RENE P. MARTIN

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EDUCATION

 Ph.D. Ecology and Evolutionary Biology – December 2022 University of Kansas, Lawrence, KS
 Master of Science Biological Sciences – May 2017

St. Cloud State University, St. Cloud, MN

Bachelor of Science Ecology and Field Biology – December 2014 Concentration: Ecology and Natural Resources St. Cloud State University, St. Cloud, MN

Associate of Arts Liberal Arts and Sciences – May 2012 Century College, White Bear Lake, MN

PROFESSIONAL EXPERIENCE

Academic —	
2023	Postdoctoral Researcher (Gerstner Scholar) — Research on the morphology and evolution of light organs in lanternfishes. American Museum of Natural History, New York, New York. Supervisor: John Sparks.
2022	Research Assistant (Ornithology) — Cutting, digesting, and extracting of DNA from Cryogenically-stored tissues in the University of Kansas Natural History Museum and Biodiversity Institute Ornithology Collection. Work also included library preparation of samples for whole genome Illumina sequencing. University of Kansas, Lawrence, Kansas. Supervisor: Robert Moyle
2021	Curatorial Assistant (Ichthyology) — Curating the tissue collection, identifying and imaging of wet collection specimens, databasing, leading tours of the collections, assessing of lid integrity and alcohol level in the University of Kansas Natural History Museum and Biodiversity Institute Ichthyology Collection. University of Kansas, Lawrence, Kansas. Supervisors: Wm. Leo Smith, Andy Bentley
2020–2021	Curatorial/Research Assistant (Invertebrate Paleontology) — Digitizing of trilobite specimens for the University of Kansas Natural History Museum and Biodiversity Institute Invertebrate Paleontology Collection. Work also included analyzing trilobites using geometric morphometrics. University of Kansas, Lawrence, Kansas. Supervisors: Bruce Lieberman, Natalia Lopez Carranza
2017–2018	University Graduate Fellowship — Studying the macroevolution of lanternfishes using geometric morphometrics and phylogenetic comparative methods. University of Kansas, Lawrence, Kansas.
2015–2017	Research Assistant — Studying the evolution of deep-sea fishes for NSF deep-sea grant (DEB 1258141, 1543654). St. Cloud State University, St. Cloud, Minnesota. Supervisor: Matt Davis
2013–2014	Undergraduate Researcher — Studying the mate-choice copying reproductive behaviors of wild-caught and aquarium-bred Sailfin mollies. St. Cloud State University, St. Cloud, Minnesota. Supervisor: Shelly Elfelt
State —	
2019	Fisheries Assistant (Kansas Department of Wildlife, Parks, and Tourism: Fisheries Division) — Electrofishing, juglining, seining, trapnetting, lake stocking, fish weighing, measuring, and macrophyte surveying. Work also included fish feeder and

	boat trailer maintenance, and public education. Perry Lake, Kansas. Supervisor: Nick Kramer
2014	Fisheries Management Intern (Minnesota Department of Natural Resources: Fisheries Division) — Electrofishing, gillnetting, seining, trapnetting, fish weighing, measuring, and removing of otolith and scales. Work also included species identification, database entry, report writing, and trailer and net maintenance. Glenwood, Minnesota. Supervisor: Jerry Wendlandt
2007	Watercraft Inspector Intern (Department of Natural Resources) — Inspecting of watercraft for invasive species at multiple public lake access points. St. Paul, Minnesota.
Other —	
2015–2017	Freshwater Fish Research Scientist (Xcel Energy) — Identifying larval and juvenile fishes of the Mississippi River in Minnesota aiding in ecosystem impact assessments of water intake from coal plants. St. Cloud, Minnesota. Supervisor: Matt Davis
TEACHING H	EXPERIENCE
Instructor —	
2020	Evolutionary Biology, Upward Bound UNITE, six week summer course, University of Kansas, Lawrence, Kansas.
Invited Lectur	rer —
2021	'Evolution in the Deep Sea' for Evolutionary Biology (BIO 385), Gustavus Adolphus College, St. Peter, Minnesota, December 3rd, Instructor: Katie Peterson. Virtual
	'My Dive into Deep-sea Research' for Marine Ichthyology (BIOL 396), Millersville University, Millersville, Pennsylvania, July 13th, Instructor: Isaac Ligocki. Virtual
2020	'Fisheries Sampling Techniques' for Limnology (ESCI 230), Peru State College, Peru, Nebraska, October 15th, Instructor: Lucas Klicka. Virtual
	'Importance of Museum Collections' for Museums (NDL 107), Gustavus College, St. Peter, Minnesota, January 21st, Instructor: Katie Peterson. Virtual
2019	'Beyond and R' for An Introduction to R Programming (BIOL 701), University of Kansas, Lawrence, Kansas, November 14th, Instructor: Jamie Walters
2018	'Crash Course in Adobe Illustrator' for STEM Professional Development (BIOL 420), University of Kansas, Lawrence, Kansas, November 10th, Instructor: Karen Olson
	'Coastal Fishes' for Oceanography (GEOL 302), University of Kansas, Lawrence, Kansas, October 9th, Instructor: Eugene Rankey
Teaching Ass	istant —
2022	Principles of Biology (BIOL 100), Department of Biology, University of Kansas, Lawrence, Kansas. Supervisors: Trevor Rivers, Kris Holder
	Ichthyology (BIOL 592), Department of Biology, University of Kansas, Lawrence, Kansas. Supervisor: Wm. Leo Smith
	Principles of Biology Lab (BIOL 102), Department of Biology, University of Kansas, Lawrence, Kansas. Supervisor: Laura Rozzi
2020	Principles of Biology (BIOL 100), Department of Biology, University of Kansas, Lawrence, Kansas. Supervisors: Trevor Rivers, Tara Marriage
2019	Introduction to Systematics (BIOL 428), Department of Biology, University of Kansas, Lawrence, Kansas. Supervisors: Kirsten Jensen, Michael Engel
	Principles of Biology (BIOL 100), Department of Biology, University of Kansas, Lawrence, Kansas. Supervisors: Trevor Rivers, Tara Marriage, Kris Holder
2018	Principles of Biology (BIOL 100), Department of Biology, University of Kansas, Lawrence, Kansas. Supervisors: Kris Holder, Tara Marriage

2015–2016	Organismal Diversity (BIOL 152), Department of Biology, St. Cloud State University, St.
	Cloud, Minnesota. Supervisors: Neal Voelz, Jorge Arriagada

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Ornithology (BIOL 324), Department of Biology, St. Cloud State University, St. Cloud,
Minnesota. Supervisor: Marco Restani
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2013–2014 Zoology (BIOL 308), Department of Biology, St. Cloud State University, St. Cloud, Minnesota. Supervisor: Anthony Marcattilio

AWARDS, GRANTS, AND SCHOLARSHIPS

Awards a	nd Funds (total: \$22,787) —
2021	Deep-sea Biology Symposium Online Travel Award (\$200), Deep-Sea Biology Society
	CLAS Graduate Scholarly Development Fund (\$500), 'Olfactory Organ Anatomy across Deep-sea Lanternfishes,' University of Kansas
2020	Cashner Award (\$1,000), 'A Woman in STEM,' American Society of Ichthyologists and Herpetologists
	Summer Research Award (\$3,500), 'Olfaction in Deep-sea Lanternfishes (Myctophidae),' University of Kansas, Biodiversity Institute, and Department of Ecology and Evolutionary Biology
	Vice Provost's Graduate Retention Fund (\$500), University of Kansas
	Doctoral Student Research Fund (\$1,500), "The Historical Presence of Microplastics in Lanternfishes," University of Kansas, Graduate Studies
2019	Summer Research Award (\$2,000), "The Historical Presence of Microplastics in Lanternfishes," University of Kansas, Department of Ecology and Evolutionary Biology
2018	Student Collections Study Award (\$1,250), 'An In-Depth Look at Diets of Lanternfishes (Myctophidae): One of the World's Most Abundant Fish Groups,' Natural History Museum of Los Angeles County
	Graduate Scholarly Presentation Travel Fund (\$500), 'Variations in Bone Density within Deep-Sea Grenadiers (Macrouridae),' University of Kansas, Graduate Studies
	Friday Harbor Laboratories Financial Aid (\$1,400), University of Washington
	Summer Research Award (\$3,000), 'The Role of Phylogeny in the Evolution of Body Shape of Lanternfishes (Myctophiformes),' University of Kansas, Department of Ecology and Evolutionary Biology
	KU Women 4 KU Women (\$500), 'Variations in Bone Density within Deep-Sea Grenadiers (Macrouridae),' University of Kansas, The Emily Taylor Center for Women and Gender Equity
2017	The Society of Systematic Biologists Graduate Student Research Award (\$1,300), Phylogenomics of Lanternfishes (Teleostei: Myctophiformes) and the Evolution of Sexually Dimorphic Light Organs,' The Society of Systematic Biologists
	Student Research Fund (\$986), 'Relationships of Lanternfishes: A Phylogenomic Approach Using Ultraconserved Elements (UCEs),' St. Cloud State University, Graduate Studies
2016	Student Research Fund (\$726), 'Evolution of Variation in Dentition in Deep-sea Lanternfishes (Teleostei: Myctophiformes),' St. Cloud State University, Graduate Studies
	Jerry Wolff Biology Graduate Student Enrichment Fund (\$650), St. Cloud State University
	George W. Friedrich Wildlife Protection Fund (\$1,000), St. Cloud State University
2015	Jerry Wolff Biology Graduate Student Enrichment Fund (\$1,800), 'Evolution of Jaw Shape and Length Variation in Deep-sea Lanternfishes (Teleostei: Myctophiformes),' St. Cloud State University

Grants (tota	1: \$11,496) —
2022	Panorama Grant (\$1,000), 'Olfactory Organ Anatomy and Evolution across Deep-sea Lanternfishes,' University of Kansas, Biodiversity Institute
	Open Access Grant (\$1,355), 'Bone Density Variation in Rattails (Macrouridae, Gadiformes): Buoyancy, Depth, Body Size, and Feeding,' University of Kansas, Libraries
2021	Lerner-Gray Marine Research Grant (\$2,841), 'Olfaction in Deep-sea Lanternfishes (Myctophidae),' American Museum of Natural History, Richard Gilder Graduate School
2020	Panorama Grant (\$1,000), 'Understanding the Prevalence of Plastic Ingestion in Coastal California Lanternfishes (Myctophidae),' University of Kansas, Biodiversity Institute
2019	AMNH Collection Study Grant (\$900), 'The Role of Phylogeny in the Evolution of Body Shape of Lanternfishes (Myctophidae),' American Museum of Natural History, Richard Gilder Graduate School
2016	Edward C. Raney Grant (\$800), 'Evolution of Variation in Dentition in Deep-sea Lanternfishes (Teleostei: Myctophiformes),' American Society of Ichthyologists and Herpetologists
2015	Lerner-Gray Marine Research Grant (\$2,500), 'Evolution of Variation in Jaw Shape and Length in Deep-sea Fishes,' American Museum of Natural History, Richard Gilder Graduate School
	Society of Systematic Biologists Workshop Travel Grant (\$500), The Society of Systematic Biologists
	Joint Meeting of Ichthyologists and Herpetologists Travel Grant (\$600), American Society of Ichthyologists and Herpetologists
Scholarship	s and Fellowships (total: \$182,549) —
2022	Gerstner Scholar Postdoctoral Research Fellowship (\$148,028), 'Blinded by the Light: A Phylogenetic and Morphological Study of Light Organs in Lanternfishes,' American Museum of Natural History, Richard Gilder Graduate School
2019	Summer Travel Scholarship (\$250), 'Assessment of Bone Density Reduction within Deep- Sea Grenadiers (Macrouridae),' University of Kansas, Ecology and Evolutionary Biology Graduate Student Organization
2017	University Graduate Fellowship (\$28,621), University of Kansas, Graduate Studies
	Ida Hyde Scholarship (\$2,000), 'Friday Harbor Fish Biomechanics Course,' University of Kansas, Department of Undergraduate Biology
2016	Charles Rehwaldt Endowment for the Biological Sciences (\$300), St. Cloud State University
2014	Harold & Gladys Hopkins Endowed Scholarship (\$1,000), St. Cloud StateUniversity
	Al Grewe Memorial Scholarship (\$750), St. Cloud State University
	St. Cloud State Scholarship (\$600), St. Cloud State University
2013	Harold & Gladys Hopkins Endowed Scholarship (\$1,000), St. Cloud State University
PUBLICATI	ONS

Peer Rev	iewed —
2022	Martin, R. P., Dias, A., Summers, A. P., & Gerringer, M. E. (2022). Bone density variation
	in rattails (Macrouridae, Gadiformes): Buoyancy, Depth, Body Size, and Feeding.
	Integrative and Organismal Biology, 4, obac044. "Link to download paper"

	Martin, R. P., Lopez Carranza, N., LaVine, R. J., & Lieberman, B. S. (2022). Morphological evolution during the last hurrah of the trilobites: Morphometric analysis of the Devonian asteropyginid trilobites. <i>Paleobiology</i> . "Link to download paper"
	 Smith, W. L., Ghedotti, M. J., Domínguez-Domínguez, O., McMahan, C. D., Espinoza, E., Martin, R. P., Girard, M. G., & Davis, M. P. (2022) Investigations into the ancestry of the Grape-eye Seabass (<i>Hemilutjanus macrophthalmos</i>) reveal novel limits and relationships for the Acropomatiformes (Teleostei: Percomorpha). Neotropical Ichthyology, 20, 03. "Link to download paper"
	Martin, R. P., Davis, M. P., & Smith, W. L. (2022). The impact of evolutionary trade- offs among bioluminescent organs and body shape in the deep sea: A case study on lanternfishes. <i>Deep-sea Research Part I: Oceanographic Research</i> , 184, 103769. " <u>Link</u> to download paper"
	Girard, M. G., Davis, M. P., Baldwin, C. C., Martin, R. P., & Smith, W. L. (2022). Molecular phylogeny of the threadfin fishes (Polynemidae) using ultraconserved elements. <i>Journal of Fish Biology</i> , 100, 793–810. "Link to download paper"
2020	 Maile, A. J., May, Z. A., DeArmon, E. S., Martin, R. P., & Davis, M. P. (2020). Marine habitat transitions and body-shape evolution in lizardfishes and their allies (Aulopiformes). <i>Copeia</i>, 108, 820–832. 2020 Best Student Paper in Ichthyology, American Society of Ichthyology and Herpetology. "Link to download paper"
	Martin, R. P., & Davis, M. P. (2020). The evolution of specialized dentition in the deep-sea lanternfishes (Myctophiformes). <i>Journal of Morphology</i> . 281, 536–555. " <u>Link</u> to download paper"
2018	Martin, R. P., Olson, E. E., Girard, M. G., Smith, W. L., & Davis, M. P. (2018) Light in the darkness: New perspective on lanternfish relationships and classification using genomic and morphological data. <i>Molecular Phylogenetics and Evolution</i> , 121, 71–85. "Link to download paper"
	Smith, W. L., Buck, C. A., Ornay, G. S., Davis, M. P., Martin, R. P., Gibson, S. Z., & Girard, M. G. (2018) Improving vertebrate skeleton images: Fluorescence and the non- permanent mounting of cleared-and-stained specimens. <i>Copeia</i> . 106, 427–435. "Link to download paper"
2016	Martin, R. P. & Davis, M. P. (2016) Patterns of phenotypic variation in the mouth size of lanternfishes (Teleostei: Myctophiformes). <i>Copeia</i> . 104, 795–807. " <u>Link</u> to download paper"
Scientific Illu	istrations Featured —
_	Jeffries, D. L., Mee, J. A., & Peichel, C. L. (2022). Identification of a candidate sex determination gene in <i>Culaea inconstans</i> suggests convergent recruitment of an <i>Amh</i> duplicate in two lineages of stickleback. <i>Journal of Evolutionary Biology</i> . 00, 1–13.
—	Burress, E. D., Piálek, L., Casciotta, J., Almirón, A., & Říčan, O. (2022). Rapid Parallel Morphological and Mechanical Diversification of South American Pike Cichlids (Crenicichla). <i>Systematic Biology</i> . syac018.
PRESENTAT	IONS
Conferences	_
2022	 Martin, R.P. Olfactory Organ Anatomy Across Deep-sea Lanternfishes. Joint Meeting of Ichthyologists and Herpetologists, Spokane, Washington, July 2022. Oral Presentation. Stoye Award for Best Student Presentation in Genetics, Development, and Morphology, American Society of Ichthyology and Herpetology.
	Martin, R.P. Olfactory Organ Anatomy Across Deep-sea Lanternfishes. Annual Meeting for The Society for Integrative & Comparative Biology, Phoenix, Arizona, January 2022. Oral Presentation. Session Chair.

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2021	Martin, R.P. A Dive into Deep-sea Fish Diversity and the Growing Work of Early Career Scientists. Joint Meeting of Ichthyologists and Herpetologists, Phoenix, Arizona, July 2021 (Hybrid Meeting). Oral Presentation. Virtual. Invited Symposia Speaker.
2019	Martin, R.P. The Role of Phylogeny in the Evolution of Body Shape of Lanternfishes (Myctophiformes). 3 Minute Thesis, University of Kansas, Lawrence, Kansas, November 2019. Oral Presentation, Finalist.
	Martin, R.P., Dias, A., Summers, A., & Gerringer, M. Assessment of Bone Density Reduction within Deep-Sea Grenadiers (Macrouridae). Joint Meeting of Ichthyologists and Herpetologists, Snowbird, Utah, July 2019. Oral Presentation.
	Martin, R.P., Dias, A., Summers, A., & Gerringer, M. Variations in Bone Density within Deep-Sea Grenadiers (Macrouridae). Annual Meeting for The Society for Integrative & Comparative Biology, Tampa, Florida, January 2019. Oral Presentation.
2018	Martin, R.P. The Role of Phylogeny in the Evolution of Body Shape of Lanternfishes (Myctophiformes). Joint Meeting of Ichthyologists and Herpetologists, Rochester, New York, July 2018. Oral Presentation.
2017	Martin, R.P. & Davis, M.P. Repeated Evolution of Heterodonty in Lanternfishes (Teleostei: Myctophiformes). Joint Meeting of Ichthyologists and Herpetologists, Austin, Texas, July 2017. Poster Presentation.
	Smith, W.L., Buck, C., Gibson, S., Davis, M.P., Martin, R.P., Girard, M. Techniques for the Improved Visualization of Vertebrate Anatomy. Joint Meeting of Ichthyologists and Herpetologists, Austin, Texas, July 2017. Poster Presentation.
	Martin, R.P. Relationships of Lanternfishes: A Phylogenomic Approach Using Ultraconserved Elements. Student Research Colloquium, St. Cloud State University, St. Cloud, Minnesota, April 2017. Oral Presentation.
2016	Martin, R.P. Morphological Variance in the Dentition on the Oral Jaws in Lanternfishes (Teleostei: Myctophiformes). Joint Meeting of Ichthyologists and Herpetologists, New Orleans, Louisiana, July 2016. Oral Presentation
	Martin, R.P. Evolution of Jaw Length and Dentition Variation in Deep-sea Lanternfishes (Teleostei: Myctophiformes). Student Research Colloquium, St. Cloud State University, St. Cloud, Minnesota, April 2016. Oral Presentation
2015	Martin, R.P. & Davis, M.P. Evolution of Jaw Shape and Length Variation in Deep-sea Lanternfishes (Teleostei: Myctophiformes). Joint Meeting of Ichthyologists and Herpetologists, Reno, Nevada, July 2015. Poster Presentation. Storer Award for Best Student Poster in Ichthyology, American Society of Ichthyology and Herpetology.
	Martin, R.P. & Davis, M.P. Evolution of Jaws and Ecological Niche Specialization in Deep-sea Lanternfishes. Student Research Colloquium, St. Cloud State University, St. Cloud, Minnesota, April 2015. Poster Presentation.
Invited —	
2022	Martin, R.P. Lanternfishes and Adaptation to Depth, Evolution, Ecology, and Behavior Colloquium, University of Illinois, Illinois, September, 2022. Virtual.
2020	Martin, R.P. Evolution of Lanternfishes, Wainwright Lab Seminar Series, University of California, Davis, California, August 2020. Virtual.
2019	Martin, R.P. The Role of Phylogeny in the Evolution of Body Shape of Lanternfishes (Myctophiformes). Ecology and Evolutionary Biology Seminar Series, University of Kansas, Lawrence, Kansas, August 2019.
2018	Martin, R.P. My Dive into Deep-Sea Research. STEM Fellows Seminar, St. Benedictine College, Atchinson, Kansas, November 2018.
	Martin, R.P. Bioluminescence in the sea. Red Hot Graduate Research Seminar, University of Kansas, Lawrence, Kansas, November 2018.

2016 Martin, R.P. Evolution of Jaw Length and Evidence of Niche Differentiation in Lanternfishes (Teleostei: Myctophiformes). Biology Seminar Series, St. Cloud State University, St. Cloud, Minnoesta, January 2016.

FIELDWORK AND COLLECTION VISITS

2021

2022	Aetna, Kansas Resurvey — Participated in a week-long collecting event in Aetna Kansas aimed at resurveying the fauna (e.g., amphibians, birds, mammals) in the area in an attempt to assess change in biodiversity through time using KU's Natural History Museum collections. Aetna, Kansas.
2021	American Museum of Natural History — Visited the collections to survey olfactory organs of lanternfishes and take images of rare species for use in body shape and light organ analyses. New York, New York.
2019	Natural History Museum of Los Angeles County — Visited collections to dissect myctophid stomachs for research on microplastics and diet. Los Angeles, California.
2016	 Deep-sea Pacific Trawl — Identified and collected deep-sea marine fishes and tissue samples from 25 trawls within the La Jolla Fan Valley aboard the <i>R/V</i> Robert Gordon Sproul. San Diego, California. Biodiversity Institute, University of Kansas — Visited the collections to observe and digitize specimens for research.
2015	Field Museum — Visited collections to request loans and to observe and digitize specimens for research. Chicago, Illinois.
PUBLIC	OUTREACH AND EDUCATION
2022	Collections / Lab Tour, University of Kansas Natural History Museum, met one-on-one with a Haskell University Native American student interested in research on deep-sea fishes. Lawrence, Kansas, October 10th.
	Jellies and Lanterns, Lawrence Public Library, Lawrence, Kansas, July 6th.
	Meet a Marine Biologist, Topeka and Shawnee County Public Library, Topeka, Kansas, July 5th.
	Imaginarium: Extreme Ocean Animals, Lawrence Public Library, Lawrence, Kansas, June 27th.
	Bioblitz, Topeka Riverbank Restoration Project, Friends of the Kaw, Kaw River State Park, Kansas, May 7th.
	Deep-sea Fishes Booth, 'Women in Science,' University of Kansas Natural History Museum, Lawrence, Kansas, March 26th.
	Fish Bones of the Kaw Booth, 'Bones of the Kaw,' University of Kansas Natural History Museum and Friends of the Kaw Lawrence, Kansas, March 24th.

Collections Tour, University of Kansas Natural History Museum, met one-on-one with a high school student interested in scientific illustration. Lawrence, Kansas, February.

- NOAA Professional Development for educators, Midwest area. Guest expert on bioluminescence. Virtual. November.
- **Collections Tour,** University of Kansas Natural History Museum, gave a brief talk to a class in the Panorama and toured them through the wet collection. Lawrence, Kansas, September.
 - **Scientist Participant** in Letters to a Pre-Scientist (an organization recognized for excellence in supporting women and girls in STEM, making the shortlist for the Nature Research Innovating Science Award).
 - Freaky Fishes, 'Macabre at the Museum,' University of Kansas Natural History Museum, Lawrence, Kansas, October.
 - Members Night, 'Deep Scattering Layer,' presentation, University of Kansas Natural History Museum, Lawrence, January 28th. Virtual.

	Meet a Marine Biologist, Presentation to Girl Scouts around Lawrence, Kansas. Virtual. February 7th.
2020	Fish Reproduction Booth, 'Sexy Science,' University of Kansas Natural History Museum, Lawrence, Kansas, February.
	Ichthyology Collections, 'Collections up Close,' University of Kansas Natural History Museum and University of Kansas Union, Lawrence, Kansas, February.
	My Dive into Deep-Sea Research, presented to the University of Kansas SEEDS (Ecology) Club, University of Kansas, Lawrence, Kansas, February.
	Scientist Participant in Letters to a Pre-Scientist (an organization recognized for excellence in supporting women and girls in STEM, making the shortlist for the Nature Research Innovating Science Award).
2019	Learn How to Fish, taught girl scouts at Camp Tongawood how to fish, Tonganoxie, Kansas, June.
	Threatened and Endangered Fish Species, 'Discovery Day: Endangered Species,' University of Kansas Natural History Museum, Lawrence, Kansas, December 8th.
	Freaky Fishes, 'Macabre at the Museum,' University of Kansas Natural History Museum, Lawrence, Kansas, October.
	Fishes of the Deep Sea booth, Discovery Day: Marine Life, University of Kansas Natural History Museum, Lawrence, Kansas, May 24th.
	Deep-sea Diversity, 'Science Night,' Lawrence Beer Company, Lawrence, Kansas, March.
	Fish Reproduction Booth, 'Sexy Science', University of Kansas Natural History Museum, Lawrence, Kansas, February.
	Scientist Participant in Letters to a Pre-Scientist (an organization recognized for excellence in supporting women and girls in STEM, making the shortlist for the Nature Research Innovating Science Award).
2018	Deep-sea Macabre Fishes Booth, 'Macabre at the Museum,' University of Kansas Natural History Museum, Lawrence, Kansas, October.
	Scientist Participant in Letters to a Pre-Scientist (an organization recognized for excellence in supporting women and girls in STEM, making the shortlist for the Nature Research Innovating Science Award).
	Ichthyology Deep-sea Collections, 'Collections up Close,' University of Kansas Union, Lawrence, Kansas, April.
	Deep-sea Diversity, 'Science Night', Lawrence Beer Company, Lawrence, Kansas, March.
	Fish Reproduction Booth, 'Sexy Science,' University of Kansas Natural History Museum, Lawrence, Kansas, February.
2017	Deep-sea Fishes Booth, 'Science of the Macabre', University of Kansas Natural History Museum, Lawrence, Kansas, October.
2014	Invasive Species Awareness, "The Global Social Responsibility Conference," St. Cloud State University, St. Cloud, Minnesota. Oral Presentation.
	Co-creator of interpretive trail signs for educational purposes at Camp Ripley, Minnesota
MEDIA A	APPEARANCES AND FEATURES
2022	Featured on 'Art in Bio,' ICB author Noah Bressman & IOB author Rene P. Martin.
	Article by Suzanne Miller and Andrew Saintsing.

2021	Midwest Area Expert on NOAA's Professional Development <u>live event on</u> <u>Bioluminescence.</u>
	Guest Expert on NOAA's 'Deep-Sea Dialogues' series video Bioluminescence.
	Featured on the University of Kansas' Office of Research 'News,' KU Researcher Fosters
	<u>Online Community of Fish Scientists and Artists.</u>
	Featured on the San Francisco 'Estuary News,' A Stream of Science Takeaways.

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	Featured on 'Our Ocean and You,' <u>Rene Martin: Ph.D. Student, Deep-sea Scientist,</u> <u>Artist.</u>
	Featured in a video focused on Red-tailed hawk tracking research ongoing at KU.
	Featured on Women of Fisheries,' Talented Women in Art and Marine Science.
	Interviewed by 'Inside Science' discussing a recent publication on a <u>fossil lanternfish</u> <u>otoliths</u> . Article by Joshua Learn.
2020	Featured on the 'Fisheries Podcast,' episode 107, student update episode, Where Are They Now? Hosted by Kansas Fisheries Biologist Nick Kramer.
	Featured on 'Seaside with Emily,' <u>Why I pursued Marine Research: Stories from</u> <u>Scientists Around the World.</u>
	Interviewed by 'Popular Science' discussing a recent publication on a <u>bioluminescent</u> <u>gene in pyrosomes</u> . Article by Maria Paula Rubiano.
2019	Interviewed by 'PBS NOVA' discussing a recent publication on <u>Green Biofluorescence in</u> <u>Sharks</u> . Article by Katherine Wu.
	Featured on the 'Fisheries Podcast,' episode 28, discussing Deep-sea Research, Expeditions, and the #SundayFishSketch. Hosted by Kansas Fisheries Biologist Nick Kramer.
2018	Interviewed by 'The Scientist,' discussing a recent publication on <u>lanternfish</u> <u>diversification</u> . Article by Jim Daley.
	Featured on the University of Washington's <u>Blog post</u> regarding the #SundayFishSketch on Twitter.
	Featured on the Fisheries Blog regarding the #SundayFishSketch on Twitter
2017	Martin, R.P. (2017) Backpage article: Art of the Deep. Fisheries. 42:244
2016	Photographs used in news articles —
	 University of Kansas: <u>New research shines light on surprising numbers and</u> evolutionary variety of bioluminescent ocean fishes
	• Mashable: Far more fish make their own light than we thought, study finds
	• Live Science: Flash Mob! Glowing in Fishes More Widespread Than Thought
	• Ars Technica: Evolution favors the bioluminescent
ACHIEVE	MENTS

2022	Frederick H. Stoye Award for Best Student Presentation in Genetics, Development, and Morphology (\$300), 'Olfactory Organ Anatomy Across Deep-sea Lanternfishes,' American Society of Ichthyologists and Herpetologists
2021	Cleared and Stained Fish art piece chosen for BioNexus Science to Art auction, proceeds benefit STEAM education in the KC region
2020	Four art pieces chosen for LibArt exhibition, University of Kansas, one awarded 'Top Honors'
2019	CT Scan art piece chosen for BioNexus Science to Art auction (\$375), proceeds benefit STEAM education in the KC region
	Five art pieces chosen for LibArt exhibition, University of Kansas, two awards
2018	Distinguished Masters Thesis Award - 2017 (\$200), St. Cloud State University
2016	Outstanding Graduate Student Award, St. Cloud State University
	Denise McGuire Student Research Award (\$200), St. Cloud State University
2015	Denise McGuire Student Research Award (\$200), St. Cloud State University
	Tracy Storer Award for Best Student Poster, Ichthyology (\$300), 'Evolution of Jaw Shape and Length Variation in Deep-sea Lanternfishes (Teleostei: Myctophiformes),' American Society of Ichthyologists and Herpetologists

STUDENT MENTORING

- Lauren Meyer (Senior). B.S. (2022), University of Kansas. Mentored in freshwater fish sampling techniques (e.g., seining) and investigation/use of museum database.
- **Dylan Wootton** (Junior/Senior). B.S. (2022), University of Kansas. Mentored in the use of stereomicroscopes and the assessment of olfactory organs in fishes.
- Matt Jones (Fifth Year) Ph.D. Student (2021), University of Kansas. Mentored in the use of geometric morphometrics and landmark placement on fossil bat dentition.
- Heidi Burns (Junior/Senior). B.S. (2019-2020), University of Kansas. Mentored in the use of stereomicroscopes and measurement of lanternfish olfactory organs.
- Katelyn Schmidtlein (Sophomore). B.S. (2018), University of Kansas, KS. Mentored in specimen imaging and geometric morphometrics.
- Abbey Dias (Senior). B.S. (2018), Whitman College, WA. Mentored in manuscript writing and Micro-CT scanning techniques.
- Emily Olson (Senior). B.S. (2015), St. Cloud State University, MN. Mentored in species identification, specimen imaging, and phylogenetic techniques.

JOURNAL REVIEWS

- Ichthyology & Herpetology (8)
- Deep-Sea Research Part I (1)
- Journal of Fish Biology (3)
- Marine Science and Engineering (1)
- Nature: Communications Biology (1)
- Paleobiology (1)
- Phuket Marine Biological Center Research Bulletin (2)
- Zootaxa (3)

SYNERGISTIC ACTIVITIES AND PROFESSIONAL SERVICE

Committees -	— —
2021	Leaman D. Harris Committee, University of Kansas Biodiversity Institute
2020–2021	Fundraising Committee, University of Kansas Ecology and Evolutionary Biology Graduate Student Organization
2019–2020	Student Representative for the Biodiversity Institute Research Planning Committee, University of Kansas Ecology and Evolutionary Biology Graduate Student Organization
2019	Ichthyology Best Paper in Copeia Committee, American Society of Ichthyologists and Herpetologists
	Panorama Grant Review Committee, University of Kansas Biodiversity Institute
2018–2019	Social Committee, University of Kansas Ecology and Evolutionary Biology Graduate Student Organization
	Student Representative for the Graduate Program Committee, University of Kansas Ecology and Evolutionary Biology Graduate Student Organization
2017	Research and Travel Awards Committee, University of Kansas Ecology and Evolutionary Biology Graduate Student Organization
	Social Media Committee, University of Kansas Ecology and Evolutionary Biology Graduate Student Organization
Officer Positi	ions —
2020–2021	Co-president, University of Kansas Ecology and Evolutionary Biology Graduate Student Organization
2016	President, St. Cloud State Biology Graduate Student Association
2015	Vice President, St. Cloud State Biology Graduate Student Association
2013–2014	Vice President, St. Cloud State Ecology Club
201J-201 4	vice i resident, st. Cloud state Ecology Club

Other —	
2020-2022	Author for the 'Fisheries Blog,' https://thefisheriesblog.com
2021	Guest Panelist, Science and Art, Bay Delta Science Conference, April 7th. Virtual http://baydeltascienceconference.org
	Guest Speaker, Class: Evolutionary Biology, Upward Bound UNITE, University of Kansas, Lawrence, Kansas, June 30th, Instructor: Matthew Jones. Virtual
	Guest Panelist, STEM + Art, Vanderbilt University, Nashville, Tennessee, June 11th. Virtual
	Judge, Canadian Science Publishing 2021 Visualizing Science contest https://blog.cdnsciencepub.com/visualizing-science-through-sketching/
	Onshore Scientist, NOAA's Okeanos Ocean Explorer Midwater dives, June 25th, July 28th
2020	Created fish coloring pages, for use by the University of Kansas Natural History Museum, available for <u>download</u>
	Created a <u>video</u> on a step-by-step process on how to use iNaturalist, for use by the University of Kansas Natural History Museum
	Science Fair Judge, Langston Hughes Elementary School, Lawrence, Kansas, January
2013-2016	Tutor, Ecology and Field Biology, St. Cloud State University
	Volunteer, North American Amphibian Monitoring Program, Minnesota
2014	Volunteer, Christmas Bird Count, Minnesota
2013	Judge, Central Minnesota Science Fair, St. Cloud State University
2012	Volunteer, Invasive Plant Monitor, Maplewood Nature Center, Minnesota
PROFESSION	NAL MEMBERSHIPS AND AFFILIATIONS

2015-2022	American Society of Ichthyologists and Herpetologists
2015-2018	Society of Systematic Biologists
2018-2022	Society for Integrative and Comparative Biology
2021-2022	Society for the Study of Evolution
2021–2022	Deep-Sea Biology Society

WORKSHOPS/SYMPOSIA ATTENDED

2022	Genetics Symposium hosted by KU Center for Genomics, University of Kansas, Lawrence, Kansas.
2020	Introduction to Python workshop hosted by the Ecology and Evolutionary Biology Graduate Student Organization, the Society for Advancement of Chicanos/ Hispanics and Native Americans in Science Student Organization, and Dr. John Kelly, University of Kansas, Lawrence, Kansas.
2019	Comparative Phylogenetics in R workshop hosted by the Joint Meeting of Ichthyologists and Herpetologists, Snowbird, Utah.
2018	Friday Harbor Laboratories Fish Biomechanics Course: Learned collection techniques (trawling, seining, night-lighting, tide-pooling), micro-CT scanning, software programs involving 3D data manipulation, fish biomechanics, manuscript preparation, presentation skills.
	Software Carpentry (Python and Unix Shell) workshop hosted by the Software Carpentry Foundation, University of Kansas, Lawrence, Kansas.
	Webscraping workshop hosted by Dr. Mark Holder and the Society for Advancement of Chicanos/Hispanics and Native Americans in Science Student Organization, University of Kansas, Lawrence, Kansas.
2016	Python-based UCE Workshop hosted by the University of Minnesota, St. Paul, MN

2015 Systematics workshop hosted by the Society of Systematic Biologists, University of Michigan, Ann Arbor, Michigan.

PROFESSIONAL REFERENCES

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