

**DeLacy V. L. Rhodes**  
**Associate Professor of Biology**  
**Berry College, Department of Biology**  
**Mount Berry, GA 30149**  
**706-238-7812, [drhodes@berry.edu](mailto:drhodes@berry.edu)**

**EDUCATION**

Ph.D. Microbiology and Immunology, Virginia Commonwealth University, 2011  
Dissertation Title: Investigating the Role of Outer Surface Protein C (OspC) in *Borrelia burgdorferi* Pathogenesis (Advisor: Dr. R. Marconi)

M.S. Biology, Austin Peay State University, 2006  
Thesis Title: Reservoir Competence of North American Bird and Rodent Species for the Lyme Disease Spirochete, *Borrelia burgdorferi* (Advisor: Dr. C. Brooks)

B.S. Biology, minor in Agriculture, Austin Peay State University, 2004

**PROFESSIONAL APPOINTMENTS**

2023-present	Berry College Associate Professor, Tenured
2015-present	Berry College Assistant Professor, Tenure-track
2013-2015	J. Sargeant Reynolds Community College, Adjunct Professor
2011-2013	Virginia Commonwealth University, IRACDA Postdoctoral program
2006-2007	Austin Peay State University, Adjunct Professor
2004-2006	Austin Peay State University, Graduate Teaching Assistant

**I. TEACHING AND MENTORING**

**Courses Taught**

**Berry College**

BCC100 First Year Seminar  
BIO108 Understanding Human Genetics (Foundations) Lecture and Lab  
BIO201 Fundamentals of Microbiology (for Allied Health) Lecture and Lab  
BIO301 Microbiology Lecture and Lab  
BIO401 Bacterial Pathogenesis Lecture  
BIO490 Seminar in Biology

**J. Sargeant Reynolds Community College**

BIO101 General Biology Lecture and Lab

**Virginia Union University (as part of postdoctoral fellowship)**

BIO201 General Microbiology Lecture and Lab

**Austin Peay State University**  
BIOL1010 Principles of Life Lecture  
BIOL1020 Diversity of Life Lecture and Lab  
BIOL2301 Principles of Microbiology Lab

### **Students Mentored as Teaching Assistants**

2024-2025	Hannah Blanton, Christopher Bryan
2023-2024	Hannah Blanton, Annalie Harris
2022-2023	Bryce Thomas, Alex Bowron, Sage Martin
2021-2022	Bronson Pierce, Bryce Thomas
2020-2021	Oakleigh Reeves, Maddie Hardin, Maria Walsh, Bronson Pierce
2019-2020	Erin Davenport, Maddie Hardin, Madison Barshick
2018-2019	Anna Clair Tucker, Orlando De la O Marchena, Cole Beddingfield, Cherise Kamerman
2017-2018	Hannah Stanley and Ethan Hart
2016-2017	Kelsey Morkem and Hannah Stanley
2016	Leah Burndt and William Moraga

## **II. RESEARCH AND SCHOLARSHIP**

### **Peer-Reviewed Manuscripts (\*Denotes student authors)**

\*Thomas, B., Saylor, R., Taylor, Z., and **Rhodes, D.** 2023. Evaluating Trends in Strangles Outbreaks with Weather patterns in the United States of America 2018-2022. *Pathogens* 12(9), 1106.

**Rhodes, D.**, Rhodes, J. 2022 Creating a Digital Assistant for the Laboratory Sciences using the HelixAI Platform. *SLAS Technology*. 27(5) 284-289.

\*Reifenberger, G., \*Thomas, B., **Rhodes, D.** 2022. Comparison of DNA Extraction and Amplification Techniques for Use with Engorged Hard-Bodied Ticks. *Microorganisms* 10(6), 1254.

**Rhodes, D.**, \*Barshick, M. 2021. Adapting a Bacterial Unknowns Project to Online Learning: using Microsoft PowerPoint to Create an Unknowns Identification Simulation. *Journal of Microbiology and Biology Education* 2:e00104-21.

\*Stanley, H. and **Rhodes, D.** 2021. Presence of *Rickettsia* Species in Ticks Collected from Companion Animals in Northeastern Georgia, United States. *Veterinary Sciences* 2021, 8(3), 37

Izac, J., O'Bier, N., Oliver, L., Camire, A., Earnhart, C., **Rhodes, D.**, Mutchler, V., Meuss, P., Honsberger, N., King, V., Johnson, J., Young, B., Parnham, S., Davies, C. and Marconi, R. 2020. Development and optimization of OspC chimeritope vaccinogens for Lyme disease. *Vaccine* 38(8):1915-1924.

Oliver L., Earnhart, C., **Rhodes, D.**, Theisen, M., Marconi R., 2016. Antibody profiling of canine IgG responses to the OspC protein of the Lyme disease spirochetes supports a multivalent approach in vaccine and diagnostic assay development. *The Veterinary Journal* 218:27-33.

Earnhart, C., **Rhodes, D.**, Smith, A., Yang, X., Tegels, B., Carlyon, J., Pal, U., and Marconi, R. 2014. Assessment of the highly conserved C-terminal motif (C10) of *Borrelia burgdorferi* outer surface protein C (OspC) in transmission and infectivity. *Pathogens and Disease* 70(2):176-84.

**Rhodes, D.**, Crump, K., Makhlynets, O., Snyder, M., Ge, X., Xu, P., Stubbe, J., and Kitten, T. 2014. Genetic Characterization and Role in Virulence of the Ribonucleotide Reductases of *Streptococcus sanguinis*. *Journal of Biological Chemistry* 289(9):6273-87

Makhlynets O, Boal A, **Rhodes D**, Kitten T, Rosenzweig A, Stubbe J. 2014. *Streptococcus sanguinis* class Ib ribonucleotide reductase: high activity with both iron and manganese cofactors and structural insights. *Journal of Biological Chemistry* 289(9):6259-72

**Rhodes D.**, Earnhart C., Mather T., Meeus P., Marconi R. 2013. Identification of *Borrelia burgdorferi* ospC genotypes in canine tissue following tick infestation: Implications for Lyme disease vaccine and diagnostic assay design. *The Veterinary Journal* 198(2):412-8

Miller D., McDowell J., **Rhodes D.**, Allard A., Caimano M., Bell J., Marconi R. 2013. Sequence divergence in the *Treponema denticola* FhbB protein and its impact on factor H binding. *Molecular Oral Microbiology* 28(4):316-30.

Earnhart C., **Rhodes D.**, Marconi R. 2011. Disulfide-mediated oligomer formation in *Borrelia burgdorferi* outer surface protein C, a critical virulence factor and potential Lyme disease vaccine candidate. *Clinical Vaccine Immunology* 18(6):901-6.

Earnhart, C., **LeBlanc, D.**, Alix, K., Desrosiers, D., Radolf, J., and Marconi, R. 2010. Identification of residues within ligand binding domain 1 (LBD1) of the *B. burgdorferi* OspC protein required for function in the mammalian environment. *Molecular Microbiology* 76(2):393-408.

### **Non-Peer Reviewed Publications**

**Rhodes, D.** and Rhodes, J. 2019. Audio Assistance: Voice Technology in Laboratories. *Innovations in Pharmaceutical Technology*. 2019 Jan: 30-32.

### **Presentations at Professional Meetings/Invited Seminars**

**Rhodes, D.** 2018. Voice Technology in the Laboratory Sciences. Invited Seminar. American Chemical Society National Meeting. Boston, MA.

**Rhodes, D.** 2014. Investigating the Ecology and Pathogenesis of the Lyme Disease Spirochete *Borrelia burgdorferi*. Invited Seminar. Berry College. Mount Berry, GA.

**Rhodes, D.,** Earnhart, C., and Marconi, R. 2012. Investigating the Lyme Disease Bacteria Through Genetic Manipulation of Outer Surface Protein C (OspC). Invited seminar. Virginia Union University. Richmond, VA.

Earnhart, C., **Rhodes, D.,** and Marconi, R. 2010. Phylotypes of outer surface protein C (OspC) of the Lyme *Borrelia* may mediate mammalian host species specificity. Presentation to the Virginia Branch of the American Society for Microbiology Meeting, Lynchburg, VA.

**Rhodes, D.,** Earnhart, C., and Marconi, R. 2010. Analysis of ligand binding domain 2 (LBD2) surface charge on *Borrelia burgdorferi* infectivity and dissemination. Presentation to the Virginia Branch of the American Society for Microbiology Meeting, Lynchburg, VA.

Earnhart, C., **LeBlanc, D.,** Alix, K., Desrosiers, D., Radolf, J., and Marconi, R. 2010. Identification of residues within ligand binding domain 1 (LBD1) of the *B. burgdorferi* OspC protein required for function in the mammalian environment. Poster. Presentation to the Gordon Conference on the Biology of Spirochetes, Ventura, CA.

Earnhart, C., **LeBlanc, D.,** Desrosiers, D., Radolf, J., and Marconi, R. 2009. Allelic exchange replacement of *B. burgdorferi* outer surface protein C (*ospC*) with site-directed mutants that alter a putative ligand binding pocket dramatically influences infectivity and dissemination properties. Presentation to the Virginia Branch of the American Society for Microbiology Meeting, Richmond, VA.

**LeBlanc, D.,** Earnhart, C., and Marconi R. 2009. Analysis of Differences in Common Outer Surface Protein C (OspC) Types Found During Canine and Human Lyme Disease: Investigation of the Use of Dogs as a Sentinel. Presented to the Virginia Branch of the American Society of Microbiology. Richmond, VA.

**LeBlanc, D.,** Earnhart, C., and Marconi, R. 2009. Identification of the Predominant OspC Types Found During Canine Lyme Borreliosis. Poster. Presentation to the 26th Annual Daniel T. Watt's Day Research Symposium. Richmond, VA.

**LeBlanc, D.,** Earnhart, C., and Marconi, R. 2009. Identification of the Predominant OspC Types Found During Canine Lyme Borreliosis. Poster. Presentation to the Summit on Systems Biology. Richmond, VA.

Earnhart, C., **LeBlanc, D.,** Desrosiers, D., Radolf, J., and Marconi, R. 2009. Mutations altering protein structure of surface electrostatic charge of *Borrelia burgdorferi*/ outer surface protein C can modify infectivity and dissemination in the murine model of Lyme disease. Poster. Presentation to the Summit on Systems Biology, Richmond, VA.

**LeBlanc, D.,** Earnhart, C., and Marconi, R. 2009. Identification of the Predominant OspC Types Found During Canine Lyme Borreliosis. Poster. Presentation to the Mid-Atlantic Microbial Pathogenesis Meeting. Wintergreen, VA.

Earnhart, C., **LeBlanc, D.**, and Marconi, R., 2009. Development of an outer surface protein C (OspC)-based polyvalent chimeric Lyme disease vaccine for use as a companion animal vaccine. Poster. Presentation to the Mid-Atlantic Microbial Pathogenesis Meeting. Wintergreen, VA.

**LeBlanc, D.**, Earnhart, C., Meeus, P., and Marconi, R. 2008. Development of a second generation, canine Lyme vaccine: Identification of the predominant OspC types found in canine Lyme borreliosis. Presented to the Virginia Branch of the American Society of Microbiology. Harrisonburg, VA.

**LeBlanc, D.**, Freedman, J., McDowell, J., and Marconi, R. 2008. Inactivation of spirochetal Factor H binding proteins using allelic exchange mutagenesis. Poster. Presentation to the 25th Annual Daniel T. Watt's Day Research Symposium. Richmond, VA.

**LeBlanc, D.**, McMahan, J., Vazquez, J., and Brooks, C. 2007. Reservoir Competence of North American Bird and Rodent Species for the Lyme Disease Spirochete, *Borrelia burgdorferi*. Poster. Presented for Graduate Education Week. Nashville, TN.

**LeBlanc, D.**, McMahan, J., Vazquez, J., and Brooks, C. 2007. Endemicity of *Borrelia burgdorferi*, the bacterial agent of Lyme disease, in Middle Tennessee. Presentation to the Land Between the Lakes Research Forum. Golden Pond, KY.

**LeBlanc, D.**, McMahan, J., Vazquez, J., and Brooks, C. 2007. Reservoir Competence of North American Bird and Rodent Species for the Lyme Disease Spirochete, *Borrelia burgdorferi*. Poster. Presentation to the College of Science and Math Research Forum. Clarksville, TN.

**LeBlanc, D.**, McMahan, J., Vazquez, J., and Brooks, C. 2006. Endemicity of *Borrelia burgdorferi*, the bacterial agent of Lyme disease, in Middle Tennessee. Presentation to the Tennessee Academy of Science. Clarksville, TN.

### **Grantsmanship**

2025	Laura Maddox Smith Grant, Project Title: Molecular identification and characterization of nitrite-oxidizing bacterial species isolated from activated sludge samples taken from the Berry College campus, \$7,500.00
2024	Laura Maddox Smith Grant, Project title: Environmental sampling, enrichment, and cultivation of nitrite-oxidizing bacterial species from activated sludge samples taken from the Berry College campus, \$7,500.00
2023	Faculty Scholarship Grant, Project title: Isolation, Quantification, and Characterization of Nitrifying Bacteria for Use in Aquaculture Systems, \$2,481.46
2022	Faculty Scholarship Grant, Project title: Expression of genes associated with capsule formation in <i>Streptococcus equi</i> subspecies in the presence and absence of CO <sub>2</sub> , \$3,000.00
2021	Faculty Scholarship Grant, Project title: Investigation of biofilm formation by <i>Streptococcus equi</i> subspecies <i>equi</i> , the causative agent of the equine disease Strangles, \$2,938.54
2018	United States Army, Project title: Fort Campbell Fish and Wildlife Tick and Tick-borne Pathogens Study, \$2,622.13

2017 Faculty Development Grant, Project title: Distribution of tick species and associated pathogens on the Berry College campus, \$2,563.00

### **Professional Affiliations**

Southeastern Association of Biologists  
Southeastern Society of Parasitologists  
American Society of Microbiology  
Southeastern Branch of the American Society of Microbiology  
Georgia Academy of Science

### **Professional Development**

2024 Berry College CTEFD Course Design Institute, Rome, GA  
2021 Berry College CTEFD Course Design Institute, Rome, GA  
2021 Small World Initiative Partner Instructor Training, Virtual  
2020 American Society for Microbiology Conference on Undergraduate Education, Virtual  
2017 American Society of Microbiology Virtual Grant Writing Course (12 weeks)  
2013 Annual IRACDA Conference, Atlanta, GA  
2012 Annual IRACDA Conference, Philadelphia, PA

### **Students Mentored in Research**

2025 Hannah Blanton, Chris Bryan, Rae Hill, Torrey Anderson, Cooper Heard, Kiersten Stryker, Lillian Harris  
2024 Hannah Blanton, Annalie Harris, Chris Bryan, Gunnar Peterson, Bo Wysong-Smith, Kade Pajor  
2023 Bryce Thomas, Hannah Blanton, Annalie Harris, Chris Bryan  
2022 Bryce Thomas, Hannah Blanton  
2021 Bryce Thomas, Hannah Blanton  
2020 Madison Barshick, Grettie Reifenberger, Oakleigh Reeves, Bryce Thomas  
2019 Madison Barshick, Grettie Reifenberger, Daniel Hanberry, Orlando de la O Marchena, Savannah Shooter  
2018 Hannah Stanley, Austin Fowler, Ethan Hart, Ethan Hollis, Clara Hanger, Orlando de la O Marchena, Madison Barshick, Grettie Reifenberger, Daniel Hanberry, and Savannah Shooter  
2017 Charlotte Sinkula, Hannah Stanley, Sydney Bardwell, Austin Fowler, Ashley Woodard, AnnaLee Cooley, and Ethan Hart  
2016 Charlotte Sinkula, Hannah Stanley, Sydney Bardwell, and Savannah McKenzie  
2012 Ashwin Chetty and Bethel Kedebe  
2011 Rashmi Reddy  
2009 Katherine Mallory  
2006 Joseph Vazquez

### **Student Grants**

2025 Rae Hil, Synovus Grant, \$1,960  
2024 Gunnar Peterson, Richards Undergraduate Research Grant, \$1,500  
2024 Kade Pajor, Richards Undergraduate Research Grant, \$1,500

2023	Christopher Bryan, McCoy Science Scholars, \$2000.00
2023	Annalie Harris, Richards Undergraduate Research Grant, \$1,479.25
2023	Hannah Blanton, Richards Grant, \$4,823.00
2022	Hannah Blanton, Richards Science Scholars Grant, \$1,500.00
2022	Grettie Reifenberger, Student Research Development Fund, \$50.00
2022	Maddie Grucci, Student Research Development Fund, \$50.00
2021	Maddie Grucci, Richards Undergraduate Research Grant, \$1,495.00
2021	Bryce Thomas, Richards Undergraduate Research Grant, \$1,499.00
2020	Bryce Thomas, Richards Science Scholars Grant, \$1,500.00
2020	Oakleigh Reeves, Richard's Undergraduate Research Grant, \$1,485.00
2020	Ethan Hollis, Student Research Development Fund, \$288.40
2020	Savannah Shooter, Student Research Development Fund, \$318.40
2019	Savannah Shooter, Richards Undergraduate Research Grant, \$1,479.00
2019	Grettie Reifenberger, Synovus Grant, \$1,823.00
2019	Madison Barshick, Richards Grant, \$5,000.00
2018	Orlando de la O Marchena, Richards Undergraduate Research Grant, \$1,388.00
2018	Madison Barshick, Richards Science Scholars Grant, \$ 2,000.00
2017	Ethan Hart, Richards Undergraduate Research Grant, \$1,500.00
2017	Austin Fowler, Richards Undergraduate Research Grant, \$1,500.00
2016	Hannah Stanley, Kirbo Scholar Grant, \$1200.00
2016	Hannah Stanley, Student Research Development Fund, \$140.00
2016	Sydney Bardwell, Student Research Development Fund, \$90.00

### **Student Research Presentations**

Bryan, C. 2025. *Culture and Characterization of Nitrifying Bacteria for Optimized Seeding of Aquaculture Systems*. Southeastern Association of Biologists Meeting. Myrtle Beach, SC.

Blanton, H. 2025. *Streptococcus equi subspecies equi biofilm formation and role in environmental and host persistence*. Southeastern Association of Biologists Meeting. Myrtle Beach, SC.

Bryan, C. 2025. *Culture and Characterization of Nitrifying Bacteria for Optimized Seeding of Aquaculture Systems*. Berry College Student Symposium. Mount Berry, GA.

Blanton, H. 2025. *Streptococcus equi subspecies equi biofilm formation and role in environmental and host persistence*. Berry College Student Symposium. Mount Berry, GA.

Pajor, K. 2024. Presentation. Antibiotic susceptibility of clinical isolates of *Streptococcus equi* ssp. *equi* in planktonic and biofilm cultures. Berry College Symposium on Student Research. Mount Berry, GA

Wysong-Smith, B. 2024. Poster. Antibiotic susceptibility of clinical isolates of *Streptococcus equi* ssp. *equi* in planktonic and biofilm cultures. Berry College Symposium on Student Research. Mount Berry, GA

Harris, A. 2024. Biofilm formation of *Streptococcus equi* ssp. *equi* alters antibiotic susceptibility in vitro. Presentation. Berry College Symposium on Student Research. Mount Berry, GA

Blanton, H. 2024. Investigation of biofilm formation by *Streptococcus equi* subspecies *equi* with clinical isolates. Poster. Berry College Symposium on Student Research. Mount Berry, GA

Harris, A. 2023. Biofilm formation of *Streptococcus equi* ssp. *equi* alters antibiotic susceptibility in vitro. Presentation. Southeastern branch Meeting of the American Society for Microbiology. Auburn, AL.

Bryan, C. 2023. Correlation of Nitrification and Cell Enumeration of *Nitrosomonas europaea*. Poster. Southeastern branch Meeting of the American Society for Microbiology. Auburn, AL.

Blanton, H. 2023. Investigation of biofilm formation by *Streptococcus equi* subspecies *equi* with clinical isolates. Poster. Southeastern branch Meeting of the American Society for Microbiology. Auburn, AL.

Blanton, H. 2023. Investigation of biofilm formation by *Streptococcus equi* subspecies *equi* with microbial co-cultures. Poster. Berry College Symposium on Student Research. Mount Berry, GA

Thomas, B. 2023. Investigation of Biofilm Formation in *Streptococcus equi* subspecies *equi* and subspecies *zooepidemicus*. Presentation. Berry College Symposium on Student Research. Mount Berry, GA

Blanton, H. 2022. Investigation of biofilm formation by *Streptococcus equi* subspecies *equi* with microbial co-cultures. Poster. Southeastern branch Meeting of the American Society for Microbiology. Savannah, GA

Thomas, B. 2022. Investigation of Biofilm Formation in *Streptococcus equi* subspecies *equi* and subspecies *zooepidemicus*. Presentation. Southeastern branch Meeting of the American Society for Microbiology. Savannah, GA

Thomas, B. 2022. Investigation of biofilm formation by *Streptococcus equi* subspecies *equi* and *zooepidemicus*. Presentation. Berry College Symposium on Student Research. Mount Berry, GA

Grucci, M. 2022. Parasitic filaria detection of *dirofilaria immitis* in mosquitoes from southwest Florida. Presentation. Berry College Symposium on Student Research. Mount Berry, GA

Reifenberger, G. 2022. Methodology for DNA Extraction and Detection from Engorged Ticks. Presentation. Southeastern Society of Parasitologists meeting, Rome, GA.

Grucci, M. 2022. Parasitic Filaria detection of *dirofilaria immitis* in Mosquitoes from southwest Florida. Presentation. Southeastern Society of Parasitologists meeting, Rome, GA.



Thomas, B. 2021. Investigation of biofilm formation by *Streptococcus equi* subspecies *equi* and *zooepidemicus*. Southeastern Branch Meeting of the American Society for Microbiology. Virtual meeting.

Reifenberger, G. 2021. Methodology for DNA Extraction and Detection from Engorged Ticks. Presentation. Berry College Symposium on Student Research. Mount Berry, GA.

Barshick, M. 2021. Induction and Detection of dsRNA in transformed *Saccharomyces cerevisiae*. Presentation. Berry College Symposium on Student Research. Mount Berry, GA.

Barshick, M. 2021. Adapting a Bacterial Unknowns Project to Online Learning: Using Microsoft PowerPoint to Create an Unknowns Identification Simulation. Presentation. Southeastern Branch Meeting of the American Society for Microbiology. Virtual Meeting.

Reifenberger, G. 2020. Development of Methodology for DNA Extraction and Amplification from Fed Ticks. Presentation. Berry College Symposium on Student Research. Virtual Meeting.

Shooter, S. 2020. Investigation of Lagoon Irrigation as a Potential Reservoir of Pasture-Acquired Mastitis Pathogens. Presentation. Symposium on Student Research. Virtual Meeting.

Hollis, E. 2020. Pet Therapy Dogs as a Potential Source of Infection in the Healthcare Setting. Poster. Southeastern Branch Meeting of the American Society for Microbiology. Huntsville, AL.

Shooter, S. 2020. Investigation of Lagoon Irrigation as a Potential Reservoir of Pasture-Acquired Mastitis Pathogens. Southeastern Branch Meeting of the American Society for Microbiology. Huntsville, AL.

Reifenberger, G. 2019. Ticks and Tick-Borne Pathogens on Ft. Campbell Army Base. Poster. Berry College Symposium on Student Research. Mount Berry, GA.

De la O Marchena, O., and Asma, H. 2019. Mosquito Species and Dirofilarial Pathogens on Berry College Campus. Berry College Symposium on Student Research. Mount Berry, GA.

Barshick, M. 2019. Cloning of the *amp-kinase* gene from *Musca domestica* into *Saccharomyces cerevisiae*. Presentation. Berry College Symposium on Student Research. Mount Berry, GA.

Barshick, M. 2019. Cloning of the *amp-kinase* gene from *Musca domestica* into *Saccharomyces cerevisiae*. Presentation. Southeastern Society of Parasitology. Athens, GA.

Hanger, C. and Hollis, E. 2018. Comparison of Water Quality Measures of Ponds Impacted by Livestock versus Wildlife Alone. Poster. Berry College Symposium on Student Research. Mount Berry, GA.

Fowler, A. and Stanley, H. 2018. GIS Mapping of Tick Species and Associated Pathogens on Berry College Campus. Berry College Symposium on Student Research. Poster. Mount Berry, GA.

Hart, E. and Stanley, H. 2018. Analysis of Antibody-dependent Killing of *Borrelia burgdorferi* by Mouse Infection Serum. Presentation. Berry College Symposium on Student Research. Mount Berry, GA.

Stanley, H. and Bardwell, S. 2018. Pathogen Prevalence in Ticks from Companion Animals in Gainesville, Georgia. Presentation. Berry College Symposium on Student Research. Mount Berry, GA.

Stanley, H. and Bardwell, S. 2017. Survey of Tick-Borne Pathogens in Ticks Collected from the Campus of Berry College. Presentation. Berry College Symposium on Student Scholarship, Mount Berry, GA.

Fowler, A., and Woodard, A. 2017. Investigation of Avian Species in the Propagation of *Salmonella* and *E. coli* in a Dairy. Poster Berry College Symposium on Student Scholarship, Mount Berry, GA

Sinkula, C. 2017. Comparison of Water Quality of Ponds Impacted by Livestock Versus Wildlife. Presentation. Berry College Symposium on Student Scholarship, Mount Berry, GA.

Hart, E. 2017. Analysis of Two Outer Surface Protein C Recombinant Proteins by BN-PAGE. Presentation. Berry College Symposium on Student Scholarship, Mount Berry, GA.

McKenzie, S. 2017. Survey of Environmental *Enterococcus* spp. Isolates for Antibiotic Resistance. Poster. Berry College Symposium on Student Scholarship, Mount Berry, GA.

Stanley, H., McKenzie, S., Sinkula, C., Woodard, A., and Fowler, A. 2016. Comparison of Water Quality Measures of Ponds Impacted by Livestock Versus Wildlife. Poster. Southeastern Branch meeting of the American Society for Microbiology. University of North Alabama. Florence, Alabama.

Bardwell, S., Stanley, H., and McKenzie, S. 2016. Survey of Tick-borne Pathogens in Ticks Collected from Recreational Areas on the Campus of Berry College. Presentation. Southeastern Branch meeting of the American Society for Microbiology. University of North Alabama, Florence, Alabama.

### **III. COMMITTEES AND SERVICE**

#### **School of Mathematics and Natural Sciences/Berry College**

2024-2026	Member, Honors Committee
2023	Member, Search Committee for Creative Writing Faculty Member
2022	Member, Search Committee for Exercise Science Faculty Member
2022-2024	Member, Council for Center for Teaching Excellence and Faculty Development
2022-2024	Member, Council for Student Research
2022	Member, Search Committee for Visiting Analytical Chemist position
2022	Co-leader, Summer International Program (SIP) to Europe

2022	Organizer, Cultural Event “Painting with Bacteria”
2020-2023	Faculty Liaison, Berry Viking Crew Team
2020-2021	Member, Academic Counsel
2019-2021	Member, Council on Student Research
2018	Volunteer, Writing Across the Curriculum Committee
2018-2020	Member, Faculty and Staff Benefits Committee
2017-2019	Member, Planning Council
2017-2018	Parliamentarian, Faculty Assembly Executive Committee
2016-present	Member, Pre-Health Advisory Committee
2016-2018	Member, Writing Across the Curriculum Committee

### **Department**

2024-2025	Member, MNS Research Committee
2023	Represented Biology Department at Discover Berry event
2022	Represented Biology Department at Discover Berry event
2021-2022	Member, MNS Research Committee
2021	Member, Search Committee for Biology Lab Supervisor and Lecturer
2021	Represented Biology Department at Preview Day
2019	Represented Biology Department at Majors Fair
2018	Member, Search Committee for Genetics Faculty position
2017	Represented Biology Department at Discover Berry event
2016	Member, Search Committee for A&P Faculty position
2016	Represented Biology Department at Discovery Berry event
2015	Represented Biology Department at Discover Berry event

### **Discipline**

2022	Journal Reviewer, FEMS Microbiology Letters
2022	Organizer, Southeastern Society of Parasitologist conference
2021	Panelist, NSF HBCU-UP program, TIP grants
2021	Journal Reviewer, <i>Experimental and Applied Acarology</i>
2021	Judge, Graduate Oral Presentation Award, Southeastern Society of Parasitologists conference
2020	Journal Reviewer, <i>Journal of Microbiology and Biology Education</i>
2020	Journal Reviewer, <i>Bioinformatics</i>

### **Outreach Activities**

2025	Parts of the Cell field trip with 5 <sup>th</sup> graders, Berry College Elementary and Middle School
2025	Science Fair organizer, 4 <sup>th</sup> -6 <sup>th</sup> elementary school kids in the Rome city and private schools
2024	Parts of the Cell field trip with 5 <sup>th</sup> graders, Berry College Elementary and Middle School
2024	Science Fair judge, 4 <sup>th</sup> -6 <sup>th</sup> elementary school kids in the Rome city and private schools
2023	Science Fair judge, 4 <sup>th</sup> -6 <sup>th</sup> elementary school kids in the Rome city and private schools

2022	The Scientific Method with 4 <sup>th</sup> graders, Berry College Elementary and Middle School
2022	Microbiology with kindergarteners, Berry College Elementary and Middle School
2020	Microbiology with 5 <sup>th</sup> graders, West End Elementary School
2019	Microbiology with kindergarteners, Berry College Elementary and Middle School