

Date Prepared: October 14, 2019

Curriculum Vitae
Kyle D. Gustafson

Appointed, August 2018

Assistant Professor of Biology & Environmental Health, since August 2018

Tenure: TBD

EDUCATION

PhD	Oklahoma State University	2016	(Zoology)
Graduate Certificate	Oklahoma State University	2014	(Interdisciplinary Toxicology)
MS	University of North Dakota	2011	(Biology)
BS	University of North Dakota	2009	(Wildlife and Fisheries Biology)

PROFESSIONAL EXPERIENCE

Missouri Southern State University	Assistant Professor	2018–
University of Wyoming	Postdoctoral Researcher	2016–2018
Oklahoma State University	Laboratory Instructor	2015–2016
Oklahoma State University	National Academy of Sciences Ford Fellow	2014–2015
Oklahoma State University	Researcher Assistant	2014
Oklahoma State University	Laboratory Instructor	2011–2014
University of North Dakota	Laboratory Instructor	2010–2011
University of North Dakota	USDA Graduate Research Assistant	2009–2010
University of North Dakota	Ronald E. McNair Research Scholar	2008–2009
USGS Wildlife Research Center	Lead Biological Science Technician	2008
University of North Dakota	NSF Advanced Undergrad Researcher	2007

COURSES TAUGHT

Missouri Southern State University

General Biology	BIOL 101	2 sections
Principles of Biology I Lecture/Lab	BIOL 108/109	4 sections
Genetics Lecture/Lab	BIOL 305	4 section
Environmental Toxicology	EH 371	2 online sections

University of Wyoming

Conservation Genomics Seminar	ECOL 5602	1 section
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Oklahoma State University

Animal Biology Laboratory	ZOOL 1604	6 semesters
General Parasitology Laboratory	ZOOL 4104	1 semester
Introductory Biology Laboratory	ZOOL 1114	1 semester

University of North Dakota

Population Biology Laboratory	BIOL 333	1 semester
Systematic Botany Laboratory	BIOL 336	1 semester

TEACHING LOAD

<u>Fall 2018</u>	<u>Course</u>	<u>Credits</u>	<u>Spring 2019</u>		
BIOL 108	Principles of Biol I	8	BIOL 101	General Biology	5
BIOL 305	Genetics	5	BIOL 305	Genetics	5
			EH 371	Environ Toxicology	6
<u>Fall 2019</u>			<u>Spring 2020</u>		
BIOL 108	Principles of Biol I	8	BIOL 305	Genetics	6
BIOL 305	Genetics	6	BIOL 361	Parasitology	5

PUBLICATIONS

PEER-REVIEWED

- Gustafson, KD**, BL Bly, and RA Newman. 2019. Color and pigment polymorphisms of northern leopard frogs on a prairie landscape. Herpetological Conservation and Biology 14:223–234
- Vazquez AA, **KD Gustafson**, B Harmeling, and HB Ernest. 2019. Genetic diversity of Yellow-billed Magpies before and after a West Nile Virus epidemic. Journal of Wildlife Diseases 55:316–324
- Gustafson, KD**, RB Gagne, TW Vickers, SPD Riley, CC Wilmers, VC Bleich, BM Pierce, M Kenyon, TL Drazenovich, JA Sikich, WM Boyce, and HB Ernest. 2019. Genetic source-sink dynamics among naturally structured and anthropogenically fragmented puma populations. Conservation Genetics 20:215–227.
- Gagne, RB, MT Tinker, **KD Gustafson**, K Ralls, S Larson, LM Tarjan, MA Miller, and HB Ernest. 2018. Measures of effective population size in sea otters reveal special considerations for wide-ranging species. Evolutionary Applications 11:1779-1790
- Gustafson, KD**, RA Newman, T Rhen, and VV Tkach. 2018. Spatial and genetic structure of directly-transmitted parasites reflects the distribution of their specific amphibian hosts. Population Ecology 60:261–273.
- Love Stowell, SM, EG Bentley, RB Gagne, **KD Gustafson**, L Rutledge, and HB Ernest. Optimal DNA extractions from blood on preservation paper limits conservation genomic but not conservation genetic applications. Journal for Nature Conservation 46:89–96
- Gustafson, KD**, MG Hawkins, TL Drazenovich, R Church, SA Brown, and HB Ernest. 2017. Founder events, isolation, and inbreeding: Intercontinental genetic structure of the domestic ferret. Evolutionary Applications 11:eva.12565
- Gustafson, KD**, TW Vickers, WM Boyce, and HB Ernest. 2017. A single migrant enhances the genetic diversity of an inbred puma population. Royal Society Open Science. 4:170115
- Gustafson, KD** and RA Newman. 2016. Multiscale occupancy patterns of anurans in prairie wetlands. Herpetologica 72:293–302
- Gustafson, KD**, JB Belden, and MG Bolek. 2016. Atrazine reduces the transmission of an amphibian trematode by altering snail and ostracod host–parasite interactions. Parasitology Research 115:1583–1594.

- Gustafson, KD**, and MG Bolek. 2016. Effects of trematode parasitism on the shell morphology of snails from flow and nonflow environments. Journal of Morphology 277:316–325
- Bolek, MG, HS Stigge, and **KD Gustafson**. 2016. The iron wheel of parasite life cycles: Then and now! Chapter 9:131–147 in A Century of Parasitology, (J Janovy, Jr. and GW Esch, eds.). Wiley Press.
- Beaty, LE, JD Wormington, BJ Kensinger, KN Bayley, SR Goepfner, **KD Gustafson**, and B Luttbeg. 2016. Shaped by the past, acting in the present: Transgenerational plasticity of anti-predatory traits. Oikos. 125:1570–1576.
- Gustafson, KD**, JB Belden, and MG Bolek. 2015. The effects of the herbicide atrazine on freshwater snails. Ecotoxicology. 24:1183–1197.
- Gustafson, KD**, and MG Bolek. 2015. Tradeoff between establishing an infection and killing the host: Response of snails (*Physa acuta*) to a gradient of trematode (*Halipegus eccentricus*) exposures. Journal of Parasitology. 101:104–107.
- Gustafson, KD**, RA Newman, EE Pulis, and KC Cabarle. 2015. A skeletochronological assessment of age–parasitism relationships in Wood Frogs (*Lithobates sylvaticus*). Journal of Herpetology. 49:122–130
- Gustafson, KD**, BJ Kensinger, MG Bolek, and B Luttbeg. 2014. Distinct snail (*Physa*) morphotypes from different habitats converge in shell shape and size under common garden conditions. Evolutionary Ecology Research. 16:77–89.
- Gustafson, KD**, RA Newman, and VV Tkach. 2013. Effects of host species and life stage on the helminth communities of sympatric northern leopard frogs (*Lithobates pipiens*) and wood frogs (*Lithobates sylvaticus*) in the Sheyenne National Grasslands, North Dakota. Journal of Parasitology. 99:587–594.

NON-PEER REVIEWED

- Gustafson, KD**, HB Ernest, and AA Gustafson. 2019. Population genetics and molecular mark-recapture of California’s Black Bears. Technical annual report submitted to California Department of Fish and Wildlife, Wildlife Branch–Game Management.
- Gustafson, KD**, HB Ernest, and AA Vazquez. 2018. Population genetics and molecular mark-recapture of California’s Black Bears. Technical annual report submitted to California Department of Fish and Wildlife, Wildlife Branch–Game Management.
- Gustafson, KD**, HB Ernest, and AA Vazquez. 2017. Population genetics and molecular mark-recapture of California’s Black Bears. Technical annual report submitted to California Department of Fish and Wildlife, Wildlife Branch–Game Management.
- Vickers, TW, K Zeller, HB Ernest, **KD Gustafson**, and WM Boyce. 2017. Mountain lion (*Puma concolor*) connectivity in the north San Diego County multi-species conservation plan area. A joint technical report submitted to San Diego County Association of Governments and California Department of Fish and Wildlife, Wildlife Investigations Unit.
- Ernest, HB and **KD Gustafson**. 2016. Population genetics of California Mountain Lions. Technical report Task3 submitted to California Department of Fish and Wildlife, Wildlife Investigations Unit.
- Gustafson, KD** and HB Ernest. 2016. Population genetics of California Mountain Lions. Technical report Task2b submitted to California Department of Fish and Wildlife, Wildlife Investigations Unit.

Ernest, HB and **KD Gustafson**. 2016. Population genetics of California Mountain Lions. Technical report Task2a submitted to California Department of Fish and Wildlife, Wildlife Investigations Unit.

Gustafson, KD, and RA Newman. 2012. Amphibian population trends on the Sheyenne National Grasslands. Final Report submitted to USDA Forest Service, Dakota Prairie National Grasslands.

Gustafson, KD, and RA Newman. 2011. Amphibian population trends on the Sheyenne National Grasslands. Technical Report submitted to USDA Forest Service, Dakota Prairie National Grasslands.

Gustafson, KD, and RA Newman. 2010. Amphibian population trends on the Sheyenne National Grasslands. Interim Report submitted to USDA Forest Service, Dakota Prairie National Grasslands.

UNDER REVIEW

Bolek, MG, G Langford, and **KD Gustafson**. Parasites in Relation to Other Organisms: Hosts, reservoirs, and vectors. Chapter 5a in Concepts in Animal Parasitology. (Gardner SL and SA Gardner, eds.) Zea Books Open Access

Bolek, MG, G Langford, and **KD Gustafson**. Parasites in Relation to Other Organisms: Life Cycles. Chapter 5b in Concepts in Animal Parasitology. (Gardner SL and SA Gardner, eds.) Zea Books Open Access

PRESENTATIONS

ORAL PRESENTATIONS

1. Gustafson, KD, RA Gagne, J Dellinger, and HB Ernest. August 24, 2019. Statewide population genomics of California's pumas. National Science Foundation FELIDAE conference. Snowy Mountain Ranch YMCA of the Rockies, Colorado.
2. Gustafson, KD, TW Vickers, WM Boyce, and HB Ernest. June 6, 2017. A single migrant enhances the genetic diversity of an inbred puma population. The Wildlife Society: International Urban Wildlife Conference. San Diego, California.
3. Gustafson, KD, WM Boyce, TW Vickers, BM Pierce, VC Bleich, M Kenyon, SPD Riley, CC Wilmers, T Drazenovich, RB Gagne, and HB Ernest. May 17, 2017. Statewide genetic analyses identify mountain lion populations and barriers to gene flow in California and Nevada. Western Association of Fish and Wildlife Agencies: Mountain Lion Workshop. Estes Park, Colorado.
4. Vickers, TW, K Zeller, T Smith, B Cohen, HB Ernest, KD Gustafson, P Huber, D Geremenga, V McFall, N Quinn, L Cullens, J Sanchez, and WM Boyce. May 17, 2017. Conserving mountain lions in southern California: Addressing fragmentation, conflict, and excess human-related mortality in comprehensive and collaborative ways. Western Association of Fish and Wildlife Agencies: Mountain Lion Workshop. Estes Park, Colorado.
5. Gustafson, KD and MG Bolek. June 25, 2015. Remodeling a stolen home: Effects of trematode parasitism on the functional shell morphology of snail shells in flow and nonflow environments. American Society of Parasitologists. Omaha, Nebraska.
6. Gustafson, KD, JB Belden, and MG Bolek. May 23, 2015. The effects of the herbicide atrazine on freshwater snails. Ozark Prairie – Society for Environmental Toxicology and Chemistry. Monsanto, St. Louis, Missouri.
7. Gustafson, KD and MG Bolek. April 17, 2015. Effects of trematode parasitism on the functional shell morphology of snail shells in flow and nonflow environments. Southwestern

Association of Parasitologists. The University of Oklahoma Biological Station, Lake Texoma, Oklahoma.

8. Gustafson, KD, JB Belden, and MG Bolek. November 10, 2014. The herbicide atrazine adversely affects trematode transmission through impacts on intermediate hosts. Society for Environmental Toxicology and Chemistry. Vancouver, BC, Canada.
9. Gustafson, KD, BJ Kensinger, B Luttbeg, and MG Bolek. July 25, 2014. Is your snail host who you think it is? Environmental effects on snail shell shape and implications for intermediate host identification. American Society of Parasitologists. New Orleans, LA.
10. Gustafson, KD, JB Belden, and MG Bolek. July 24, 2014. Who gets sicker the hosts or the parasite? The herbicide atrazine affects trematode development and transmission through impacts on intermediate hosts. American Society of Parasitologists. New Orleans, LA.
11. Bolek, MG, HA Stigge, and KD Gustafson. The iron wheel of parasite life cycles: Then and now! July 24, 2014. American Society of Parasitologists. New Orleans, LA.
12. Gustafson, KD, JB Belden, and MG Bolek. May 20, 2014. Who gets sicker the hosts or the parasite? The herbicide atrazine adversely affects parasite (Trematode) development and transmission through impacts on intermediate hosts. Ozark-Prairie Society of Environmental Toxicology and Chemistry. SynTech Research, Stilwell, Kansas.
13. Gustafson, KD, JB Belden, and MG Bolek. April 19, 2014. Who is sicker the host or the parasite? The herbicide atrazine adversely affects aquatic parasite (Trematode) transmission. Southwestern Association of Naturalists. Oklahoma State University, Stillwater, Oklahoma.
14. Gustafson, KD, BJ Kensinger, B Luttbeg, and MG Bolek. April 19, 2014. Distinct snail (*Physa*) phenotypes converge in shell shape and size under common garden conditions. Southwestern Association of Naturalists. Oklahoma State University, Stillwater, Oklahoma.
15. Gustafson, KD, JB Belden, and MG Bolek. April 11, 2014. Who is sicker the host or the parasite? The herbicide atrazine adversely affects aquatic parasite (Trematode) transmission. Southwestern Association of Parasitologists. The University of Oklahoma Biological Station, Lake Texoma, Oklahoma.
16. Gustafson, KD, BJ Kensinger, B Luttbeg, and MG Bolek. April 11, 2014. Is your snail host who you think it is? Environmental effects on snail shell shape and implications for intermediate host identification. Southwestern Association of Parasitologists. The University of Oklahoma Biological Station, Lake Texoma, Oklahoma.
17. Gustafson, KD, JB Belden, and MG Bolek. September 6, 2013. Do pesticides influence trematode transmission through impacts on snail hosts? Rocky Mountain Conference of Parasitologists. Cedar Point Biological Station, NE.
18. Gustafson, KD, JB Belden, and MG Bolek. June 7, 2013. Do pesticides influence trematode transmission through impacts on snail hosts? Annual Midwestern Conference of Parasitologists. Purdue University, West Lafayette, Indiana.
19. Gustafson, KD, JB Belden, and MG Bolek. April 19, 2013. Do pesticides influence trematode transmission through impacts on snail hosts? Southwestern Association of Parasitologists. The University of Oklahoma Biological Station, Lake Texoma, Oklahoma.
20. Gustafson, KD The Spatial Ecology of Amphibian Parasites in the Sheyenne National Grasslands, ND. OSU Department of Zoology Lunchtime Seminar. Stillwater, OK. January 28, 2013
21. Gustafson, KD, RA Newman, and T.E. Rhen. Population genetic structure of amphibian lung nematodes (*Rhabdias* spp.) in the Sheyenne National Grasslands, ND. Rocky Mountain Conference for Parasitologists, Cedar Point Biological Field Station, NE. September 7, 2012

22. Gustafson, KD, RA Newman, and VV Tkach. Landscape Ecology of Amphibians and their Parasites in the Sheyenne National Grasslands. Rocky Mountain Conference for Parasitologists, Cedar Point Biological Field Station, NE. September 7, 2012
23. Gustafson, KD, RA Newman, and VV Tkach. Landscape Ecology of Amphibians Helminths in the Sheyenne National Grasslands, ND. American Society of Parasitologists. Richmond, VA. July 13, 2012
24. Gustafson, KD, and RA Newman. Population genetics of leopard frog lung nematodes, *Rhabdias ranae*, in the Sheyenne National Grasslands. Biochemistry and Molecular Biology Graduate Student Association Research Symposium. Stillwater, OK. September 23, 2011
25. Gustafson, KD Landscape Ecology of Amphibians and their Parasites in the Sheyenne National Grasslands. Thesis Defense. Grand Forks, ND. April 21, 2011
26. Gustafson, KD The Spatial Ecology of Amphibians and their Parasites in the Sheyenne National Grasslands, ND. Northern Plains Biological Symposium. Grand Forks, ND. April 15, 2011
27. Gustafson, KD The Spatial Ecology of Amphibians and their Parasites in the Sheyenne National Grasslands, ND. The Graduate School Scholarly Forum. Grand Forks, ND. March 9, 2011
28. Gustafson, KD, and RA Newman. The Spatial Distribution of Amphibians in the Sheyenne National Grasslands, ND. The Wildlife Society: North Dakota Chapter. Mandan, ND. February 11, 2011
29. Gustafson, KD The Spatial Ecology of Amphibians and their Parasites in the Sheyenne National Grasslands, ND. Thesis Proposal. Grand Forks, ND. March 5, 2010
30. Gustafson, KD Spatial Distribution of Amphibians and their Parasites in the Sheyenne National Grasslands. ND GIS Users' Conference. Grand Forks, ND. November 3, 2009

POSTER PRESENTATIONS (*Student mentee)

1. *Priester, C, L Gilbert–Saunders, and KD Gustafson. May 14, 2019. Using aquatic snails to measure heavy metals and assess wetland remediation success. Ozark–Prairie Society for Environmental Toxicology and Chemistry. Bayer Crop Science Campus, St. Louis, Missouri.
2. *Priester, C, L Gilbert–Saunders, and KD Gustafson. April 17, 2019. Using aquatic snails to measure heavy metals and assess wetland remediation success. MSSU Student Research Symposium. Missouri Southern State University, Joplin, Missouri.
3. Gustafson, KD, L. Ball*, and MG Bolek. July 14, 2016. Natural and experimental infections of *Daubaylia* sp. in *Helisoma trivolvis* and other freshwater snails. American Society of Parasitologists. Edmonton, Alberta, Canada.
4. Koch, RW, RP Shannon, KD Gustafson, and MG Bolek. July 14, 2016. Using morphological and molecular data to identify a *Neoechinorhynchus* sp. (Phylum: Acanthocephala) infecting a new snail host (*Helisoma trivolvis*). American Society of Parasitologists. Edmonton, Alberta, Canada.
5. *Ball, LT, KD Gustafson, and MG Bolek. December 4, 2015. Interactions of parasitic nematodes, parasitic trematodes, and commensal oligochaetes in the freshwater snail *Helisoma trivolvis*. Karen L. Smith Undergraduate Research Symposium. Oklahoma State University, Stillwater, OK.
6. Gustafson, KD, JB Belden, and MG Bolek. May 21, 2013. Does atrazine influence trematode transmission through impacts on snail hosts? Ozark-Prairie Chapter of the Society for Environmental Toxicology and Chemistry. ABC Laboratories, Inc., Columbia, MO.

7. Gustafson, KD. Parasitic Worms Infecting Two Amphibian Species in the Sheyenne National Grasslands, ND. Northern Plains Biological Symposium. Grand Forks, ND. April 15, 2011
8. Gustafson, KD. Parasitic Worms Infecting Two Amphibian Species in the Sheyenne National Grasslands, ND. The Wildlife Society Meeting: North Dakota Chapter. Mandan, ND. February 11, 2011
9. Gustafson, KD, and RA Newman. Validation and Applications of a Method for Age Determination in Amphibians. McNair Scholarly Forum. Grand Forks, ND, April 28, 2009
10. Gustafson, KD, and RA Newman. Validation and Applications of a Method for Age Determination in Amphibians. Northern Plains Biological Symposium. Grand Forks, ND. April 16–17, 2009
11. Gustafson, KD, and RA Newman. Validation and Applications of a Method for Age Determination in Amphibians. Graduate School Scholarly Forum. Grand Forks, ND, March 12, 2009
12. Newman, RA and KD Gustafson. Population Biology of the Wood Frog (*Rana sylvatica*) in Denali National Park. ND-SD EPSCoR Biennial Joint Conference. Fargo, ND. September 7, 2007

STUDENT MENTORING (*Graduated)

Missouri Southern State University

Joplin, MO

Kyle Keller (Biochemistry major)

Fall 2019–

- Kyle has diverse interests and will be using DNA sequencing to identify parasites of turkeys. This is a collaboration with the Missouri Department of Conservation.

Lauren Kennedy (Biology Secondary Education major)

Fall 2019–

- Lauren is working with me on a project directed towards high school students to better understand the misconception of mitosis and meiosis. This is part of her senior thesis.

Kelsey Martin (Preprofessional Dentistry major)

Summer 2019–

- Kelsey is performing her honor's thesis in my lab. Kelsey studies the populations and communities of enteric helminth parasites of turkey's. This is a collaboration with the Missouri Department of Conservation.

Taylor Powell (General Biology major)

Spring 2019–

- Taylor uses geometric morphometrics to better quantify snail shell shape throughout the Great Plains with the hopes of improving species identifications.

Kelsea Tyson (Biology/Ecology major)

Spring 2019–

- Kelsea is studying the genetics of snails to better understand how dams affect the ecology of snail.

Cameron Priester*

Fall 2018–Spring 2019

- Cameron assisted with the organization of the aquatic experimental facility and is training to become a wildlife biologist. His project investigated the efficacy of land management practices on mitigating heavy metal accumulation in aquatic organisms. His research culminated in two scientific presentations, including the MSSU research symposium one at a regional science conference (Ozark–Prairie SETAC).

Oklahoma State University

Stillwater, OK

Luke Ball

Fall 2015

- Luke experimentally studied the interactions of internal symbionts in snails and is currently medical school.
- Wade Arthur Summer 2014
- Wade studied the snail and trematode populations from natural wetlands and streams. He also assisted with Comanche Nation Summer Camps. He is now in medical school.
- Ryan Shannon Summer 2013
- Ryan studied atrazine toxicity to 4 species of freshwater snails. I also taught him how to run PCRs. He is now a PhD student at Oklahoma State University studying molecular parasitology.
- Monica Jones Spring 2013
- Monica studied the effects of miracidia dose to snails on snail morphology and fitness. She is now in medical school.
- University of North Dakota** **Grand Forks, ND**
Michael Michelson Summer 2009; Summer 2010
- Michael studied the cestodes, nematodes, and trematodes of amphibians. He has taken an environmental consulting position.
- USGS: Northern Prairie Wildlife Research Center** **Jamestown, ND**
Field crew of 2–3 undergraduate students Summer 2008
- Mentored students how to conduct amphibian field studies and how to identify aquatic invertebrates using dichotomous keys.

STUDENT SCHOLARLY ACTIVITY

Cameron Priester

- Presented poster “Using aquatic snails to measure heavy metals and assess wetland remediation success” at Ozark–Prairie Society for Environmental Toxicology and Chemistry. Bayer Crop Science Campus, St. Louis, Missouri. May 14, 2019.
- Presented poster “Using aquatic snails to measure heavy metals and assess wetland remediation success” at MSSU Student Research Symposium. Missouri Southern State University, Joplin, Missouri. April 17, 2019.

PROFESSIONAL MEMBERSHIPS (current)

American Society of Parasitologists (member)
Society for the Study of Amphibian and Reptiles (member)
American Malacological Society (member)
The Wildlife Society (member)
Southwestern Association of Parasitologists (member)

CONFERENCES ATTENDED

National Science Foundation FELIDA conference: 2019
American Society of Parasitologists: 2012, 2014, 2015, 2016, 2018
The Wildlife Society: 2009, 2017
Southwestern Association of Parasitologists: 2012, 2013, 2014, 2015
Rocky Mountain Conference of Parasitologists: 2012, 2013, 2014
National Academy of Sciences Ford Foundation: 2014
Society for Environmental Toxicology and Chemistry: 2014

Ozark-Prairie Society for Environmental Toxicology and Chemistry: 2014, 2015, 2019
Annual Midwestern Conference of Parasitologists: 2013
Southwestern Association of Naturalists: 2014
Biology Graduate Student Association Research Symposium: 2011, 2012
Dakota Amphibian Reptile Network: 2009, 2010
North Dakota GIS Users' Conference: 2009
McNair Scholarly Forum: 2009
Northern Plains Biological Symposium: 2009
ND-SD EPSCoR Conference: 2007

GRANTS AND FELLOWSHIPS (*Undergraduate mentee)

Prairie Biotic Research Grant (\$1,200 awarded to *Cameron Priester): "Assessment of prairie wetland restorations using aquatic invertebrate surveys": Prairie Biotic Research, Inc: March, 2019.

Ford Foundation Dissertation Fellowship (\$21,000): National Academy of Sciences: August 2014–2015

College of Arts & Sciences Dissertation Fellowship (\$15,000): Oklahoma State University: College of Arts & Sciences: 2011–2012, 2012–2013, & 2013–2014

Society for Environmental Toxicology and Chemistry Student Travel Grant (\$400): SETAC: Vancouver, BC, Canada: November 2014

Willis A. Reid, Jr. Student Research Grant (\$1,000): American Society of Parasitologists: New Orleans, LA: July 2014

Marc Dresden Student Travel Grant (\$400): American Society of Parasitologists: New Orleans, LA: July 2014

S.L. "Bud" Burks Memorial Graduate Research Grant (\$800): Oklahoma State University: Department of Zoology: Stillwater, OK: April 2014

Southwestern Association of Parasitologists Student Research Grant (\$250): Southwestern Association of Parasitologists: Kingston, OK: University of Oklahoma Biological Research Station: April 2013

Marc Dresden Student Travel Grant (\$400): American Society of Parasitologists: Richmond, VA: July 2012

Southwestern Association of Parasitologists Student Research Grant (\$250): Southwestern Association of Parasitologists: Kingston, OK: University of Oklahoma Biological Research Station: April 2012

Research Development and Compliance Travel Grant (\$250): University of North Dakota: Research Development and Compliance Division of Research: May 2011

Joe K. Neel Research Grant (\$4,000): University of North Dakota: Department of Biology: Academic Programs and Student Awards Committee: Grand Forks, ND: May 2009

North Dakota View Grant (\$500): NDView: University of North Dakota: Department of Geography: Grand Forks, ND: March 2009

Ronald E. McNair Post-Baccalaureate Achievement Program Fellowship (\$7,500): United States Department of Education: University of North Dakota: TRIO Program: May 2008–2009

Stella H. Fritzell Memorial Scholarship in Field Biology (\$1,500): University of North Dakota: Department of Biology: Grand Forks, ND: May 2008–2009

Academic Programs and Student Awards Committee Research Grant (\$200): University of North Dakota: Biology Department: 2008–2009 & 2009–2010

Advanced Undergraduate Research Award (\$6,400): National Science Foundation: Experimental Program to Stimulate Competitive Research: 2007

HONORS AND AWARDS

Ashton Cuckler New Investigator Award (\$2,500): American Society of Parasitologists: Cancun, Mexico: June 2018

Outstanding Graduate Award (\$800): Oklahoma State University: Department of Integrative Biology: Stillwater, OK: April 2016

Sponsorship for *Introduction to Teaching & Learning at the College Level* (\$50): Oklahoma State University: Graduate College: Stillwater, OK: September 2014

American Society of Parasitologists Best Student Platform Presentation (\$250): American Society of Parasitologists: New Orleans, LA: July 2014

Best Student Platform Presentation (\$400): Ozark-Prairie Society of Environmental Toxicology and Chemistry: Stillwell, KS: SynTech Research: May 2014

David A. Becker Memorial Award for Best Student Podium Presentation (\$100): Southwestern Association of Parasitologists: Kingston, OK: University of Oklahoma Biological Research Station: April 2014

Ford Foundation Predoctoral Fellowship: Alternate Status, Honorable Mention: National Academy of Sciences: April 2013

David A. Becker Memorial Award for the Best Student Podium presentation (\$100): Southwestern Association of Parasitologists: Kingston, OK: University of Oklahoma Biological Research Station: April 2013

Seven Stars Scholarship (\$1,000): American Indian College Fund: October 2012

Outstanding Graduate Award (\$500): University of North Dakota: Department of Biology: Grand Forks, ND: May 2011

Pheasants Forever Scholarship (\$200): Pheasants Forever: Red River Valley Chapter: Grand Forks, ND: December 2008

The Wildlife Society's Undergraduate Student Scholarship (\$250): The Wildlife Society: North Dakota Chapter: Mandan, ND: February 2008

University of North Dakota Incoming Freshman Scholarship (\$150): University of North Dakota: Grand Forks, ND: December 2004

Comanche Nation Scholarship: Comanche Nation: Office of Higher Education: Lawton, OK: 2004–2015

SERVICE

UNIVERSITY SERVICE

- **Undergraduate Student Advisor** for 10 students: Fall 2019
- **Learning Outcomes 4 Assessment Committee** to assess our teaching ability of laboratory and field skills in the Biology and Environmental Health Department. Fall 2018–Current
- **BIOL 499 Independent Research in Biology** mentor for Cameron Priester; 3-credits
- Judge at MSSU Research Symposium (4/17/2019)
- Poster judge: Karen L. Smith Undergraduate Research Symposium: Oklahoma State University: 2014
- Logo Design: Northern Plains Biological Symposium: 2009
- President of The Wildlife Society Student Chapter: University of North Dakota: 2008

- Racquetball Tournament Fundraiser: The Wildlife Society Student Chapter: Grand Forks, ND: 2008

UNIVERSITY COMMITTEES

- **Research Curriculum Ad-Hoc Committee** to develop a comprehensive research curriculum that allows students to gain knowledge and experience with research at various levels of study. Fall 2019–Current
- **Faculty Handbook Ad-Hoc Committee** to determine appropriate departmental scholarly activities with regards to the 2019-20 Faculty Handbook. Fall 2019–Current
- Judge at MSSU Research Symposium (4/17/2019)

PROFESSIONAL SERVICE

- Peer-Reviewer: Journal followed by number of reviews in parentheses
BCM Zoology (1); Biological Conservation (1); BioInvasions Records (1); Current Zoology (2); Diversity (3); Ecotoxicology (3); Environmental Science and Pollution Research (2); Environmental Science & Technology (1); Global Health Research and Policy (2); Herpetological Journal (2); Herpetological Monographs (1); Hydrobiologia (2); IBIS (1); Infectious Diseases of Poverty (2); Journal of Mammalogy (1); Journal of Parasitology (3); Molecular Ecology (1); NATURE Communications (1); NATURE Ecology and Evolution (1); Parasitology (1); Wetlands (1)
- Reviewed manuscript “High genetic diversity and no inbreeding but drastic bottleneck in one of the world’s most endangered long-lived seabirds, the Mascarene petrel (*Pseudobulweria aterrima*), endemic to Reunion Island (Indian Ocean).” for the journal **IBIS** (international journal for avian science). September, 2019.
- Reviewed manuscript “*Ribeiroia ondatrae* metacercariae survival in the freeze-tolerant wood frog (*Lithobates sylvaticus*)” for **Journal of Parasitology**. August, 2019.
- Reviewed manuscript “Different thermal conditions of lakes affect host–parasite systems: a case study of *Viviparus contectus* (Millet, 1813) and digenean trematodes” for **Freshwater Biology**. August, 2019
- Reviewed manuscript “Variation in trematode infections in snails associated with land cover and water chemistry in the central Illinois River watershed” for **Journal of Parasitology**. March, 2019.
- Reviewed manuscript “Puma genomes from North and South America provide insights into the genomic consequences of inbreeding” for **NATURE Communications**. April, 2019.
- Reviewed manuscript “Mountain lion genomes provide insights into genetic rescue of inbred populations” for **NATURE Ecology & Evolution**. January, 2019.
- Reviewed manuscript “Unexpected benefits of grassland restoration to wetland amphibians: short-term increases and long-term stabilization of populations” for **Biological Conservation**. January, 2019
- Reviewed manuscript “Short-term exposure to tricyclic antidepressants delays righting time in marine and freshwater snails with evidence for low-dose stimulation of righting speed by imipramine” for **Environmental Science and Pollution Research**. December, 2018
- Reviewed manuscript “Effects of vertical position on trematode parasitism in larval anurans” for **Current Zoology**. December, 2018
- Reviewed manuscript “Short-term exposure to tricyclic antidepressants delays righting time in marine and freshwater snails with evidence for low-dose stimulation of righting speed by imipramine” for **Environmental Science and Pollution Research**. October, 2018

- Reviewed manuscript “Effects of vertical position on trematode parasitism in larval anurans” for **Current Zoology**. October, 2018
- Reviewed manuscript “Relationship between age and growth for toads (*Rhinella ornata*) from insular and mainland populations” for **Journal of Herpetology**. August, 2018
- Consulted with a California Department of Fish and Wildlife Senior Environmental Scientist on the conservation and management of mountain lions (2/01/2019)
- Session Organizer: Society for Environmental Toxicology and Chemistry: Nov. 2014
- Session Moderator and AV Technician: American Society of Parasitologists: 2012, 2014, 2015

PROFESSIONAL COMMITTEES

- **Nominating and Tellers Committee:** American Society of Parasitologists: 2018–Current
- **Student Awards Committee member:** American Society of Parasitologists: 2017–Current

COMMUNITY SERVICE

- Think Outside! Nature Day: Introduced elementary students to local amphibians and reptiles: Sangre Ridge Elementary School: May 2015.
- Comanche Nation College Summer Camp: Introduced Comanche Nation students to microscopy, invertebrates, and parasitology: Oklahoma State University: 2014.
- Fishin’ and Froggin’: Taught local elementary students to identify fishes and amphibians: Stillwater, OK: 2013.
- National Lab Day: Engaged local high school students in our parasitology laboratory: Oklahoma State University: 2012, 2013
- Oklahoma WONDERtorium: Introduced local K–12 students and families to Oklahoma reptiles and amphibians: Stillwater, OK: 2011
- Kelly’s Slough National Wildlife Refuge: Refurbished bird nest boxes with The Wildlife Society: Grand Forks, ND: Sept.–Nov., 2008

PUBLICITY

- In the news: “MSSU student uses snails to study local mining areas” **KOAM News Now** <https://www.koamnewsnow.com/news/mssu-student-uses-snails-to-study-local-mining-areas/1070347553> (4/18/2019)
- In the news: “MSSU student studying snails for impact of mining cleanup efforts” **Joplin Globe** https://www.joplinglobe.com/news/local_news/mssu-student-studying-snails-for-impact-of-mining-cleanup-efforts/article_8dd64e75-71be-526d-8100-da204a24cd3d.html (4/4/2019)
- In the news: “Senior Cameron Priester receives prestigious research grant” **Missouri Southern State University MOSO MINUTE** <https://moso-minute.mssu.edu/index.php/2019/03/senior-cameron-priester-receives-prestigious-research-grant/> (3/26/2019)
- In the news: “Development is dividing California’s puma populations” **The Wildlife Society** <http://wildlife.org/development-is-dividing-californias-puma-populations/> (1/18/2019)
- Interview with **The Wildlife Society** for mountain lion population genetics (1/9/2019)
- In the news: “A Riverside County mountain lion sired 11 kittens, but that won’t fix weak gene pool” **Los Angeles Times** <https://www.latimes.com/local/california/la-me-puma-genetic-diversity-20170616-story.html> (6/16/2017)

- In the news: “Population Biology of the Wood Frog” **National Park Service**
<https://www.nps.gov/articles/denali-wood-frog-population.htm> (2010)

PROFESSIONAL DEVELOPMENT

Master Advisor Training Program: Certificate of achievement through Missouri Southern State University: Fall 2019

Blackboard Green Certification: Certification through Missouri Southern State University Department of Distance Learning: Spring 2019

Associate Wildlife Biologist: Professional certification through *The Wildlife Society*: December 2018–2028

California Mountain Lion Science Working Group: California Department of Fish and Wildlife: Wildlife Investigations Unit: October 11, 2017

Spatial Capture–Recapture Modeling Workshop: University of Georgia: The Warnell Continuing Education Program; Instructors: Richard Chandler and Andrew Royle: July 12–15, 2016

Grant Writers’ Seminars and Workshops: University of Wyoming: Office of Research and Economic Development: “Write Winning Grant Proposals”: June 1, 2016

Introduction to Teaching and Learning at the College Level: Oklahoma State University: Institute for Teaching and Learning Excellence: A six-week non-credit course: Fall 2014