

Sarah DeWolf, PhD

ADDRESS

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CONTACT

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EDUCATION

May 2025 **Doctor of Philosophy in Microbiology**, Iowa State University, Ames, IA, Major
Professor: Dr. Gregory Phillips. GPA 4.00/4.00.

May 2019 **Bachelor of Arts in Biology and English**, Truman State University, Kirksville, MO.
Cumulative GPA 4.00/4.00.

TEACHING EXPERIENCE

Aug 2025 **Assistant Professor of Instruction, University of Northern Iowa**, Cedar
-Present Falls, IA

Aug 2023 **Instructor, Laboratory in Microbial Physiology, Diversity, and Genetics, Iowa**
-May 2025 **State University**, Ames, IA

Feb 2023 **Guest Lecturer, Introduction to Microbiology, Iowa State University**, Ames,
IA

Jan 2022 **Teaching Assistant, Laboratory in Microbial Physiology, Diversity, and**
-May 2023 **Genetics, Iowa State University**, Ames, IA

March 2022 **Guest Lecturer, Biology of Microorganisms, Iowa State University**, Ames, IA

Jan-May 2017 & **Teaching Assistant, Introductory Biology Lab, Truman State University**, Aug-
Dec 2018 Kirksville, Missouri

Jan-May 2017 **Teaching Assistant, Chemical Principles Lecture, Truman State University**,
Kirksville, Missouri

Aug-Dec 2016 **Biology Tutor, Truman State University Center for Academic Excellence**,
Kirksville, Missouri

RESEARCH EXPERIENCE

Aug 2019 **Graduate Research Assistant, Lab of Dr. Gregory Phillips, Iowa State**
 -May 2025 **University, Ames, Iowa**

Jun-Jul 2018 **Summer Research Intern, Lab of Dr. Deborah Anderson, University of**
Missouri, Columbia, Missouri

SERVICE EXPERIENCE

Sept 2024 **Graduate Student Panelist, Microbiology Seminar Class, Iowa State University**

March 2024 **Judge of Student Oral Presentations and Posters, Interdepartmental**
Microbiology Program 2024 Spring Retreat, Iowa State University

Multiple **Volunteer, The Program for Women in Science and Engineering Go Further**
Conference, Iowa State University

Sept 2023 **Graduate Student Panelist, Survey of Microbiology Careers Class, Iowa State**
 & 2024 **University**

June 2022- **Membership Recruitment and Retention Chair, Microbiology Graduate**
 May 2024 **Student Organization (MGSO), Iowa State University**

March 2022 **Graduate Student Panelist, Beta Beta Beta Meeting, Iowa State University**

December 2021 **Guest Speaker, Freshman Microbiology Orientation Class, Iowa State**
University.

July 2021 **ISU Facilitator, Joint Science and Technology Institute, Ames, Iowa**

AFFILIATIONS

2022-Present **The Honor Society of Agriculture, Gamma Sigma Delta, Iowa State**
University, Ames, IA

2021-Present **American Society for Microbiology**

2019-2025 **Microbiology Graduate Student Organization, Iowa State University,**
 Ames, IA

2018-Present **The Phi Beta Kappa Society**

2018-2019 **The Honor Society of Phi Kappa Phi**

2016-2019 **Beta Beta Beta, Truman State University, Kirksville, MO, National**

Biological Honors Society

HONORS AND AWARDS

2025	Teaching Excellence Award , Iowa State University
2024	Graduate and Professional Student Senate Wakonse Conference Award , Iowa State University
2023	Center for the Integration of Research, Teaching, and Learning (CIRTL) Scholar Certificate , Iowa State University
2023	Center for the Integration of Research, Teaching, and Learning (CIRTL) Practitioner Certificate , Iowa State University
2023	Preparing Future Faculty Fellow Certificate , Iowa State University
2022	Center for the Integration of Research, Teaching, and Learning (CIRTL) Associate Certificate , Iowa State University
2022	Preparing Future Faculty Associate Certificate , Iowa State University
2019	Graduate Dean's Scholar Award , Iowa State University, \$36,000/year for 3 years
2015-2019	President's List , Truman State University
2015-2019	President's Honorary Scholarship , Truman State University, \$1,000
2015	President's Leadership Scholarship , Truman State University, \$1,200

PRESENTATIONS

May 24, 2024	Facilitated Concurrent Session: "Making Learning Visible through One-Page Papers." Suzanne Porath, Sarah DeWolf , 34th Annual Wakonse Foundation Conference on Inspiring College Teaching
Multiple	Poster: "Genetic basis for ampicillin resistance and unique gene expression patterns of the <i>Escherichia coli</i> pathobiont strain LF82." Sarah DeWolf , Melissa Arroyo-Mendoza, Gregory Phillips <ul style="list-style-type: none"> ❖ Interdepartmental Microbiology Spring Retreat, Iowa State University, Ames, IA, March 21, 2023 ❖ College of Veterinary Medicine Research Day, Iowa State

University, Ames, IA, August 16, 2022

➤ 4th Place Graduate Student Poster Award (\$75)

❖ American Society for Microbiology Microbe, Washington, D. C.,
June 10, 2022

- April 13, 2022 **Virtual Oral Presentation:** “A Hands-On Activity Using Informational Suppressor Mutant Strains to Illustrate the Central Dogma of Genetics.”
Sarah DeWolf, Rachael Brady, Sparrow Hartmann, Gregory Phillips, Nancy Boury, Center for the Integration of Research, Teaching, and Learning (CIRTL) Network Teaching-as-Research Presentations.
- November 19, 2021 **Virtual Oral Presentation:** “Promoter mutagenesis to investigate the contribution of a $\sigma 70$ variant to antibiotic resistance in *E. coli* pathobiont LF82.” **Sarah DeWolf**, Gregory J. Phillips, American Society for Microbiology North Central Branch 81st Annual Meeting.
❖ 3rd Place Graduate Oral Presentation (\$150)
- August 11, 2021 **Virtual Poster:** “Understanding the Genetic Basis of Antibiotic Resistance in *E. coli* Pathobiont LF82.” **Sarah DeWolf**, Melissa Arroyo-Mendoza, and Gregory J. Phillips, College of Veterinary Medicine Research Day, Iowa State University, Ames, IA.
❖ 3rd Place Graduate Student Poster Award (\$100)
- July 26, 2018 **Poster:** “*Y. pestis*-induced cell death: the generation of YopJ domain mutants” **Sarah DeWolf**, Rachel Olson, and Deborah Anderson, Undergraduate Research and Creative Achievements Forum, University of Missouri, Columbia, MO.

PUBLICATIONS

- 2024 **Research Article:** “A single rare $\sigma 70$ variant establishes a unique gene expression pattern in the *E. coli* pathobiont LF82.” Melissa Arroyo-Mendoza, Alexandra Proctor, Abraham Correa-Medina, **Sarah DeWolf**, Meghan Wymore Brand, Virginia Rosas, Hernan Lorenzi, Michael J

Wannemuehler, Gregory J Phillips, Deborah M Hinton. *Nucleic Acids Research*. DOI: <https://doi.org/10.1093/nar/gkae773>

2023

Research Article: “Changing colors and understanding: the use of mutant chromogenic protein and informational suppressor strains of *Escherichia coli* to explore the central dogma of molecular biology.” **Sarah DeWolf**, Maartje Van den Bogaard, Rachael Brady Hart, Sparrow Hartman, Nancy Boury, Gregory J. Phillips. *Journal of Microbiology and Biology Education*. DOI: <https://doi.org/10.1128/jmbe.00094-23>