

Curriculum Vitae

Stephanie Wallace, Ph.D.

Contact Information

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Education

Ph.D., Science Education, Texas Christian University, Fort Worth, TX (2025)
Dissertation: "The Role of Gestures in an Anatomy and Physiology Course"
M.S., Biology, Texas Christian University, Fort Worth, Texas (2009)
B.S., Biology, University of Texas at Arlington, Arlington, Texas (2006)

Professional Positions

Texas Christian University, Fort Worth, Texas
Senior Instructor (2025-current)
Instructor II (2019-2025)
Instructor I (2013-2019)

Tarrant County College Trinity River Campus, Fort Worth, Texas
Instructor, 2010-2013

Honors and Awards

First Place, 3 Minute Thesis Competition, Texas Christian University, 2025
People's Choice Award, 3 Minute Thesis Competition, International Consortium for Research in Science and Mathematics Education International Consultation 2025
First Runner Up, 3 Minute Thesis Competition, International Consortium for Research in Science and Mathematics Education International Consultation 2025
First Runner Up, 3 Minute Thesis Competition, School Science and Mathematics Association National Conference 2025
Nomination for Clark Society Endowed Faculty 2026-2027
Nomination for Clark Society Endowed Faculty 2022- 2023
Nomination for Clark Society Endowed Faculty 2021-2022
Nomination for Wassenich Award for Mentoring in the TCU Community 2014

Courses Taught

Biology 20204, Human Anatomy and Physiology I
Biology 20214, Human Anatomy and Physiology II
Biology 30414, Human Anatomy
Biology 40330, Teaching of Advanced Biology

Publications

- **Wallace, S.**, Hunt, J., Fitzgerald-Matheney, A., Hokayem, H. (2025). Long-term retention of anatomy and physiology content knowledge. In K. Anderson-Pence & A. Ray, (Eds.). *Proceedings of the 124th annual convention of the School Science and Mathematics Association* (Vol. 12). Fort Worth, TX: SSMA.
- **Wallace, S.** (2025). *The role of gestures in an anatomy and physiology course*. Texas Christian University. <https://repository.tcu.edu/handle/116099117/67028>
- Anatomy & Physiology Lab Manual for Biology 20214, Wallace/Crenshaw, ISBN #: 1259-876969 (McGraw-Hill Publishing)
- Anatomy & Physiology Lab Manual for Biology 20204, Wallace/Crenshaw, ISBN #: 1259-988376(McGraw-Hill Publishing)
- Wallace, S. and Crenshaw, M., 2014 Anatomy and Physiology Lab Manual (TCU Biology 20204) Pearson, ISBN: 9781269761369
- Crenshaw, M. and Wallace, S., 2014, Biology 20214 Lab Manual, Pearson (TCU Biology 20214), Pearson ISBN: 9781269801072

Other Publications

- Weinburgh, M. H., Alanis, N., Clawson, M., Titus, A., & **Wallace, S. A.** (2022). *Chemistry Boot Camp Evaluation Report Report #05252022*.
- Authored a series of laboratory activities and instructor guides to accompany the software program Visible Body, Argosy Publishing
 - The Axial Skeleton: A skeletal system exercise using Visible Body's Human Anatomy & Physiology app (2018)
 - The Axial Skeleton A skeletal system exercise using Visible Body's Atlas app (2018)
 - The Appendicular Skeleton A skeletal system exercise using Visible Body's Human Anatomy & Physiology app (2018)
 - The Appendicular Skeleton A skeletal system exercise using Visible Body's Atlas app (2018)
 - The Muscular System: Head and Neck A muscular system exercise using Visible Body's Anatomy & Physiology app (2017)
 - The Muscular System: Head and Neck A muscular system exercise using Visible Body's Atlas app (2017)
 - The Muscular System: Shoulder and Arm A muscular system exercise using Visible Body's Human Anatomy & Physiology app (2017)
 - The Muscular System: Shoulder and Arm A muscular system exercise using Visible Body's Human Atlas app (2017)
 - The Muscular System: Torso and Abdomen A muscular system exercise using Visible Body's Human Anatomy & Physiology app (2017)
 - The Muscular System: Torso and Abdomen A muscular system exercise using Visible Body's Human Atlas app (2017)
 - The Muscular System: Pelvis and Lower Limb A muscular system exercise using Visible Body's Human Anatomy & Physiology app (2017)

- The Muscular System: Pelvis and Lower Limb A muscular system exercise using Visible Body's Human Atlas app (2017)

Presentations

- **Wallace, S.A.**, Hunt, J., Fitzgerald-Matheney, A., Hokayem, H., November 2025 Paper Presentation: Long-term retention of anatomy and physiology content knowledge. School Science Mathematics Association National Conference. Fort Worth, TX.
- **Wallace, S. A.**, March 2025 Paper Presentation: The Role of Gestures in an Anatomy and Physiology Course. International Consortium for Research in Science and Mathematics Education International Consultation. Valladolid, Mexico.
- Brown, K., **Wallace, S. A.**, March 2025 Paper Presentation: Teacher-Centered Science Education: Intentional Support of Teachers' Professional Learning Needs in Anatomy and Physiology. International Consortium for Research in Science and Mathematics Education International Consultation. Valladolid, Mexico.
- **Wallace, S. A.**, April 2023 Poster. The Effect of Gestures in Teaching and Learning Anatomy and Physiology. National Association for Research in Science Teaching International Conference. Chicago, IL.
- **Wallace, S. A.**, May 2022 Workshop: Actions Speak Louder Than Words: Using Gestures to Teach Cranial Nerves. Human Anatomy and Physiology Society National Conference. Fort Lauderdale, FL.
- **Wallace, S. A.**, October 2022 Presentation: Impact of a Summer Chemistry Boot Camp. Southwest Association for Science Teacher Education Regional Conference. San Marcos, TX.
- **Wallace, S. A.**, April 2022 Poster: The Effect of Gestures on Teaching and Learning Anatomy and Physiology.
- Alanis, N., **Wallace, S. A.**, Titus, A., Clawson, M., & Weinburgh, M. H. (2022, March). Underrepresented Minorities and First-Generation First-Year Students Taking a Summer Chemistry Bootcamp Course In *American Association of Colleges for Teacher Education (Holmes Scholar Preconference)*.
- **Wallace, S. A.**, October 2021 Poster: Teacher Gesture Frequency During Questioning: Comparing the United States and Czech Republic. Southwest Association for Science Teaching. The Woodlands, TX.
- **Wallace, S. A.**, April 2021 Poster: Teacher Gesture Frequency During Questioning: Comparing the United States and Czech Republic. Texas Christian University Research and Pedagogy Festival. Fort Worth, TX.
- **Wallace, S. A.**, Garcia, S., & Countryman, May 2019 Workshop: An Open Lab Model for Improving Student Grades and Confidence. Human Anatomy and Physiology Society National Conference. Portland, OR.
- **Wallace, S.A.**, May 2018 Workshop: Flipping a large lecture class, Human Anatomy and Physiology Society National Conference, Columbus, OH.
- Crenshaw, M., **Wallace, S.A.**, May 2017 Workshop: Dissection of Fetal Pig Muscles, Human Anatomy and Physiology Society National Conference, Salt Lake City, UT.
- Crenshaw, M., **Wallace, S.A.**, May 2016 Workshop: Efficacy of Various Laboratory Assessments, Human Anatomy and Physiology Society National Conference, Atlanta, GA

Reviewing

- Reviewer for the *Electronic Journal of Research in Science and Mathematics Education*, 2024-current
- Review of Saladin, *Anatomy and Physiology: The Unity of Form and Function*, 8e, McGraw-Hill in 2016
- Completed formal review of two chapters of the new Anatomy and Physiology text by Top Hat
- Completed formal class tests of Mc-Graw-Hill Connect
- Completed formal class tests of Wiley Plus

Internal Support for Academic Work

- Travel Grant for attendance at the International Consortium for Research in Science and Mathematics Education, Texas Christian University, awarded \$800 (2025)
- Travel Grant for presentation at Human Anatomy and Physiology Society National Conference, HAPS, awarded \$1000 (2022)
- Travel Grant for attendance at National Association for Research in Science Teaching, Texas Christian University, awarded \$800 (2022)
- Travel Grant for presentation at Southwest Association for Science for Science Teacher Education, Texas Christian University, awarded \$400 (2021)
- Instructional Development Grant for the development of Human Anatomy and Physiology labs, Texas Christian University, awarded \$3600 (2016)

Service

Departmental Service, Texas Christian University

- Search Committee for Instructor position (2025)
- Search Committee for Instructor position (2024)
- Curriculum and Assessment Committee (2022-present)
- Departmental Advisory Committee (2020-2021)
- Search Committee for Instructor position, Anatomy and Physiology (2018)
- Search Committee for temporary Instructor position, Anatomy and Physiology (2017)
- Search Committee for adjunct instructor position, Anatomy and Physiology (2017)
- Search Committee for adjunct instructor position, Anatomy and Physiology (2015)

College of Science and Engineering Service, Texas Christian University

- Pre-Health Advisory Committee (2025-2027)
- Member of the Health Professions Advisory Committee (HPAC) (2015-current)
- Student Research Symposium Judge (2016)

University Service, Texas Christian University

- University Court Committee (2021-2024)
- Silver Frogs Lecture: Common Medical Issues of the Heart and Brain (2016, 2018)
- Frog Camp (2014)

- Beyond Borders Mentor (2013-2014)

Student Mentoring

- Honors Thesis Mentor Emma Nabokov (2026)
- Physician Assistant Club Faculty Mentor (2016-present)
- Honors Thesis Mentor Asher Smith (2024)
- Honors Thesis Mentor Mary Elizabeth Schuppenhauer (2016)
- Attendance at nursing pinning ceremonies each semester

Professional Development

- Conferences Attended
 - School Science and Mathematics Association National Conference, Fort Worth, TX
 - International Consortium for Research in Science and Mathematics Education International Consultation, Valladolid, Mexico.
 - National Association for Research in Science Teaching Annual International Conference, Denver, CO (2024)
 - National Association for Research in Science Teaching Annual International Conference, Chicago, IL (2023)
 - Southwest Association for Science Teaching Regional Conference, San Marcos, TX (2022)
 - Human Anatomy and Physiology Society National Conference, Fort Lauderdale, FL (2022)
 - National Association for Research in Science Teaching Annual International Conference, Vancouver, Canada (2022)
 - International Consortium for Research in Science & Mathematics Education, virtual (2022)
 - Association for Science Teacher Education, attended and presented at Southwest Regional Conference (2021)
 - International Consortium for Research in Science and Mathematics Education, virtual (2021)
 - Experiences of Black STEM in the Ivory: A Call to Disruptive Action, virtual (2020)
 - Remote: The Connected Faculty Summit, virtual (2020)
 - McGraw-Hill Anatomy and Physiology Symposium, invited, San Antonio, TX (2020)
 - Human Anatomy and Physiology Society, attended and presented at National Conference, Portland, OR (2019)
 - Human Anatomy and Physiology Society, attended and presented at National Conference, Columbus, OH (2018)
 - Human Anatomy and Physiology Society, attended and presented at National Conference, Salt Lake City, UT (2017)
 - Human Anatomy and Physiology Society, attended Southern Regional Conference, Tyler, TX (2017)
 - Human Anatomy and Physiology Society, attended and presented at National Conference, Atlanta, GA (2016)
 - Human Anatomy and Physiology Society, attended Southern Regional Conference, Fort Worth, TX (2013)
- Workshops attended
 - Committee Selection Training (2024)

- Open lab for Respondus browser summer, Koehler Center (2018)
- CSE Advising workshop, (2017, 2016)
- Learning Studio workshop (2015)
- Active Learning 101, Koehler center (2015)
- Learning Studio workshop (2015)
- iClicker training (2013)
- Webinars
 - Generative AI 101 for Faculty (2025)
 - Unconscious Bias Training (2020)
 - 2019-2020 CASPA Application & PA Profession Overview for Health Professions Advisors, Spring (2019)
 - Advisor professional development for pre-health (2017)
 - Visible body webinars (2017)
- Memberships
 - Human Anatomy and Physiology Society
 - National Association for Research in Science Teaching
 - American Educational Research Association
 - The Association for Science Teacher Education

Community Service

- Midlothian Band Boosters (2025-current)
- Boy Scouts of America Troop 962 volunteer (2017-2020)
- Volunteer soccer coach, Midlothian Soccer Association (2016-2018)
- Destination Imagination Team Manager, Mt. Peak Elementary School Rising Stars (2017-2018)