PA, **Stahlke AR**, McCallum H, Jones ME, Hamede R, Storfer A. "The devils' cancer: Genomics of rapid evolution and adaptive potential in the face of epidemic disease". Plant and Animal Genome XXVII. San Diego, CA. January 14, 2019.

2018 **Stahlke AR.** "Range expansion, admixture & hybridization in a biological control agent, the tamarisk leaf beetle, *Diorhabda* spp." Palouse Ecology, Evolutionary, and Systematics Group, Moscow, ID. November 8, 2018.

2017 **Stahlke AR.** "Hitchhiker's Guide to RADseq: Molecular ecology in the next Generation." United States Department of Agriculture – National Plains Agricultural Research Laboratory. Sidney, MT. July 22, 2017.

2016 **Stahlke AR.** "Genomics of the tamarisk leaf beetle and Tasmanian devils." Xinjiang Institute of Geography and Ecology, Chinse Academy of Sciences. Urumqi, Xinjiang, China. July 10, 2016.

CONTRIBUTED ORAL PRESENTATIONS

2020 **Stahlke AR,** West N, Gaskin J**. "**Environmental Determinants of Clonal Spread in Whitetop (*Lepidium draba*) in northeast Colorado". 18th Annual RiversEdge West Riparian Restoration Conference. Grand Junction, CO. February 5, 2020.

2019 **Stahlke AR.** "Gene flow and range expansion in the tamarisk beetle (*Diorhabda* spp)." W4185: Biological Control in Pest Management Systems of Plants. Fort Collins, CO. October 3, 2019.

2019 **Stahlke AR,** Bitume EV, Özsoy AO, Bean DW, Hufbauer R, Hohenlohe PA. "Genomic insights to rapid range expansion in a hybridizing biological control agent, the tamarisk leaf beetle." Arthropod Genomics Symposium. Manhattan, KS. June 13, 2019.

2018 **Stahlke AR,** Bitume EV, Özsoy AO, Bean DW, Hufbauer R, Hohenlohe PA. "Prospects in understanding the role of eco-evolutionary dynamics in a range expanding, hybridizing agent, the tamarisk leaf beetle, *Diorhabda* spp." XV International Symposium for Biological Control of Weeds. Engelberg, Switzerland. August 28, 2018.

2018 **Stahlke, AR.** W4185: Biological Control in Pest Management Systems of Plants. "Insight Gained from the Genome of Tamarisk Leaf Beetle (*Diorhabda* spp.)." Whitefish, MT. October 12, 2018.

2017 **Stahlke, AR**. W4185: Biological Control in Pest Management Systems of Plants. "Genomic study of the tamarisk leaf beetle." Borrego Springs, CA. June 2, 2017.

2017 **Stahlke AR**, Hohenlohe PA. "Novel solution to an old problem? Adaptation to a transmissible cancer in the Tasmanian Devil." Evolution. Portland, OR.

2016 **Stahlke AR** & Bitume EV. "Using Genomics to Understand Hybridization and Selection in Biocontrol: The Tamarisk Leaf Beetle as a Case Study." The Road to Riparian Restoration: Innovations for Working on Public, Private and Tribal Lands in the Arid West. Grand Junction, CO. February 10, 2016.

2016 **Stahlke, AR**. "Advances in DNA sequencing and bioinformatics give biocontrol practitioners powerful new tools." W3185: Biological Control in Pest Management Systems of Plants. Glenwood Springs, CO. October 5, 2016.

CONTRIBUTED POSTER PRESENTATIONS

2018 Lewallen K, **Stahlke AR**, Hohenlohe PA. "Comparative genomics, evolution and transmissible cancers in Tasmanian devils (*Sarcophilus harrisii*)." 14th Annual University of Idaho College of Science Student Research Exposition. Moscow, ID.

2018 **Stahlke AR,** Bitume EV, Özsoy AO, Bean DW, Hufbauer R, Hohenlohe PA. "Prospects in understanding the role of eco-evolutionary dynamics in a range expanding, hybridizing agent, the tamarisk leaf beetle, *Diorhabda* spp." Institute for Bioinformatics and Evolutionary Studies (IBEST) External Advisory Symposium. Moscow, ID.

2018 **Stahlke AR,** Bitume EV, Özsoy AO, Bean DW, Hufbauer R, Hohenlohe PA. "Genome-wide assessment of hybridization, admixture, and range expansion in the tamarisk leaf beetle." EVO-WIBO. Townsend State Park, WA.

2017 **Stahlke AR,** Bitume EV, Özsoy AO, Bean DW, Hufbauer R, Hohenlohe PA. "Genomic Tools Reveal Hybridization, Admixture, and Differential Establishment Among Introduced Tamarisk Beetle (*Diorhabda* spp.) Source Populations." Tamarisk Coalition Meeting. Grand Junction, CO.

2016 **Stahlke AR**, Bitume E, Hohenlohe PA. "Genomic approaches in weed biological control: Diversity in the introduced tamarisk leaf beetle (*Diorhabda* spp.)." American Genetics Association. Adapt2Human Symposium. Colorado State University. Fort Collins, CO.

2016 **Stahlke AR**, Bitume E, Hohenlohe PA. "Genomic approaches in weed biological control: Diversity in the introduced tamarisk leaf beetle (*Diorhabda* spp.)." Landscape Genetics Distributed Graduate Symposium. Couer d'Alane, ID.

2016 **Stahlke AR**, Bitume E, Hohenlohe PA. "Genomic approaches in weed biological control: Diversity in the introduced tamarisk leaf beetle (*Diorhabda* spp.)." Inland Northwest Genomics Resources Symposium. Moscow, ID.

2015 Hendricks S, **Stahlke AR**, Epstein B, Wiench C, Schonfeld B, Hamede R, Jones M, Storfer A, Hohenlohe P. 2015. "Rapid evolutionary response to infections cancer." IBEST Resources Symposium. Moscow, ID.

2014 **Stahlke AR**, Woodard K, Ozsoy Z. "Phenology and molecular genetic studies on *Coniatus* spp., a natural, nonnative enemy of the invasive shrub Tamarix spp. recently discovered in Colorado." $\beta\beta\beta$ Biological Honors Society National Convention. Erie, PA.

2014 **Stahlke AR**, Woodard K, Ozsoy Z. "Phenology and molecular genetic studies on *Coniatus* spp., a natural, nonnative enemy of the invasive shrub Tamarix spp. recently discovered in Colorado." $\beta\beta\beta$ Biological Honors Society West District Convention. Pueblo, CO.

2013 **Stahlke AR**, Johnson G, Ozsoy Z. "Preliminary efforts to monitor hybridization of *Diorhabda* spp. by molecular identification." Tamarisk Coalition Conference. Grand Junction, CO.

HONORS

2021 Diane Haynes Memorial Award, Outstanding Graduate in College of Science, University of Idaho

2021 Dean's Graduate Award, Outstanding Graduate in Bioinformatics and Computational Biology Program, University of Idaho

2020 Paul Joyce Memorial Bioinformatics and Computational Biology Fellowship Award, University of Idaho

2018 EVO-WIBO Outstanding Poster

2014 $\beta\beta\beta$ Biological Honors Society National Convention Frank G. Brooks Award for First Place Oral Presentation in Ecology

2014 $\beta\beta\beta$ Biological Honors Society District Convention Frank G. Brooks

	Award for First Place Oral Presentation in Ecology
2013	Colorado Mesa University Organization Member of the Year

OUTREACH AND SERVICE

2022	USDA-ARS Postdoctoral Fellows Network Agri*Culture* Seminar Series Chair
2021 – 2022	USDA-ARS Postdoctoral Fellows Network Northeast Area Representative
2021 – 2022	USDA-ARS Postdoctoral Fellows Network Agri*Culture* Seminar Series Committee Member
2021	Board Member: RiversEdge West
2019	Organizer: University of Idaho Carpentry Instructor Initiative
2018	Randall Women in Science: Inclusion, Diversity, and Equality Alliance Board Member
2017 – Present	Reviewer: *Molecular Ecology Resources*, *Evolutionary Applications*, *G3: Genes|Genomes|Genetics*
2017 – 2020	500WomenScientists Palouse Pod Coordinator Mentorship
2011 – 2013	Colorado Mesa University Sustainability Council President
2010 – 2011	Colorado Mesa University Sustainability Council Secretary

PROFESSIONAL SOCIETY MEMBERSHIP

2017 – Present	American Society of Naturalists
2017 – Present	International Organization of Biological Control
2016 – Present	Entomological Society of America
2013	$\beta\beta\beta$ Biological Honors Society