

Kelsey Ruehling

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Education

M.S. *in progress.* Zoology & Physiology, University of Wyoming, Laramie, WY. Understanding the contribution of microbial sources to surface water to inform management of waterborne pathogens in Wyoming

Advisor: Dr. Sarah Collins, Sarah.Collins@uwyo.edu

B.S. and B.A. *May 2016.* Biology and Environmental Studies, Guilford College, Greensboro, NC.

Honors Thesis: Microbiota of Guilford College's Compost Tea

Advisor: Dr. Melanie Lee-Brown, mleebro@guilford.edu

Research and Field Experiences

Graduate Research Assistant

University of Wyoming, Department of Zoology & Physiology, WY

November 2019- Present

Biological Science Technician: Assistant Crew Lead

National Park Service, Sequoia and Kings Canyon National Parks, CA

June 2019- October 2019

Biological Science Technician

U.S. Geological Survey, Yosemite National Park, CA & Great Basin, NV

June 2017- May 2019

Field Research Intern

Monterey Bay Aquarium Sea Otter Research and Conservation, Monterey, CA

January 2017- June 2017

Native Trout Conservation Intern

The Student Conservation Association, Yellowstone National Park, WY

August 2016- October 2016

Technical Report

Halstead, B.J., Kleeman, P.M., Duarte, A., Rose, J.P., Urquhart, K., Mellison, C., Guadalupe, K., Cota, M., Van Horne, R., Killion, A., and **Ruehling, K.**, 2019, Monitoring protocol development and assessment for narrowly endemic toads in Nevada, 2018: U.S. Geological Survey Open-File Report 2019-1067, 28 p., <https://doi.org/10.3133/ofr20191067>.

Professional Presentations

Ruehling, K. Multi-method monitoring approach to inform management of waterborne pathogens in Wyoming. Poster Presentation, Society of Freshwater Science, May 2021. Online

Ruehling, K. Microbiota of Guilford College's Compost Tea. Presentation, National Conference of Undergraduate Research, April 2016. Asheville, NC

Ruehling, K. Microbiota of Guilford College's Compost Tea. Presentation, North Carolina Academy of Science Conference, April 2016. Fayetteville, NC

Ruehling, K. Effect of urbanization on Piedmont stream health and salamander populations. Presentation, Carolina Area Benthologic Workshop, April 2015. Hot Springs, NC

Scholarships and Grants

University of Wyoming, Scott Walter Foundation Fund Travel Award, \$500 2022

University of Wyoming, L. Floyd Clarke Graduate Scholar, \$500, \$2,000 2021, 2022

University of Wyoming, Vern Bressler Fisheries Fund, \$1,500 2022

Partner in Conservation, Teton Conservation District, \$3,780 2021

University of Wyoming, Michael and Linda Tiernan Scholarship and Research Fund, \$1,000 2021

University of Wyoming, Arts and Science Small Grant, \$3,990 2020

“Interactive effects of temperature and nutrient availability on aquatic microbial communities”

PI- Sarah Collins, Co-PIs- **Kelsey Ruehling** and Karen Jorgenson

University of Wyoming, Jackson Hole One Fly (Dennis Andersen Memorial), \$3,000 2020