

# SARAH HENDRICKS, Ph.D.

University of Idaho  
Moscow, ID 83843

sarahhendricks.weebly.com

## EDUCATION

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- 2014 – 2019    **Ph.D. in Bioinformatics and Computation Biology**  
Advisor: Dr. Paul Hohenlohe, Associate Professor, Departments of Biological Sciences and Statistics  
University of Idaho, Moscow, ID
- 2007 – 2009    **M.S. in Biological Sciences – Conservation Biology**  
Advisor: Dr. Greg Spicer, Professor, Department of Biology  
San Francisco State University, San Francisco, CA
- 2002 – 2007    **B.S. in Biological Sciences and Women’s & Gender Studies**  
DePaul University, Chicago, IL

## SKILLS & EXPERTISE

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- Computational    UNIX/Linux; bash; R, Python (basic); parallel computing (slurm & torque); data visualization; cloud-based collaboration software (OpenStacks); Git; LaTeX; whole genome resequencing, targeted resequencing, RNAseq, and RADseq data processing, data archival (Sequence Read Archival (SRA)); Microsoft Suite – Word, PowerPoint, Excel; GIS (basic); QuickBooks
- Laboratory        molecular laboratory techniques, DNA and RNA extraction, Illumina DNA library prep, PCA, qPCR, sanger sequencing, microsatellite development and genotyping, capture array library preparation, RADseq library preparation, RNAseq library preparation, BSL-2 laboratory practices
- Research         conservation genetics, population genetics, evolution, phylogenetics
- Communication    10+ first author peer-reviewed publications, public speaking, science communication, K–12 STEM outreach, event planning, public comment letters
- Management      multidisciplinary collaboration, grant application preparation and reporting, project management
- Interpersonal     listening skills, respectful, tactful, inclusive
- Other              showing initiative, analytical, strategic thinking, adaptability, detail-oriented, organized

## EXPERIENCE

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- Bioinformatics Data Scientist** **2022 – Present**  
Computational One Health Initiative and Genomics & Bioinformatics Resource Core  
Institute for Interdisciplinary Data Sciences, University of Idaho, Moscow, ID  
Supervisor: Dr. Kimberly Andrews, Bioinformatics Data Scientist
- Terrestrial Project Manager, Northern Idaho** **2021 - 2022**  
Idaho Governor’s Office of Species Conservation, Moscow, ID  
Supervisor: Josh Uriarte, Species Program Manager & Policy Advisor
- Idaho Science and Technology Policy Fellow** **2020 - 2021**  
Idaho Governor’s Office of Species Conservation, Boise, ID  
Supervisor: Michael Edmondson, Administrator  
James A & Louis McClure Center for Public Policy Research, University of Idaho, Moscow, ID  
Supervisor: Dr. Katherine Himes, Director
- Postdoctoral Bioinformatics Researcher** **2020 - 2020**  
Hohenlohe Laboratory, Department of Biological Sciences, University of Idaho, Moscow, ID  
Supervisor: Dr. Paul Hohenlohe, Associate Professor
- Senior Research Coordinator** **2019 – 2020**  
Conservation Genetics, San Diego Zoo Institute for Conservation Research, Escondido, CA  
Supervisor: Dr. Aryn Wilder, Researcher

<b>Graduate Research Assistant</b>	<b>2014 – 2019</b>
Hohenlohe Laboratory, Department of Biological Sciences, University of Idaho, Moscow, ID Supervisor: Dr. Paul Hohenlohe, Associate Professor	
<b>Staff Associate Researcher</b>	<b>2011 – 2014</b>
Wayne Laboratory, Department of Ecology and Evolutionary Biology, UCLA, Los Angeles, CA Supervisor: Dr. Robert Wayne, Professor, Department of Ecology and Evolutionary Biology	
<b>Staff Associate Researcher</b>	<b>2009 – 2010</b>
Smith Laboratory, Center of Tropical Research, UCLA, Los Angeles, CA Supervisor: Dr. Thomas Smith, Distinguished Professor, Department of Ecology and Evolutionary Biology; Founding Director, Center of Tropical Research; Co-executive Director, Congo Basin Institute	
<b>Graduate Research Assistant</b>	<b>2007 – 2009</b>
Spicer Laboratory & Conservation Genetics Laboratory, SFSU, San Francisco, CA	

## GRANTS AND FELLOWSHIPS

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2021	Conservation Voters of Idaho Boards and Commissions Fellowship (\$1,000)
2020	Idaho Science and Technology Policy Fellowship (\$58,000)
2019	College of Science Diane Haynes Memorial Award (\$1,000)
2019	College of Science Dean's Graduate Award (\$300)
2019	Graduate and Professional Student Associate Outstanding Student Award (\$500)
2018	Bioinformatics and Computational Biology Fellowship (\$24,000)
2018	Paul Joyce Memorial Fellowship (\$2,500)
2018	Graduate and Professional Student Associate Publication Grant (\$700)
2018	Evolutionary Genomics Symposium Travel Grant (\$500)
2018	Graduate and Professional Student Associate Travel Grant (\$500)
2017	Bioinformatics and Computational Biology Fellowship (\$22,000)
2016	Graduate and Professional Student Associate Travel Grant (\$700)
2016	Society for Molecular Biology and Evolution Conference Registration Reimbursement Award (\$400)
2016	Graduate and Professional Student Association Travel Grant (\$450)
2014	University of Idaho, College of Science Travel Grant (\$1,500)
2008	Training in Ecology and Evolution (TREE) Fellowship (\$10,000)
2008	Achievement Rewards for College Scientists (ARCS) Scholarship (\$10,000)
2008	Instructionally Related (IRA) Research Awards (\$300) and Travel Awards (\$150)

## PROFESSIONAL DEVELOPMENT

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2022	University of Washington, Biostatistics, Evolutionary Dynamics and Molecular Epidemiology of Viruses
2021	NOAA Tribal Training
2021	Wildlife/Forestry Conservation Certificate, Penn Foster
2021	Shipley Group: Overview of the Endangered Species Act
2021	Public Policy Analysis for Scientists & Engineers, Science and Technology Policy Academy
2021	Communicating Your Policy Analysis to Policymakers and the Public, Science and Technology Policy Academy
2021	Benefits-Cost Analysis, Science and Technology Policy Academy
2017	American Institute of Biological Sciences: Informing and Engaging Decision-makers Workshop
2017	ComSciCon-Pacific Northwest
2016	University of Idaho RAD-seq Workshop (Stacks and PyRAD), RevBayes Workshop
2015	ConGen2015: Recent Advances in Conservation Genetics
2013	UCLA La Kretz Workshop in Conservation Genomics
2013	UCLA Computational Bioscience Initiative Workshops
2012	UCLA Practical Computing for Biologist

## PEER-REVIEWED PUBLICATIONS

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- Hendricks, S.,** King, J., Duncan, C.L., Vickers, T.W., Hohenlohe, P., Davis, B.W. (2022). Genetic Assessment of Cancer Susceptibility in the Threatened Catalina Island Fox (*Urocyon litteralis catalinae*). *Genes*. DIO:10.3390/genes13081496

2. Peterson, K., **Hendricks, S.**, Hohenlohe, P., Parent, C. (2022). Panmixia in spiders (*Mecaphesa celer*) despite fragmented habitat at Craters of the Moon in Idaho. *Ecological Entomology*. DIO:10.1111/een.13149
3. Barbosa, S., **Hendricks, S.**, Funk, W. C., Rajora, O., Hohenlohe, P. (2021). “Wildlife population genomics: applications and approaches”. *Population Genomics: Wildlife*. Ed Om Rajora and Paul Hohenlohe. Springer International Publishing
4. Stahlke, A., Epstein, B., Barbosa, S., Margres, M., Patton, A., **Hendricks, S.**, Veillet, A., Fraik, A., Schönfeld, B., Hamede, R., McCallum, H., Jones, M., Storfer, A., Hohenlohe, P. (2021). Contemporary and historical selection in Tasmanian devils (*Sarcophilus harrisii*) support novel, polygenic response to transmissible cancer. *Proc. R. Soc. B*. 288.20210577. DIO:10.1098/rspb.2021.0577.
5. Carlos C., Rohlf, D., vonHoldt, B., Treves, A., **Hendricks, S.** (2021). Wolf Delisting Challenges Demonstrate Need for an Improved Framework for Conserving Intraspecific Variation under the Endangered Species Act. *BioScience* 71(1): 73–84. DIO: 10.1093/biosci/biaa125
6. Kozakiewicz, C., Ricci, L., Patton, A., Stahlke, A., **Hendricks, S.**, Margres, M., Ruiz-Aravena, M., Hamilton, D., Hamede, R., McCallum, H., Jones, M., Hohenlohe, P., 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*
7. Fraik, A., Margres, M., Epstein, B., Barbosa, S., Jones, M., **Hendricks, S.**, Schönfeld, B., Stahlke, A., Veillet, A., Hamede, R., McCallum, H., Lopez-Contreas, E., Kallinen, S., Hohenlohe, P., Kelley, J., Storfer, A. (2020). Disease swamps molecular signatures of genetic-environmental associations to abiotic factors in Tasmanian devil (*Sarcophilus harrisii*) populations. *Molecular Ecology* 74(7): 1392-1408. DIO: 10.1111/evo.14023
8. **Hendricks, S.**, Navarro, A., Wang, T., Wilder, A., Ryder, O., Shier, D. (2020). Patterns of genetic partitioning and gene flow in the endangered San Bernardino Kangaroo rat (*Dipodomys merriami parvus*) and implications for conservation management. *Conservation Genetics* 21(1456). DIO: 10.1007/s10592-020-01289-z
9. **Hendricks, S.**, Jones, M., Storfer, A., Hohenlohe, P. (2020). “Genomics of wildlife cancer: Tasmanian devils”. *Population Genomics: Wildlife*. Ed Om Rajora and Paul Hohenlohe. Springer International Publishing
10. **Hendricks, S.**, Schweizer, R., Wayne, R. (2019). Conservation genomics and adaptive uniqueness of North American Gray Wolves. *Conservation Genetics* 20(1): 29-43. DIO:10.1007/s10592-018-118-z
11. Patton, A., Margres, M., **Hendricks, S.**, Stahlke, A., Lewallen, K., Hamede, R., McCallum, H., Jones, M., Ryder, O., Hohenlohe, P., Storfer, A. (2019). Contemporary demographic reconstruction methods are robust to genome assembly quality: A case study in Tasmanian Devils. *Molecular Biology and Evolution*
12. Carroll, C., Lacy, R., Fredrickson, R., Rohlf, D., **Hendricks, S.**, Phillips, M. (2019). Biological and sociopolitical sources of uncertainty in population viability analysis for endangered species recovery planning. *Scientific Reports*. DIO:10.1038/s41598-019-45032-2
13. Margres, M., Ruiz-Aravena, M., Hamede, R., Jones, M., Lawrance, M., **Hendricks, S.**, Patton, A., Davis, B., Ostrander, E., McCallum, H., Hohenlohe, P., Storfer, A. (2018). The genomic basis of tumor regression in Tasmanian devils (*Sarcophilus harrisii*). *Genome Biology and Evolution*. DIO:10.1093/gbe/evy229
14. Margres, M., Jones, M., Epstein, B., Kerlin, D., Comte, S., Fox, S., Fraik, A., **Hendricks, S.**, Huxtable, S., Lachish, S., Lazenby, B., O'Rourke, S., Stahlke, A., Wiench, C., Hamede, R., Schönfeld, B., McCallum, H., Miller, M., Hohenlohe, P., Storfer, A. (2018) Large-effect loci affect survival in Tasmanian devils (*Sarcophilus harrisii*) infected with a transmissible cancer. *Molecular Ecology* 27(21): 4189-4199. DIO:10.1111/mec.14853
15. **Hendricks, S.\***, Schweizer, R.\*, Harrigan, R., Pollinger, J., Paquet, P., Darimont, C., Adams, J., Waits, L., vonHoldt, B., Hohenlohe, P., Wayne, R. (2018). Natural re-colonization and admixture of wolves (*Canis lupus*) in the US Pacific Northwest: challenges for the protection and management of endangered taxa. *Heredity*. DIO:10.1038/s41437-018-0094-x \*equal contribution
16. **Hendricks, S.**, Anderson, E.C., Antao, T., Bernatchez, L., Forester, B.R., Garner, B., Hand, B., Hohenlohe, P., Kardos, M., Koop, B., Sethuraman, A., Waples, R., Luikart, G. (2018). Recent advances in conservation and population genomics data analysis. *Evolutionary Applications* 11(8): 1197-1211. DIO:10.1111/eva.12659
17. **Hendricks, S.**, Koblmüller, S., Harrigan, R., Leonard, J., Schweizer, R., vonHoldt, B., Kays, R., Wayne, R. (2017). Defense of an Expanded Historical Range for the Mexican Wolf: A Comment to Heffelfinger et al. *Journal of Wildlife Management* 81(8): 1331-1333. DOI:10.1002/jwmg.21336

18. **Hendricks, S.**, Epstein, B., Hamede, R., Wiench, C., Schönfeld, B., Jones, M., McCallum, H., Murchinson, E., Storfer, A., Hohenlohe, P. (2017). Conservation implications of limited genetic diversity and population structure in Tasmanian devils (*Scarcophilus harrisii*). *Conservation Genetics* 18: 977-982. DOI:10.1007/s10592-017-0939-5
19. Epstein, B., Hamede, R., **Hendricks, S.**, Jones, M., McCallum, H., Murchison, E., Schönfeld, B., Wiench, C., Hohenlohe, P., Storfer, A. (2016). Rapid evolutionary response to a transmissible cancer in Tasmanian devils. *Nature Communications* 7:12684. DOI:10.1038/ncomms12684
20. **Hendricks, S.**, Sesink-Clee, P., Harrigan, R., Pollinger, J., Freedman, A., Callas, R., Figura, R., Wayne, R. (2016). Re-defining geographic range in species with sparse historic records: Implications for the Mexican wolf reintroduction program. *Biological Conservation* 194: 48-57. DOI:10.1016/j.biocon.2015.11.027
21. Koepfli, K., Pollinger, J., Godinho, R., Robinson, J., Lea, A., **Hendricks, S.**, Schweizer, R., Thalmann, O., Silva, P., Fan, Z., Yurchenko, A., Dobrynin, P., Makunin, A., Cahill, J., Shapiro, B., Alvares, F., Brito, J., Geffen, E., Leonard, J., Johnson, W., Helgen, K., Johnson, W., O'Brian, S., Van Valkenburgh, B., Wayne, R. (2015). Genome-wide Evidence Reveals that African and Eurasian Golden Jackals Are Distinct Species. *Current Biology* 25(16): 2158-2165. DOI:10.1016/j.cub.2015.06.060
22. **Hendricks, S.**, Charruau, P., Pollinger, J., Callas, R., Figura, P., Wayne, R. (2014). Polyphyletic ancestry of historic gray wolves inhabiting U.S. pacific states. *Conservation Genetics* 1-6. DOI:10.1007/s10592-014-0687-8
23. **Hendricks, S.**, Flannery, M., Spicer, G. (2013). Molecular cophylogeny of quill mites from the genus *Syringophilopsis* (Acari: Syringophilidae) and their North American passerine hosts. *Journal of Parasitology* 99(5): 827-834. DOI:10.1645/GE-2400.1
24. Bochkov, A., Skoracki, M., **Hendricks, S.**, Spicer, G. (2011). Further investigations of the mite genus *Syringophiloides* Kethley, 1970 (Acariformes: Syringophilidae) from North American passerines. *Systematic Parasitology* 79: 201-211. DOI:10.1007/s11230-011-9306-y
25. Molecular Ecology Resources Primer Development Consortium (MERPDC), Bonizzoni, M., Bourjea, J., Chen, B., Cain, B., Cui, L., Fiorentino, V., Hartmann, S., **Hendricks, S.**, Ketmaier, V., Ma, X., Muths, D., Pavesi, L., Pfautsch, S., Rieger, M., Santonastaso, T., Sattabongkot, J., Taron, C., Taron, D., Tiedemann, R., Yan, G., Zheng, B., and Zhong, D. (2011). Permanent Genetic Resources added to Molecular Ecology Resources Database 1 April 2011-31 May 2011. *Molecular Ecology Resources* 11. 935-936. DOI:10.1111/j.1755-0998.2011.03046.x
26. Skoracki, M., **Hendricks, S.**, Spicer, G. (2011). On systematics of the genus *Syringophilopsis* Kethley, 1970 (Acari: Prostigmata: Syringophilidae) with the descriptions of three new species from North American passerines. *Zootaxa* 2793: 1-22.
27. Skoracki, M., **Hendricks, S.**, Spicer, G. (2010). Systematics of the ectoparasitic quill mites of the genus *Aulobia* Kethley, 1970 (Acari: Syringophilidae) with the descriptions of a new species. *Zootaxa* 2399: 31-41.
28. Skoracki, M., **Hendricks, S.**, Spicer, G. (2010). New Species of parasitic quill mites of the genus *Picobia* (Acari: Syringophilidae: Picobiinae) from North American birds. *Journal of Medical Entomology* 47(5): 727-742. DOI: 10.1093/jmedent/47.5.727
29. Skoracki, M., **Hendricks, S.**, Spicer, G. (2010). Four new species of Aulonastus Kethly, 1970 (Acari: Syringophilidae) from North American passerines. *Systematic Parasitology* 76(2): 131-144. DOI:10.1007/s11230-010-9240-4

## MANUSCRIPTS IN PREPARATION

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\* Graduate student mentee

1. Tumendemberel, O. \*, **Hendricks, S.**, Hohenlohe, P., Sullivan, J., Zedrosser, A., Saebo, A., Waits, L., (*In prep*). Understanding brown bear evolutionary history using whole genome data
2. **Hendricks, S.**, Vella, C., New, D., Aunjum, A., Antush, M., Geidl, R., Andrews, K., Balemba, O. (*In review*). High-resolution Taxonomic Characterization Reveals Novel Human Microbial Strains with Potential as Risk Factors and Probiotics for Prediabetes and Type 2 Diabetes.
3. **Hendricks, S.**, Vella, C., New, D., Balemba, O., Andrews, K. (*In prep*). Assessment of two amplicon sequencing methods targeting the 16S-ITS-23S rRNA operon for high resolution taxonomic classification of microbiomes

## PROFESSIONAL PRESENTATIONS

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- Rashed, A., Nikoukar, A., **Hendricks, S.**, Andrews, K. (2022). The challenges and future of integrated pest management of wireworms (*Coleoptera: Elateridae*). Entomological Society of America Annual Meeting, Vancouver, Canada.
- Hendricks, S.**, Schweizer, R, Hohenlohe, P., Wayne, R. (2019). Natural re-colonization and admixture of wolves (*Canis lupus*) in the US Pacific Northwest: challenges for the protection and management of endangered taxa. Oral Presentation, Canadian Society of Ecology and Evolution Meeting, Fredericton, NB, Canada
- Hendricks, S.** (2019). Outfoxing cancer: Genetic isolation and a unique disease threatening the island fox. Oral Presentation, American Society of Naturalist, Evolution Meeting, Providence, RI
- Hendricks, S.** (2019). Application of conservation genomics in canids. Oral Presentation, San Diego Zoo Institute for Conservation Research, Escondido, CA
- Hendricks, S.** (2018). Application of conservation genomics in two canid systems. Oral Presentation, University of Montana, Missoula, MT
- Hendricks, S.**, Vickers, T.H., Wayne, R., Hohenlohe, P. (2018). Outfoxing Cancer: Genetic isolation and a unique disease threatening the island fox. Poster Presentation:  
Evolutionary Genomics of Adaptation Symposium, University of Montana Flathead Lake Biological Station, MT  
North American Congress for Conservation Biology, Toronto, Canada  
IBEST Science Exposition, University of Idaho, Moscow, ID  
College of Science Student Research Exposition, University of Idaho, Moscow, ID
- Hendricks, S.**, Schweizer, R, Hohenlohe, P., Wayne, R. (2017). Natural re-colonization and admixture of wolves (*Canis lupus*) in the US Pacific Northwest: challenges for the protection and management of endangered taxa. Oral Presentation, IBEST Lightning Talks, Moscow, ID
- Hendricks, S.**, Vickers, T.H., Wayne, R., Hohenlohe, P. (2017). Genetic isolation and a unique disease threatening the island fox. Oral Presentation, American Society of Mammalogist Meeting, Moscow, ID
- Hendricks, S.**, Hohenlohe, P. (2017). A novel system for the genetics of inflammation-induced cancer. Oral Presentation, IBEST Symposium: Ecological and Evolutionary Drivers of Human Health and Welfare, Moscow, ID
- Hendricks, S.**, Schweizer, R, Hohenlohe, P., Wayne, R. (2017). Source dynamics of the naturally re-established carnivore, *Canis lupus*. Oral Presentation, Global Biodiversity Genomics Conference, Washington D.C.
- Hendricks, S.**, Wayne, R., Hohenlohe, P. (2016). Source dynamics of the naturally re-established carnivore, *Canis lupus*. Oral Presentation, SMCBE, Queensland, Australia
- Hendricks, S.**, Hohenlohe, P. Applying genomics to conservation: A tale of two cancers. Poster Presentation:  
Global Biodiversity Genomics Conference, Washington D.C. (2017)  
College of Science Expo, University of Idaho, Moscow, ID (2016)  
IBEST Science Expo, University of Idaho, Moscow, ID (2016)  
Inland Northwest Genomics Research Symposium, Moscow, ID (2016) *Best presentation award*  
Landscape Genetics Synthesis Meeting, Cour d'Alene, ID (2016)
- Hendricks, S.**, Wayne, R., Hohenlohe, P. (2016). Source-sink dynamics in naturally re-established Pacific Northwest wolves. Oral Presentation, EVO-WIBO, Port Townsend, WA
- Hendricks, S.**, Epstein, B., Jones, M., Storfer, A., Hohenlohe, P. (2016). Rapid Evolutionary Response to Infectious Cancer. Oral Presentation, Plant and Animal Genome Conference, San Diego, CA
- Hendricks, S.**, Stahlke, A., Epstein, B., Wiench, C., Schonfeld, B., Hamede, R., Jones, M., Storfer, A., Hohenlohe, P. Rapid Evolutionary Response to Infectious Cancer. Poster Presentation:  
Plant and Animal Genome Conference, San Diego, CA (2016)  
College of Science Expo, University of Idaho, Moscow, ID (2015)  
IBEST Science Expo, University of Idaho, Moscow, ID (2015)
- Hendricks, S.** and Spicer, G. (2008). Cospeciation in parasitic quill mites (Acari: Syringophilidae) and their bird hosts. Oral Presentation, Entomological Society of America Meeting, Reno, Nevada

## INSTITUTIONAL SERVICE

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2020 - Present Assistant Editor, Evolutionary Applications  
2015 - 2020 Peer-reviewer: Science Advances, Biological Conservation, Heredity, Science Advances, Molecular Ecology Resources  
2018 Hiring committee member for Associate Vice President of Research, University of Idaho  
2017 Hiring committee member for Hohenlohe laboratory manager  
2017 - 2018 Graduate and Professional Student Association senator  
2016 - 2018 Hosted departmental seminar speakers, Drs. Tracy Health, Arun Sethuraman, Zev Kronenberg, Tyler Zartzinel

### *Advancement for Women in STEM fields*

2017 - 2018 Randall Women in Science: Inclusion, Diversity, and Equality Alliance (IDEA) founder and organizer  
2017 "CODE: Debugging the Gender Gap" event co-organizer  
2015 - 2018 Hosted Randall Women in Science event for Drs. Shelley Copley, Corrie Moreau, Ellie Graeden, Nancy Moran, Nancy Flournoy, Amy Mathers, Billie Swalla, Martha Muñoz, Catherine Linnen  
2014 - 2016 Women in Math and Science (WIMS) education event, University of Idaho

## TEACHING EXPERIENCE

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### *Guest Lecturer*

2017 ConGen2017, University of Montana, Flathead Lake, MT  
2015 Advanced Evolution, University of Idaho, Moscow, ID

### *Graduate Teaching Assistant*

2009 Ornithology, SFSU, San Francisco, CA  
2007 Molecular Techniques in Evolution and Ecology, SFSU, San Francisco, CA  
2005 General Biology Laboratory, DePaul University, Chicago, IL

## SELECTED SCIENCE EDUCATION OUTREACH

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2022 Interviewed for Stories from the field blog, Engineers & Scientists Acting Locally  
2019 Interviewed for the Heredity podcast:  
<https://media.nature.com/original/natureassets/multimedia/podcast/hdy/hdypodcast1901-2.mp3>  
2018 "Outfoxing Cancer Revisited", Science After Hours, Palouse Clearwater Environmental Institute, Moscow, ID  
2018 Question and Answer in Experimental Methods class, Northview High School, Grand Rapids, MI  
2017 Question and Answer in Experimental Methods class, Northview High School, Grand Rapids, MI  
2017 "Plants and Bugs Up Close", Science Saturdays, University of Idaho Arboretum, Moscow, ID  
2017 Lead organizer of fundraising event for Paul Joyce Memorial Foundation  
2016 "Outfoxing Cancer", Science After Hours, Palouse Clearwater Environmental Institute, Moscow, ID  
2016 Question and Answer in Experimental Methods class, Northview High School, Grand Rapids, MI  
2016 Lead organizer of fundraising event for #Cycling4AntibioticAction  
2015 "Cancer in Carnivores", Science After Hours, Palouse Clearwater Environmental Institute, Moscow, ID  
2015 Darwin Day's Road Show, National Evolutionary Synthesis Center (NESCent), Lewiston, ID