

Ginny Williams Webb, Ph.D.
Department of Natural Sciences and Engineering
University of South Carolina Upstate
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Education

Medical University of South Carolina Ph.D.: Biomedical Science Microbiology & Immunology	2006-2010
Francis Marion University B.S. Summa Cum Laude with Honors Major: Biology Minor: Chemistry	2002-2006

Positions and Employment:

University of South Carolina Upstate	Professor of Biology	2023-Present
	Associate Professor of Biology	2020-2023
	Assistant Professor of Biology	2012-2020
South Carolina Law Enforcement Division	DNA lab, Forensic Scientist	2011-2012
Francis Marion University	Instructor of Biology	2011
College of Charleston	Adjunct Professor	2010
United States Department of Agriculture: Agricultural Research Service	Biology Lab Technician, Cotton Genetics	2005-2006

Courses taught:

- University of South Carolina Upstate
- BIOL 250: Principles of Microbiology with lab
 - BIOL 260: Emerging Infectious Diseases
 - BIOL 330: Microbiology with lab
 - BIOL 560: Virology
 - BIOL 599: Biology Senior Seminar
- Francis Marion University
- BIOL 105: Introduction to Biology with lab
- College of Charleston
- Genetics Lab
- The Citadel
- Introduction to Biology II Lab, Teaching assistant

Publications:

* Denotes student author

(Papers published in 2012 and earlier list my maiden name Williams as the author; Some papers list my first name as Virginia and others as Ginny)

1. Phan, C.*, Mercado, B.*, Travis, J., & **G. Webb**. Identifying the predictors of pediatric vaccine uptake during the COVID-19 pandemic. *COVID*. 2024; 4(4):495-505.
2. Mercado, B.*, Phan, C.*, **Webb, G.**, & J. Travis. Knowledge and identity antecedents of COVID-19 vaccine status: a study of South Carolina residents. *J Prev Med Hyg*, 2023 Aug 1; 64(2);E145-151. doi: 10.15167/2421-4248/jpmh2023.64.2.2882
3. Sacchetti, B.*, Travis, J., Steed, L.L., and **G. Webb**. Identification of the main contributors to blood culture contamination at a tertiary care academic medical center. *Infection Prevention in Practice*. 2022 Sept; 4(3) <https://doi.org/10.1016/j.infpip.2022.100219>
4. Sacchetti, B.*, Travis, J., Steed, L.L., and **G. Webb**. Effects of the Coronavirus Disease 2019 (COVID-19) on blood culture contamination at a tertiary care academic medical center. *Microbiology Spectrum*. 2022 April; 10(2). <https://doi.org/10.1128/spectrum.00277-22>
5. Sacchetti, B.* and **G. Webb**. Factors affecting blood culture contamination rates and effective reduction measures. *Reviews and Research in Medical Microbiology*. 2022 Oct; 33(4): 221-28
6. Travis, J., Harris, S., Fadel T.*, **G. Webb**. Identifying the determinants of COVID-19 preventative behaviors and vaccine intentions among South Carolina residents. *PLOS ONE*. 2021. 16(8): e0256178. <https://doi.org/10.1371/journal.pone.0256178>
7. Fadel, T.*, Travis, J., Harris, S. & **G. Webb**. The roles of experiences and risk perception in the practice of preventative behaviors of COVID-19, *Pathogens and Global Health*. 2021. DOI: 10.1080/20477724.2021.1957595
8. Momin M.* and **G. Webb** The Environmental Effects on Virulence Factors and the Antifungal Susceptibility of *Cryptococcus neoformans*. *International Journal of Molecular Sciences*. 2021; 22(12):6302. <https://doi.org/10.3390/ijms22126302>
9. Ghaffar, M.*, Orr, C.* and **G. Webb**. Antiphagocytic protein 1 increases the susceptibility of *Cryptococcus neoformans* to amphotericin B and fluconazole. *PloS One*. 2019. 14(12): e0225701
10. Kenekham, K.*, Ferris, K., and **G. Webb**. Efficacy of Chemical Disinfectant Wipes on Children's Books. *USC Upstate Student Research Journal*. 2018; 11: 1-8. (Award for best student paper)
11. Gudakova, I.*, Kim, J.*, Meredith, J., and **G. Webb**. Microbial contamination on touch surfaces in sick and well-child waiting rooms in pediatric outpatient facilities. *Pediatr Infect Dis J*. 2017 Dec; 36(12): e303-e306.

12. Patel, D. *, Stansell, J. *, Jaimes, M.*, Ferris, K., and **G. Webb**. A survey of microbial contamination on restaurant nonfood-contact surfaces. *J. Food Safety*. 2017; 37(1) doi: 10.1111/jfs.12287.
13. Hughes, M.A.*, Downs, R.M. *, **Webb, G.**, Crocker, C., Kinsey, S., and B. Baumgarner. Acute high-caffeine exposure increases autophagic flux and reduces protein synthesis in C2C12 skeletal myotubes. *Journal of Muscle Research and Cell Motility*. 2017; 38(2): 201-214.
14. **Webb, G.** A review of microbiology service-learning. *FEMS Microbiol Letters*. 2017 Feb 1; 364(4).
15. **Webb, G.** Learning through teaching: A microbiology service learning experience. *J. Microbiology and Biology Education*. 2016 March; 83-86.
16. **Webb, G.** The use of stuffed microbes in an undergraduate microbiology course. *J. Microbiology and Biology Education*. 2015 Dec; 16(2): 282-285.
17. Martini, B*., Orr, C*., and **G. Webb**. Striking up the conversation: quorum sensing in fungi. *Fine Focus*. 2015; 1(2): 139-151.
18. Quershi, A. **Williams, V.** and M. Del Poeta. Expression and Characterization of *Cryptococcus neoformans* Recombinant App1. *Mycopathologia*. 2012 June; 173(5-6): 395-405.
19. **Williams, V.E.** and M. Del Poeta. The role of glucose on the expression of the *Cryptococcus neoformans* antiphagocytic protein 1 (App1). *Eukaryotic Cell*. 2011 March; 10(3): 293-301.
20. Campbell, B.T. , **Williams, V.E.**, and W. Park. Using molecular markers and field performance data to characterize the Pee Dee cotton germplasm resources. *Euphytica*. 2009 Oct; 169(3): 285-301.
21. Stano, S. and **Williams, V.**, Villani, M., Cymbalyuk, E., Qureshi, A., Huang, Y., Morace, G., Luberto, C., Tomlinson, S., and M. Del Poeta. App1: An antiphagocytic protein that binds to complement receptors 3 and 2. *J. Immunol*. 2009 Jan 1; 182(1):84-91.

Presentations at Professional Meetings:

* Denotes student author

1. **G. Webb**. Poster: Determinants of parental decisions regarding pediatric COVID-19 vaccine uptake. American Society for Microbiology World Microbe Forum. Atlanta, GA. June 2024
2. G. Webb. Poster: Identifying the predictors of COVID-19 preventative behaviors. American Society for Microbiology World Microbe Forum. Virtual meeting, June 2021
3. **Webb, G.**, Grainger, L., Kennedy, T., D. Marlow. Re-envisioning affective impacts of health related service during pandemic response. Gulf South Summit, Virtual meeting, March 2021 (Co-Presenter)

4. Harris, S., Travis, J., **G. Webb**. Partisanship and self-preservation: exploring COVID preventative behavior among South Carolina adults. Midwest Political Science Association Annual Meeting. Virtual meeting. April 2021 (Co-author, not presenter)
5. Martini, B.*, Orr, C.*, and **G. Webb**. Poster: The Effect of Antifungal Therapies on Antiphagocytic protein 1, a Virulence Factor of *Cryptococcus neoformans*. American Society for Microbiology General Meeting; New Orleans, LA, May 2015.
6. **Webb, G.** Invited speaker: A glimpse into the molecular mechanisms of Antiphagocytic protein 1, a virulence factor of *Cryptococcus neoformans*. American Society for Microbiology, SC branch meeting, Columbia, SC, October 2012.
7. **Williams, V.** Poster: The function and regulation of antiphagocytic protein 1, a virulence factor of *Cryptococcus neoformans* that is regulated by sphingolipids. Southeastern Regional Lipid Conference. Cashiers, NC, November 2009.
8. **Williams, V.** Poster: Characterizing the function, expression, and regulation of antiphagocytic protein 1, a virulence factor of *Cryptococcus*. MUSC Student Research Day, Charleston, SC, November 2009.
9. **Williams, V.** Poster: Characterizing the function and expression of antiphagocytic protein 1 (App1). The American Society for Microbiology General Meeting; Philadelphia, PA, May 2009.
10. **Williams, V.** Poster: App1: an antiphagocytic protein regulated by sphingolipids that binds to complement receptors 3 (CR3) and 2 (CR2). Southeastern Regional Lipid Conference. Cashiers, NC, November 2008.
11. **Williams, V.** Oral presentation: App1: An antiphagocytic protein with potential for an antitumoral function. MUSC Student Research Day, Charleston, SC, November. 2007.
12. **Williams, V.** Poster presentation: Antiphagocytic protein 1 binds complement receptors 2 and 3 and has the potential to serve as a tumor growth inhibitor. Southeastern Regional Lipid Conference. Cashiers, NC, November 2007.
13. **Williams, V.** and T. Campbell. Oral presentation: Using molecular markers to measure genetic diversity in cotton. Francis Marion University Program for Undergraduate Research Experience Symposium, Florence, SC, April 2006.

Student Presentations at Professional Meetings:

* Denotes student author

1. Gunter, E.*, Paniagua, C.* and **G. Webb**. Oral presentation. A glowing success: Microbiology service learning. SC Upstate Research Symposium. Spartanburg, SC. April 2024.
2. Phan, C.*, Mercado, B.*, Travis, J., and **G. Webb**. Poster presentation. Identifying the determinants of pediatric vaccine uptake during the COVID-19 pandemic. SC Upstate Research Symposium. Spartanburg, SC. April 2023.

3. Mercado, B.* , Phan, C.* , Travis, J., and **G. Webb**. Poster presentation. Knowledge and Identity Antecedents of COVID-19 vaccine status: A Study of South Carolina Residents. SC Upstate Research Symposium. Spartanburg, SC. April 2023.
4. Phan, C.* , Mercado, B.* , Travis, J., and **G. Webb**. Poster presentation. Identifying the determinants of pediatric vaccine uptake during the COVID-19 pandemic. American Society for Microbiology, SC Branch meeting. April 2023. (1st place undergraduate presentation award)
5. Mercado, B.* , Phan, C.* , Travis, J., and **G. Webb**. Poster presentation. Knowledge and Identity Antecedents of COVID-19 vaccine status: A Study of South Carolina Residents. American Society for Microbiology, SC Branch meeting. April 2023.
6. Phan, C.* , Mercado, B.* , Travis, J., and **G. Webb**. Poster presentation. Identifying the determinants of pediatric vaccine uptake during the COVID-19 pandemic. USC Discovery Day, Columbia, SC, April 2023. (2nd place Health Sciences award)
7. Mercado, B.* , Phan, C.* , Travis, J., and **G. Webb**. Poster presentation. Socioeconomic Determinants of COVID-19 Vaccine Hesitancy. USC Discovery Day, Columbia, SC, April 2023. (Honorable mention in Health Sciences)
8. Sacchetti, B.* , Travis, J., Steed, L.L., and G. Webb. Oral Presentation. Effects of the coronavirus disease 2019 (COVID-19) on blood culture contamination at a tertiary care medical center. SC Upstate Research Symposium. Spartanburg, SC April 2022. (1st place Health Sciences presentation award)
9. Sacchetti, B.* , Travis, J., and **G. Webb**. Oral Presentation. Effects of the coronavirus disease 2019 (COVID-19) on blood culture contamination at a tertiary care medical center. American Society for Microbiology, SC Branch meeting. Virtual meeting. October 2021. (2nd place undergraduate presentation award)
10. Fadel, T.* , Travis, J., Harris, S., and **G. Webb**. Oral presentation. Is seeing believing? Examining compliance to COVID-19 preventative behaviors. SC Upstate Research Symposium. Virtual meeting. April 2021
11. Tran, K.* , Fadel, T.* , **Webb, G.**, Harris,S., and J. Travis. Poster presentation. Gone viral: How belief in QAnon affects adherence to preventative behaviors and vaccine intentions for COVID-19. SC Upstate Research Symposium. Virtual meeting. April 2021.
12. Kenekham, K.* , Ferris, K, and **G. Webb**. Poster Presentation. Efficacy of chemical disinfectant wipes on children's books. SC Upstate Research Symposium, Spartanburg, SC, April 2019.
13. Kenekham, K.* , Ferris, K, and **G. Webb**. Poster Presentation. Efficacy of chemical disinfectant wipes on children's books. USC Discovery Day, Columbia, SC, April 2019.
14. Ghaffar, M.* and **G. Webb**. Oral presentation. The effect of App1 on the susceptibility of *Cryptococcus neoformans* to antifungal drugs. SC Upstate Research Symposium, Spartanburg, SC, April 2017.

15. Ghaffar, M.* and **G. Webb**. Oral presentation. The effect of App1 on the susceptibility of *Cryptococcus neoformans* to antifungal drugs. USC Discovery Day, Columbia, SC, April 2017. (1st place Science, Technology, Engineering, and Math award)
16. Kim, J. *, Gudakova, I. *, Meredith, J., and **G. Webb**. Oral presentation. Microbial contamination on touch surfaces in sick and well-child waiting rooms in pediatric outpatient facilities. SC Upstate Research Symposium, Spartanburg, SC, April 2017. (1st place natural sciences presentation award)
17. Kim, J. *, Gudakova, I. *, Meredith, J., and **G. Webb**. Oral presentation. Microbial contamination on touch surfaces in sick and well-child waiting rooms in pediatric outpatient facilities. American Society of Microbiology, SC Branch meeting, Spartanburg, SC, October 2016. (1st place undergraduate presentation award)
18. Ghaffar, M. * and **G. Webb**. Oral presentation. The effect of App1 on the susceptibility of *Cryptococcus neoformans* to antifungal drugs. American Society of Microbiology, SC Branch meeting, Spartanburg, SC, October 2016. (2nd place undergraduate presentation award)
19. Patel, D.*, Stansell, J.*, Jaimes, M. *, Ferris, K., and **G. Webb**. Poster Presentation. A survey of microbial contamination on restaurant nonfood-contact surfaces. American Society of Microbiology, SC Branch meeting, Charleston, SC, April 2016.
20. Stansell, J. *, Patel, D. *, Jaimes, M. *, Ferris, K., and **G. Webb**. Poster Presentation. A survey of microbial contamination on restaurant nonfood-contact surfaces. SC Upstate Research Symposium, Spartanburg, SC, April 2016. (Award for best student poster in natural sciences category)
21. Martini, B.*, Orr, C. *, and **G. Webb**. Oral presentation. App1 affects the susceptibility of *Cryptococcus neoformans* to antifungal drugs. SC Upstate Research Symposium, Spartanburg, SC, April 2015.
22. Martini, B. *, Orr, C. *, and **G. Webb**. Poster. Examining the relationship between the *Cryptococcus neoformans* virulence factor antiphagocytic protein 1 and antifungal drugs. American Society of Microbiology, SC Branch meeting, Greenville, SC, April 2015. (2nd place undergraduate poster award)
23. Orr, C. * and **G. Webb**. Oral presentation. The effect of antifungal drugs on Antiphagocytic protein 1, App1, a virulence factor of *Cryptococcus neoformans*. SC Upstate Research Symposium, Spartanburg, SC, April 2014.

Grants:

1. **Webb, G.** Student research assistantship. Determining the effect of grocery procurement on microbial contamination of ground beef? \$1500. (Funded; March 2024)
2. **Webb, G.** Teaching and Productive Scholarship (TAPS) Grant. USC Upstate. SC American Society for Microbiology meeting. \$736 (Funded, April 2024)
3. **Webb, G.** Teaching and Productive Scholarship (TAPS) Grant. USC Upstate. SC Identifying the predictors of pediatric vaccine uptake. \$1035 (Funded, April 2024)

4. **Webb, G.** Culture, Race, Ethnicity, and Gender (CREG) grant. USC Upstate. Giving everyone a shot: Reaching minority populations with vaccine information. \$3000. (Funded, May-November 2022)
5. **Webb, G.** Research Initiative for Summer Engagement (RISE) Grant, USC Upstate. Examining the relationship between the COVID-19 pandemic and vaccine acceptance. \$6000. (Funded, May-August 2022)
6. **Webb, G.** Teaching and Productive Scholarship (TAPS) Grant. USC Upstate. Effects of COVID 19 on blood culture contamination. \$550 (Funded, March 2022)
7. **Webb, G.** American College Health Association Campus COVID-19 Vaccine Initiative Grant (CDC), Spring 2022. \$3000 (Funded, January-May 2022)
8. Phan, C.*, Mercado, B.*, Travis, J., & **G. Webb.** Magellan Fellow Award, University of South Carolina Office of Undergraduate Research. Examining the intricate relationship between the COVID-19 pandemic and vaccination acceptance. \$5900. (Funded Jan.-Aug. 2022).
9. **Webb, G.** Magellan Mentors Award, USC Upstate. Examining the intricate relationship between the COVID-19 pandemic and vaccination acceptance. \$3000. (Funded Jan.-Aug. 2022).
10. **Webb, G.** American College Health Association Campus COVID-19 Vaccine Initiative Grant. \$3000 (Funded, August-December 2021)
11. **Webb, G.** ERUpT faculty member. SC INBRE, National Institute of General Medical Sciences of the NIH. (P20GM103499-20)
12. **Webb, G.** Teaching and Productive Scholarship (TAPS) Grant. USC Upstate. Environmental effects on *Cryptococcus neoformans*. \$1500 (Funded, June 2021)
13. **Webb, G.** Teaching and Productive Scholarship (TAPS) Grant. USC Upstate. Undergraduate microbiology education. \$90 (Funded, June 2020)
14. **Webb, G.** Mini Grant, USC Upstate. "Identifying the determinants of COVID-19 preventative behaviors". \$500 (Funded, September 2020-December 2020).
15. **Webb, G.** Teaching and Productive Scholarship (TAPS) Grant. USC Upstate. Identifying the predictors of COVID-19 preventative behaviors. \$250 (Funded, April 2021-June 2021).
16. **Webb, G.** Teaching and Productive Scholarship (TAPS) Grant. USC Upstate. Antiphagocytic protein 1 and *Cryptococcus neoformans*. \$1595 (Funded, Nov. 2019-Jan. 2020).
17. **Webb, G.** Teaching and Productive Scholarship (TAPS) Grant. USC Upstate. The relationship between antifungal drugs and Antiphagocytic protein 1. \$900 (Funded, Nov. 2017-May 2018).
18. Kenekham, K.* and **G. Webb.** Magellan Fellow Award, University of South Carolina Office of Undergraduate Research. The Effect of Flucytosine and Amphotericin B Treatment on

Antiphagocytic Protein 1, a virulence factor of *Cryptococcus neoformans*. \$3000 (Funded Aug.-Dec. 2017)

19. Kenekham, K.* and **G. Webb**. Research assistantship. USC Upstate Office of Sponsored Awards. Examining the relationship between App1 and flucytosine. \$1260 (Funded, Aug.-Dec. 2017).
20. Davis, A.*, Baumgarner, B., and **G. Webb**. Magellan Fellow Award. University of South Carolina Office of Undergraduate Research. Can the endocrine disrupting chemical tolylfluanid negatively impact insulin-dependent protein synthesis in mammalian skeletal muscle cells? \$3000. (Funded, Aug. 2017-May 2018)
21. Ghaffar, M.* and **G. Webb**. Magellan Fellow Award, University of South Carolina Office of Undergraduate Research. \$3000 (Funded Aug.-Dec. 2016)
22. Ghaffar, M.* and **G. Webb**. Research assistantship, USC Upstate Office of Sponsored Awards. Does Antiphagocytic protein 1 play a role in biofilm formation of *Cryptococcus neoformans*? \$1260 (Funded, Aug.-Dec. 2016).
23. **Webb, G.** Teaching and Productive Scholarship (TAPS) Grant. USC Upstate. Microbiology research and course design. \$1750 (Funded, May 2015).
24. Hughes, M.*, Baumgarner, B., and **G. Webb**. Magellan Fellow Award, University of South Carolina Office of Undergraduate Research. Does Caffeine Promote a CREB-dependent Increase in Myostatin Expression in Skeletal Muscle Cells? \$3000 (Funded, Jan.-Aug. 2015).
25. **Webb, G.** Advanced Support Programs for Innovative Research Excellence (ASPIRE) Grant, USC Office of Research. Characterizing the effect Antiphagocytic protein 1 has on *Cryptococcus neoformans* infection. \$15,000. (Funded, June 2014-Sept. 2016).
26. **Webb, G.** Faculty Startup Package, USC Upstate Office of Sponsored Awards. Fungal Infectious Disease. \$5000. (Funded, Aug. 2013-May 2014).
27. **Webb, G.** Teaching and Productive Scholarship (TAPS) Grant, USC Upstate Committee for Faculty Excellence. Studying the molecular mechanisms of *Cryptococcus neoformans*. \$2000. (Funded, March 2013-Sept. 2014).
28. Orr, C.* and **G. Webb**. Research assistantship, USC Upstate Office of Sponsored Awards. Does Antiphagocytic protein 1 play a role in biofilm formation of *Cryptococcus neoformans*? \$1260. (Funded, Jan.-May 2013).
29. Martini, B.* and **G. Webb**. Mini Grant, USC Upstate Office of Sponsored Awards. Does the *Cryptococcus neoformans* virulence factor Antiphagocytic protein 1 have an effect on macrophage activation? \$300. (Funded, Jan.-May 2013).
30. Martini, B.* and **G. Webb**. Magellan Fellow Award, University of South Carolina Office of Undergraduate Research. Does the *Cryptococcus neoformans* virulence factor Antiphagocytic protein 1 have an effect on macrophage activation? \$2400. (Funded, Jan. 2013-Oct. 2014).

Honors and Awards:

2024	Excellence in Teaching and Advising Award, USC Upstate College of Science and Technology
2023	Nominated for the Excellence in Teaching and Advising Award, USC Upstate
2022	Nominated for the Excellence in Teaching and Advising Award, USC Upstate
2022	“COVID heroes” award, USC Upstate
2021	“Most android in-air-flip for service-learning during COVID-19, USC Upstate
2020	Nominated and Finalist for the Excellence in Teaching and Advising Award, USC Upstate
2020	Nominated for the Scholarly and Creative Pursuits Award
2018	Teachers’ Excellence in Service-Learning Research, USC Upstate
2017	Nominated for the Excellence in Teaching and Advising Award, USC Upstate
2015	Nominated for Distinguished Undergraduate Research Mentor Award, USC
2014	Nominated for the Excellence in Teaching and Advising Award, USC Upstate
2013	Professor of the Month for Campus Crusade for Christ (CRU) and Faculty Commons, USC Upstate
2013-present	Honored as favorite faculty member by USC Upstate student-athletes: 2013-Softball athletic event 2014-Volleyball athletic event 2016-Track athletic event

Student Organization Advising:

2020-Present	American Society of Microbiology, Upstate student chapter (Founding advisor)
2014-2015	Microbiology Interest Group
2012-Present	Health Professionals Club

Professional Memberships and Honor Societies:

2008-Present	American Society of Microbiology <ul style="list-style-type: none">• 2023-2025 President for SC Branch• 2021-2023 President-elect for SC Branch• 2021-2023 Newsletter editor• 2021-2023 Chair of Membership Committee• 2018-present member of Planning Committee• 2015-2017 Councilor position on board for SC Branch
2003-present	Phi Kappa Phi National Honor Society
2003-2006	Beta Beta Beta National Biology Honor Society

Service Activities

University service:

1. Peer Teaching fellow, 2024-present
2. Chair, Senior Seminar Revision Committee, 2023-24
3. Co-Director, Biomedical seminar series in conjunction with USC SOMG 2021-2022
4. Member, USC Upstate COVID-19 response team
5. Co-Director, USC Upstate VaxUP vaccine initiative team 2021
6. Co-Organizer, Spartan Science Spectacular student engagement grant and event, 2021-2023
7. Member, NSE Peer Review Committee, 2021-2022

8. Quality Enhancement Plan Career Readiness fellow, 2021-2022
9. Director, COVID-19 seminar series, 2020-2021
10. Chair, NSE Peer Review Committee, 2020-2021
11. Member, COVID-19 Faculty Response Team, 2020-21
12. Member, Director of Interdisciplinary Studies Search Committee, 2020
13. Director, Biology Seminar Series, 2018-2020
14. Member, Dean for the College of Science and Technology Search Committee, 2019
15. Chair, Search Committee for Instructor of Biology, 2019
16. Member, Service Learning Director Search Committee, 2018
17. Member, Honor Council, 2016-2022
18. Member, Title IX hearing board, 2021-2022
19. Member, Intercollegiate Athletics Committee, 2015-2024
20. Chair, Search Committee for Assistant Professor of Biology, 2015
21. Member, Natural Sciences and Engineering Scholarship Committee, 2015
22. Member, Student Affairs Committee, 2013-2020
23. Member, Search Committee for Assistant Professor of Biology, 2013

Professional Service

1. Presenter, Lifelong Learners, "Microbiology crash course", 2024
2. Presenter, Rudolph Gordon School Career Lunch and Learn, 2023
3. Reviewer, *FEMS Microbiology Letters*, 2023
4. Member, ASM Distinguished Lecturers selection committee, 2024-present
5. Judge, SC Upstate Research Symposium, 2023
6. Presenter, Service learning showcase, 2022
7. Presenter, Service learning roundtable panel discussion, 2022
8. Presenter, Greenville County Schools Career Day, 2022
9. Reviewer, ASM Ambassador applications 2021
10. Reviewer, Service learning reallocations reviewer
11. Member, Greenville County Schools COVID advising group
12. Judge, American Society of Microbiology National Annual Meeting, 2021
13. Reviewer, External review for Promotion and Tenure File, Furman University, 2021
14. Reviewer, Healthcare, 2021
15. Member, Advent UMC COVID regathering team, 2020-2021
16. Consultant, Crabtree UMC, COVID-19 consulting, 2020
17. Judge, SC Upstate Research Symposium, 2021
18. Reviewer *FEMS Microbiology Letters*, 2021(2)
19. Judge and moderator, SC Upstate Research Symposium, 2020
20. Reviewer, *IJERPH*, 2020 (2)
21. Advisor for COVID response, Advent UMC, Crabtree UMC, 2020-2021
22. Director, "Lab Rats" Science Club, Rudolph Gordon School, 2020
23. Reviewer, *Journal of Fungi*, 2020
24. Reviewer, *FEMS*, 2020
25. Reviewer, *PLoS One*, 2020
26. Reviewer, Magellan Fellow Student Grant, Fall 2019
27. Presenter, STEM night at Beech Springs Intermediate School, 2019
28. Reviewer, *Environmental Monitoring and Assessment*, 2019
29. Reviewer, Magellan Fellow Student Grant, Fall 2018
30. Presenter, Public Service Scholarship Workshop, service learning presenter, 2018
31. Presenter, Summer Camp at Beech Springs Intermediate School, 2018
32. Presenter, STEM night at Beech Springs Intermediate School, 2018
33. Reviewer, *Environmental Monitoring and Assessment*, 2018

34. Reviewer, *American Biology Teacher*, 2017
35. Reviewer, *Journal of Microbiology and Antimicrobials*, 2016
36. Book Reviewer, *Microbiology* by Tortora, 2016
37. Presenter, Service-learning presentation at the CETL's gearing-up workshop, 2016
38. Reviewer, Reviewed abstracts for the Annual Biomedical Research Conference for Minority Students, 2016
39. Hosted Microbiology Seminar at USC Upstate, 2016
40. Hosted and organized American Society of Microbiology SC Branch meeting at USC Upstate, 2016
41. Judge, Undergraduate oral presentations at the SC Upstate Research Symposium, 2016
42. Faculty mentor to new Biology faculty member, 2015
43. Reviewer, Advanced Support Programs for Innovative Research Excellence (ASPIRE I) Grant, 2015
44. Reviewer, Magellan Fellow Student Grant, Fall 2015
45. Reviewer, Magellan Fellow Student Grant, Spring 2015
46. Editorial board reviewer, *Fine Focus Journal*, 2015
47. Session Chair, SC Upstate Research Symposium, 2015
48. Judge, Student Poster session at the American Society for Microbiology SC branch meeting, 2015
49. Session Chair, SC Upstate Research Symposium, 2014
50. Session Chair, SC Upstate Research Symposium, 2013
51. Reviewer, Magellan Fellow Student Grant, Fall 2013
52. Judge, Piedmont Science Fair, 2013
53. Judge, Fairforest Middle School Science Fair 2013
54. Judge, Undergraduate oral presentations at the American Society for Microbiology SC branch meeting, 2012

Consulting Service:

1. Microbiologist and research interview, 2021, Interviewed by PsyPost for article about COVID-19 research
2. Microbiologist interview for media, 2021, Interviewed by WSPA News 7 about the COVID vaccine, aired in Spartanburg, Greenville, and Charleston in the 5pm, 6pm, and 11pm news
3. Microbiologist interview for media, 2020, Interviewed by FOX Carolina 21 about the Coronavirus pandemic
4. Microbiologist interview for media, 2015 Interviewed by FOX Carolina 21 about a case of *E. coli* poisoning and death of a local child