

**Curriculum Vitae**  
**Molli Crenshaw, M.S.**

**CONTACT INFORMATION**

TCU Department of Biology  
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**ACADEMIC BACKGROUND**

*Education*

M.S., Biology, Texas Christian University, Fort Worth, Texas (2009)  
B.S., Biomedical Science, Texas A&M University, College Station, Texas (2005)

*TCU Rank*

Senior Instructor  
Promoted 2023

*Previous Teaching Appointments*

Instructor and Lab Coordinator, Tarrant County College (TCC) Northeast Campus, Hurst, Texas:  
2010-2012  
Graduate Teaching Assistant, Texas Christian University, Fort Worth, Texas: 2008-2009  
Full-Time Lab Instructor, Tyler Junior College, Tyler, Texas: 2005-2007

*Honors and Awards*

Nominated by a student for the Clark Society Endowed Faculty Award, 2024  
Nominated by an undergraduate student for the Wassenich Award for Mentoring in the TCU  
Community: 2015, 2016, 2019  
Selected to present as part of the TCU "Last Lecture" Series: 2018  
TCU Honors Laureate Ceremony, presented Honors hood to graduating seniors:  
2017, 2018, 2019  
Honored by students with the Senior Class Legacy: 2014, 2015, 2016, 2018, 2019  
Voted by TCU Biology Faculty as Graduate Teaching Assistant of the Year: 2009, 2010  
Awarded TCU Barnett Scholarship as a teaching assistant perceived to be a model student,  
researcher, and instructor: 2009

**TEACHING EXPERIENCE**

*Courses Taught at TCU*

Biology 30414, Human Anatomy (TCU: 2022-Present)

Biology 20204, Human Anatomy and Physiology I (TCU: 2012-Present, TCC: 2009-2012)  
Biology 20214, Human Anatomy and Physiology II (TCU: 2012-Present, TCC 2010-2012)  
Biology 40332, 40330, Teaching of Advanced Biology for coordination of undergraduate teaching assistants (TCU: 2013-Present)  
DANC 20303, Functional Anatomy of Dance, Lab Instructor (TCU: Spring Semesters 2018-Present)  
UNLF 10211, Introduction to University Life (TCU: Spring 2017, Fall 2017, Fall 2022)

### ***Courses Taught outside of TCU***

Anatomy and Physiology I and II (TCC: 2009-2011)  
Majors Biology Labs as a graduate student (TCU: 2008-2009)  
Non-Majors Biology Labs (TJC: 2006-2008, TCC: 2010)  
Zoology Labs (TJC: 2006-2008)  
Anatomy and Physiology Labs (TJC 2006-2008)

## **RESEARCH AND CREATIVE ACTIVITIES**

### ***Creative Activities Associated with Anatomy and Physiology***

Designed and hosted an online summer A&P Boot Camp for incoming Anatomy and Physiology students (2021, 2022, 2023)

Co-Author of Human Anatomy and Physiology Society handbook for accommodations in anatomy and physiology laboratories; author of sections titled “ADA Guidelines”, “Medical Devices”, “Medications” (2023)

Established and maintain Human Skeletal System Reserves collection through TCU Mary Burnett Coutts Library (2019)

Author laboratory activities and instructor guides to accompany the software program “Visible Body”, Argosy Publishing: The nervous system for the Visible Body A&P App (2016), The nervous system for the Visible Body Atlas App (2016), The cranial nerves for the Visible body A&P App (2017), The cranial Nerves for the Visible Body Atlas App (2017)

Developed video tutorials for the software program “Visible Body”, Argos Publishing (2014)

Completed formal review of the software program “Visible Body”, Argosy Publishing (2013)

Completed formal review of “Exploring Anatomy and Physiology in the Laboratory”, Erin Amerman, Morton Publishing (2013)

### ***Publications***

Wallace, S. and Crenshaw, M., *2014 Anatomy and Physiology Lab Manual (TCU Biology 20204)*, Pearson, ISBN: 9781269761369

Wallace, S. and Crenshaw, M., *Biology 20214 Lab Manual, Pearson (TCU Biology 20214)*, Pearson ISBN: 9781269801072

Wallace, S. and Crenshaw, M., *Anatomy & Physiology Lab Manual for Biology 20214*, McGraw-Hill, ISBN #: 1259-876969

Wallace, S. and Crenshaw, M., *Anatomy & Physiology Lab Manual for Biology 20204*, McGraw-Hill, ISBN #: 1259-988376

### ***Internal Support for Academic Work***

Funding for Human Anatomy and Physiology lab equipment, Texas Christian University College of Science and Engineering, \$6,115 (2013)

Instructional Development Grant for the development of Human Anatomy and Physiology labs,

Texas Christian University, \$3,600 (2013)

## PROFESSIONAL DEVELOPMENT

### *Trainings*

TCU Health Professions Advising Training (Spring and Fall, 2025)  
TCU Watermark Early Adopters Training (Fall 2025)  
TCU Stellar Advising Training (2024)  
TCU Faculty Advisor Training (2023)  
TCU Hiring and Selection Committee Training (2023)  
TCU eFaculty 2.0 Training for online instruction through TCU (2023)  
Introduction to University Life, Instructor Training (2021)  
TCU College of Science and Engineering Advising Workshop (2020)  
TCU Unconscious Bias Training (2020)  
TCU Grief Support Training (2019)  
TCU Bystander Intervention Training (2019)  
GradeCam Administrator Pilot Training (2019)

### *Webinars, Courses and Book Discussion Groups*

Carolina Biological Supply Workshop: Online Dissection Protocol (Fall 2025)  
American Physiological Society Workshop: Using Interactive Drawing Tools to Teach Neuroanatomy (Fall 2025)  
McGraw-Hill Workshop: Using Connect to Teach the Nervous System (Fall 2025)  
Fitness in Teaching (Fit) Graduate Course, TCU (Fall 2025)  
McGraw-Hill Workshop: Using Connect to Teach the Muscular System (Fall 2024)  
McGraw-Hill Workshop: Updates to Connect software tools (Fall 2024)  
McGraw-Hill Workshop: Using Connect to build Better Exams (Fall 2024)  
McGraw-Hill Workshop: Using Connect to Teach the Nervous System (Fall 2024)  
American Physiological Society Webinar: *A Transfer of Power: The cell-to-cell exchange of mitochondria in obesity and aging* (Summer 2023)  
American Physiological Society Webinar: *Minding microbial metabolites: The molecular link between gut bacteria and human health* (Summer 2023)  
Cengage Anatomy and Physiology Webinar (Spring 2023)  
American Physiological Society Webinar: *Peripheral and Cerebral Vascular Responses Following High-intensity Interval Exercise* (Spring 2023)  
American Physiological Society Webinar: *Functional Recovery of the Musculoskeletal System Following Injury – leveraging the large Animal Model* (Fall 2022)  
Human Anatomy and Physiology Society online course: Developmental Anatomy, taught by Dr. Mark Nielsen (Fall 2022)  
American Physiological Society Webinar: *Aging and Skeletal Muscle Plasticity* (Fall 2021)  
American Physiological Society Webinar: *Cardiovascular Disease Associated with Sars-CoV-2 and HIV Infections* (Fall 2021)  
American Physiological Society Webinar: *Cardiac Inflammation and Repair Following Myocardial Infarction* (Fall 2021)  
American Physiological Society Webinar: *Engineered T Cells for Cancer* (Spring 2021)  
American Physiological Society Webinar: *Sleep Physiology and Sleep Disorders* (Spring 2021)  
American Physiological Society Webinar: *Malignant Brain Aging: The Formidable Link to Neurodegeneration* (Summer 2021)

Biology Department reading and discussion, *What Inclusive Instructors Do: Principles and Practices for Excellence in College Teaching*, by Addy, Dube, Mitchess, SoRelle (Summer 2021)  
Human Anatomy and Physiology Society Virtual Town Hall: Face-to-Face labs during the COVID-19 Pandemic (Summer 2020)  
Hosted departmental discussions for online/hybrid instruction (Summer 2020)  
Human Anatomy and Physiology Society Book Club: reading and discussion of *Superior, the Return of Race Science*, by Angela Saini (Summer 2020)  
McGraw-Hill Connect Virtual Training: Anatomy and Physiology courses (Spring 2020)  
CASPA Application and PA Profession Overview for Health Professions Advisors webinar; hosted by Pearson (Spring 2019)  
Koehler Center Course Evaluation for Biology 20204 (Fall 2018)

### **Conferences and Presentations**

Human Anatomy and Physiology Society Southern Regional Conference, Lakeland, FL (March 2025); Hosted "Building Your Own A&P Boot Camp" Workshop  
Human Anatomy and Physiology Society Annual Conference, Fort Lauderdale, FL (May 2022); Hosted "Building Human Joints....on a budget!" workshop; Co-Hosted "Accommodations for Student Success in the A&P Lab", Poster presentation during annual Human Anatomy and Physiology Society conference, "Educational Accommodations that Support Student Success"  
Human Anatomy and Physiology Society Annual Conference, virtual (May 2021); hosted academic workshop "Building Human Joints....on a budget!"  
Scheduled to host an academic workshop at the HAPS national conference in Ontario, Canada: May, 2020 – The conference was canceled due to the COVID-19 pandemic  
Human Anatomy and Physiology Society Annual Conference, Salt Lake City, UT (May 2017); Co-hosted workshop "Show Me Your Muscles – A guide to dissection of fetal pig muscles"  
Human Anatomy and Physiology Society Annual Conference, Atlanta, GA (May 2016); Co-hosted workshop "Efficacy of Laboratory Assessments in Anatomy and Physiology"  
Human Anatomy and Physiology Society, Southwest Regional Conference, Fort Worth, TX (October 2013); served on the planning committee  
Human Anatomy and Physiology Society Annual Conference, Las Vegas, NV (May 2013)  
Kids Hope USA Regional Conference, Fort Worth, Texas (May 2012); "The Effects of Chronic Stress on Child Development"  
Human Anatomy and Physiology Society Annual Conference, Austin, TX (May 2006)

### **PERSONAL CONTRIBUTIONS AND SERVICE**

#### ***Departmental Service, Texas Christian University***

Search Committee, Visiting Lecture Position (2024)  
Search Committee, Tenure Track Position (2023-2024)  
Ad-Hoc committee to revise tenure and promotion policies for the Biology Department (2019-2022)  
Departmental Advisory Committee, Biology (2019-2020)  
Adjunct Instructor Coordinator for Biology 20204/20214: (2015-2018, 2020-Present)  
GradeCam Departmental pilot administrator (2019)  
Served on numerous committees and chaired four committees to determine progress toward tenure and promotion in the Biology Department (2018-Present)  
Assisted the Biology Department Curriculum Committee to revise the policy for the use of undergraduate teaching assistants (2015)

Volunteer tour guide for “Mondays at TCU” (2015, 2021)  
Search Committee for Temporary Instructor position, Anatomy and Physiology (2017)  
Search Committee for Adjunct Instructor position, Anatomy and Physiology (2015)  
Search Committee for Adjunct Instructor position, Anatomy and Physiology (2015)  
Search Committee for Instructor position, Anatomy and Physiology (2013)  
Departmental committee to define instructor merit pay criteria (2013)  
Committee to determine Departmental Policy for Instructor Promotion (2012)

#### ***College of Science and Engineering Service, Texas Christian University***

TCU Health Professions Advisory Committee, Advisor (2016-Present)  
College of Science and Engineering (CSE) Honors Research Forum Judge (2023, 2024, 2025)  
College of Science and Engineering Student Research Symposium Volunteer; poster judging (2019, 2023), poster visitor (2018, 2022, 2023, 2025), virtual symposium host/moderator (2021)  
Pre-health Advisory Committee (2019-2020, 2025-Present), Chair (2020)  
Pre-Health Professions EPIC (External Projects to Impact the Community) Grant Committee member (2018-Present)  
Search Committee member, Instructor of Physics and Astronomy (2018-2019)  
Tenure and Promotion Committee, Physics/Astronomy Department (2018)  
CSE Ad-hoc committee for Women in the Sciences (2012)

#### ***University Service, Texas Christian University***

TCU Evaluations Committee (2025-Present)  
Faculty Advisor, Actively Moving Forward (2023-2024)  
Faculty Senate, Academic Excellence Subcommittee (2022-2025)  
Frog’s First dinner host (2017, 2025)  
University Academic Appeals Committee (2020-2023)  
Common Reading Discussion Group facilitator, *The Other Wes Moore*, by Wes Moore (2015); *Laughing Without an Accent, Adventures of a Global Citizen*, by Firoozeh Dumas (2017); *March*, by John Lewis, Andrew Aydin and Nate Powell (2021); *The Marrow Thieves*, by Cherie Dimaline (2022)  
Harris College Accreditation Review, review panel member (2020)  
University Student Disability Services Committee to guide and inform future model for Disability services at TCU (2019)  
Faculty Advisor, Encounter (2015-2016)

#### ***Academic Advising and Mock Interviews***

2018-2019: 94 advising appointments, 6 mock interviews for professional programs  
2019-2020: 72 advising appointments, 5 mock interviews for professional programs  
2020-2021: 94 advising appointments, 7 mock interviews for professional programs  
2021-2022: 99 advising appointments; 6 mock interviews for professional programs  
2022-2023: 73 advising appointments, 7 mock interviews for professional programs  
2024-2025: 85 advising appointments, 8 mock interviews for professional programs  
2025-2026: 112 advising appointments, 3 mock interviews for professional programs

#### ***Service as Committee Member on Undergraduate Honors Theses Committees***

1. Connelly Weeks, Nutritional Sciences (2015)
2. Carly Bengel, Nutritional Sciences (2015)

3. Mary-Catherine Stockman, Nutritional Sciences (2016)
4. Shannon Breeland, Nutritional Sciences (2016)
5. Sarah Wisniewski, Kinesiology (2016)
6. Eliesa Iglar, Kinesiology (2016)
7. Nicki Feltz, Nursing (2019)
8. Rebecca Ryan, Nursing (2019)
9. Kayla Pair, Nursing (2019)
10. Madison Frieler, Biology (2020)
11. Margaret Koopman, Kinesiology (2020)
12. Erin Koyamatsu, Nursing (2021)
13. Lisette Trevino, Speech-Language Pathology (2022)
14. Claire Miller, Nursing (2022)
15. Diego Rivera, Kinesiology (2023)
16. Miranda Jelinek, Biology (Spring 2023)
17. Maddie Maestas, Nursing (2024)
18. Erin Nuelle, Nursing (2025)

### ***Student Mentoring***

- Mentor (2012 –2015, 2022)
- Mentor, College 101 (2020)
- Mentor, TCU Beyond Boundaries (2012-2013)

### ***Memberships and Professional Service***

- HAPS Teaching and Learning Committee: Accommodations subcommittee (2021-Present)
- Member, The Human Anatomy and Physiology Society (2006-Present)
- TCU “Last Lecture” series Presentation “Matters of the Heart: How the Events of a Lifetime Influence Cardiovascular Health and Development”, Fort Worth, TX (2018)
- McGraw-Hill Advisory Board to develop Concept Overview Topics in Anatomy and Physiology (2017-2018)

### ***Community Activities***

- Leader, Girl Scout Troop 04861 (2024-present)
- Member, Dallas Chapter of the HOPE Mommies grief support network (2016-Present):
  - Facilitate packaging and delivery of HOPE boxes to the labor and delivery unit of John Peter Smith Hospital, Fort Worth, Texas; Host quarterly dinners for local families of infant loss and miscarriage
- “Ask the Expert” volunteer to provide virtual gross anatomy dissections for neighborhood students during the COVID-10 pandemic (April 2020)
- Gifted/Talented Advisory Council for Aledo ISD (2020-2022)
- Student Health Advisory Council for Aledo ISD (2019-2021)
- Kids Hope USA Mentor to an elementary school student (2012 – 2014)