Kristen Martinet

Curriculum Vitae

EDUCATION

Present **PhD, Bioinformatics and Computational Biology**
University of Idaho, Moscow, Idaho
Advisor: Luke Harmon

2018 **BS, Biology** *Honors Program*
Minor: Computer Science
Florida Southern College, Lakeland, Florida

SKILLS/EXPERTISE

R (including package development); Python; C++; C#; Bash; High Performance Computing; Web Development (HTML, CSS, Javascript, PHP, Vega); and Creating workflows for phylogenetics and comparative methods

PUBLICATIONS

3. Stemle, L.R., **Martinet, K.M.**, & Langford, G.J. 2020. Natural History Traits and Ecology of the Striped Mud Turtle in a Florida Wetland. *Southeastern Naturalist*. 19(3): 511-523

2. Stemle, L.R., **Martinet, K.M.**, & Langford, G.J. 2019. Spatial Ecology of the Striped Mud Turtle, *Kinosternon baurii*, in a Restored Florida Wetland. *Herpetological Review*. 50(4): 695-698

1. **Martinet, K.M.**, Stemle, L.R., & Langford, G.J. A Comparative Analysis of the Commensal Diversity from Two Gopher Tortoise (*Gopherus polyphemus*) Populations in Central Florida. *In revision*.

PRESENTATIONS AT PROFESSIONAL MEETINGS

Presenter is first author, unless indicated by *

7. **Martinet, K.M.**, Godfrey, B., & Harmon, L.J. (2023). SSARP: Easily Project Species-Area Relationships. EVO-WIBO, Port Townsend, Washington. Poster.

6. **Martinet, K.M.**, Wright, L.R., Soule, T., Harmon, L.J., & Robison, B.D. (2022). Evolutionary Diversification in a Digital Video Game. Evolution, Cleveland, Ohio.

5. **Martinet, K.M.**, Robison, B.D., Soule, T., Holliday, G., Mason, L., Wright, L.R., & Harmon, L.J. (2021). Survival of the Hairiest: Mate Selection in an Evolutionary Video Game. Evolution, Virtual.

4. **Martinet, K.M.** & Harmon, L.J. (2020). Species-Area Curves for Island Lizard Radiations. Society of Systematic Biologists Standalone Meeting, Gainesville, Florida. Poster.

3. **Martinet, K.M.**, Stemle, L.R., & Langford, G.J. (2018). A Comparative Analysis of the Commensal Diversity from Two Gopher Tortoise (*Gopherus polyphemus*) Populations in Central Florida. Joint Meeting of Ichthyologists and Herpetologists, Rochester, New York. Poster.

2. Stemle, L.R., **Martinet, K.M.**, & Langford, G.J. (2018). Life History Traits and Spatial Ecology of the Striped Mud Turtle, *Kinosternon baurii*, in Central Florida. Joint Meeting of Ichthyologists and Herpetologists, Rochester, New York.

1. Stemle, L.R.*, **Martinet, K.M.***, & Langford, G.J. (2017). Life History Traits and Spatial Ecology of the Striped Mud Turtle, *Kinosternon baurii*, in Central Florida. Florida Chapter of The Wildlife Society Spring Conference, Orlando, Florida. Poster.

RESEARCH EXPERIENCE

2020 – Present	Incorporating Evolution into Video Games Used for Teaching: Collaboration with the Polymorphic Games Studio at the University of Idaho *Programming models of evolution and related processes into video games*
2020 – Present	Developer for Arbor Workflows *Creating accessible tools for studying phylogenetics, see here*
2019 – Present	Writing the SSARP R Package for Island Biogeographical Studies *Accessing APIs to easily create species-area relationships, GitHub here*
2017 – 2018	Extinction-Based Genetic Algorithms *Incorporating extinction in a genetic algorithm to expand the search space*
2016 – 2017	Comparison of Commensal Diversity of Two Gopher Tortoise (*Gopherus polyphemus*) Populations *Sampling G. polyphemus burrow commensals and comparing diversity between sites*
2015 – 2017	Life History Traits and Spatial Ecology of Striped Mud Turtles (*Kinosternon baurii*) *Mark-recapture and telemetry study on K. baurii*

FELLOWSHIPS & AWARDS

2023	Paul Joyce Memorial BCB Fellowship Award | University of Idaho
Spring 2021	Bioinformatics and Computational Biology Fellowship | University of Idaho
2020	Lauren Ancel Meyers Registration Award for SACNAS | IMCI, University of Idaho
2019 – 2020	Bioinformatics and Computational Biology Fellowship | University of Idaho