

Kendra Gallo

(608) 262-0311
Madison, WI
Kdahmer@wisc.edu

Graduate Research Assistant
Comparative Biomedical Science

<https://kendragallo.github.io>
github.com/KendraGallo

Analytically minded data scientist with five years of computational experience across many collaborative projects. Prepared to pivot from biological datasets to more analytic and innovative pipelines. Looking for a position that allows growth and ability to learn more complex algorithms.

SKILLS

Tools and Languages	Expertise: R (dplyr, tidyverse, ggplot), Git/GitHub, Markdown Proficient: SQL, HTML, LaTeX, Jupyter, Visual Studio Progressing: Python (PyData stack, numpy, pandas, scipy, scikit-learn), Unix shell/Bash
Quantitative Research	Machine learning Models in R

EDUCATION

PhD , Department of Pathobiological Sciences, School of Veterinary Medicine, University of Wisconsin-Madison	May 2023
Bachelor of Science , Microbiology, University of Wisconsin-Milwaukee	Dec 2017
Associate of the Arts , Emphasis in Science, Golden West College	Dec 2012

TECHNICAL EXPERIENCE

Graduate Research Assistant / PhD Candidate University Wisconsin-Madison	Sept 2018 — Present Madison, WI
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- Developed and optimized advanced high-content screening and analysis methods
- *De novo* data analysis and visualization in R with cutting edge packages
- Experience with high-throughput computing (HTCondor), server and docker environments
- Big data and bioinformatic processing and analysis
- Expertise in wrangling and visualising diverse data types

Research Assistant / Undergraduate researcher USDA Forage Research Center	JAN 2016 — JUN 2016 Madison, WI
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- Bioinformatic and phylogenetic analysis of >1,000,000 genes to identify closely related species
- Narrowed search for individual gene of interest to <50,000 using SQL and ClustalX GUI
- Visualized and presented data to advisor as well as at a campus wide symposium

LEADERSHIP

Diversity, Equity and Inclusion Advisory Committee:

2021- : Graduate students representative for Comparative Biomedical Sciences program

Society for the Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS):

2019, 2022: Science Expeditions, DNA and model organisms

2019: Darwin Days, DNA extraction activity

2019: Food drive, 1,500 meals

2018- : Outreach chair, elected

Science and Medicine Graduate Research Scholars (SciMed GRS):

2021- : Student Executive Committee, elected representative

2019: Critical Mass, mentor for high school students

2019: Minorities in agriculture, natural resources, and related sciences (MANRRS), mentor

2018, 2019 : Nuestro Mundo, Science outreach nights

CAREER ADVANCEMENT

Health Science Data Carpentry Workshop:

Gained exposure to data skills

Data wrangling, management and organization, encoding data frame utilities and functions, statistics
openRefine, R (dplyr, ggplot), Rmd, SQL

Software carpentry:

Gained exposure to more advanced computational skills

Automating tasks, version control, plotting and programing in python, using interactive coding platforms
Unix shell, python, Git, GitHub, jupyter

Research Mentor Training:

Developed skills to be an efficient and effective mentor

Penned a mentoring philosophy to guide research mentorship

Implemented a mentor-mentee agreement to set expectations

Equity in STEM for All Genders:

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Gained knowledge and tools to identify bias in academic and research settings
Enacted strategies to make campus more LGBTQ+ inclusive through intervention and advocacy
Identified ways that gender bias influences and impacts training and career outcomes for STEM trainees

AWARDS

2023: Society for the Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS) Travel Scholarship (\$2,000)
2022-2023: Science and Medicine Graduate Research Scholars(SciMed-GRS) Dissertator Fellowship, University Wisconsin-Madison (\$33,000)
2021: Ford Foundation Predoctoral Fellowship Program, University Wisconsin-Madison (Honorable Mention)
2019-2021: National Institute of Health Parasite and Vector Biology Training Grant (NIH-PVB-T32), University Wisconsin-Madison (\$40,000/year)
2019: National Science Foundation Graduate Research Fellowships Program (NSF-GRFP) (Honorable Mention)
2018-2019: Science and Medicine Graduate Research Scholars(SciMed-GRS) Fellowship, University Wisconsin-Madison (\$41,000)
2017-2018: American Society of Microbiology (ASM) Undergraduate Research Fellowship, University Wisconsin-Milwaukee (\$8,000)
2017: Ruth I Walker Tuition Scholarship, University Wisconsin-Milwaukee (\$4,045)
2017: Natural Science Minority Scholarship, University Wisconsin-Milwaukee (\$625)
2017: Lawton Scholar Award, University Wisconsin-Milwaukee (\$1,250)