

CURRICULUM VITAE

Jason Adams
Teaching Professor
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Brigham Young University
Department of Cell Biology and Physiology

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Blue text indicates work performed at or during time at BYU.

Education:

Brigham Young University
Provo, UT
August 2008 – December 2012
Physiology and Developmental Biology
Doctorate of Philosophy (PhD) – December 14, 2012

Boise State University
Boise, ID
January 2005 – December 2008
Biology
Master of Science (MS) – December 19, 2008

Palmer College of Chiropractic
Davenport, IA
November 1999 – February 2003
Chiropractic
Doctorate of Chiropractic (DC) – February 28, 2003

Brigham Young University
Provo, UT
August 1993 - August 1999
Pre-Physical Therapy
Bachelor of Science (BS) – August 12, 1999

Employment and Positions Held:

Teaching Professor
Full-time faculty member
Brigham Young University Department of Cell Biology and Physiology
Provo, UT
September 2025 - present

MCAT Prep Course Instructor
Brigham Young University Continuing Education
Provo, UT
January 2024 – present

Associate Teaching Professor
Full-time faculty member
Brigham Young University Department of Cell Biology and Physiology
Provo, UT
September 2019 - 2025

Associate Professor of Physical Therapy
Full-time tenured faculty member
Briar Cliff University Department of Physical Therapy
Sioux City, IA
June 2017 – August 2019

Assistant Professor of Physical Therapy
Full-time tenure-track faculty member
Briar Cliff University Department of Physical Therapy
Sioux City, IA
June 2015 – 2017

Consultant
Briar Cliff University Department of Physical Therapy
Sioux City, IA
June 2014 – May 2015

Assistant Professor of Biology
Full-time tenure-track faculty member
Briar Cliff University Biology Department
Sioux City, IA
August 2012 – May 2015

Online Instructor
Brigham Young University–Idaho Biology Department
Rexburg, ID
September 2010 – July 2012

Teaching Assistant
Brigham Young University Physiology and Developmental Biology Department
Provo, UT
August 2009 – April 2012

Teaching Assistant
Boise State University Biology Department
Boise, ID
January 2005 – April 2008

Physiology Instructor
Wellspring School for Healing Arts
Boise, ID
May 2008 – July 2008

Adjunct Faculty
Treasure Valley Community College Biology Department
Ontario, OR
January 2005 – April 2005

Chiropractor
Adams Family Chiropractic
Nampa, ID
May 2003 – January 2008

Teaching Assistant
Palmer College of Chiropractic
Davenport, IA
November 2000 – November 2002

Peer Reviewed Publications:

Prince R, Monsen JR, Webber Z, Olsen AL, Nelson T, Reeves CJ, **Adams JS**
(corresponding author). Staying Hydrated – A Comparative Analysis of Humectants in
Human Cadaveric Tissue. Accepted for publication in HAPS Educator, 2025.

My contribution: As lead investigator of this research group, I was part of the design of the project,
oversaw the management of experiments, statistical analyses and interpretation of results, and contributed
to the writing of this manuscript. I was a coauthor along with six undergraduate students.

Hardy MJ, Reeck JC, Fang M, **Adams JS**, Oxford JT. Coll1a1a Expression Is Required
for Zebrafish Development. Journal of Developmental Biology, 2020, 8(3), 16.

My contribution: As a member of this research group, I was part of the design of the project, participated in
a number of experiments, statistical analyses and interpretation of results, and contributed to the writing of
this manuscript. I was a coauthor along with three graduate students and the principle investigator, Oxford
JT. The current journal impact factor is 2.2 and this article has been cited three times.

<https://pubmed.ncbi.nlm.nih.gov/32872105/>

Adams JS (corresponding author), Nelson HM, Strong S, Wisco JJ, Klappa SG.
Mentors' Experience in Teaching Basic Science Concepts in the Community Outreach

Program, Anatomy Academy: A Phenomenological Study. HAPS Educator, Journal of the Human Anatomy and Physiology Society, 2020 Aug; 24 (2): 27-35.

My contribution: As lead investigator of this research group, I assisted in the design of the project, conducted the study, participated in the interpretation of results, and was the senior author in writing this manuscript. Coauthors are fellow faculty. The current journal impact factor is 0.196 and this article has been cited three times.

https://cdn.ymaws.com/www.hapsweb.org/resource/resmgr/educator_archive/HAPS-Journal-SUMMER_2020.pdf

Voelkel JE, Harvey JA, **Adams JS**, Lassiter RN, Stark MR. FGF and Notch signaling in sensory neuron formation: A multifactorial approach to understanding signaling pathway hierarchy. Mechanisms of Development, 2014.

My contribution: As a participant of this research group, I performed experiments, participated in the collecting of data, and assisted in the revisions of this manuscript.

Adams JS, Sudweeks SN, Stark MR. Pax3 isoforms in sensory neurogenesis: Expression and function in the ophthalmic trigeminal placode. Developmental Dynamics, 2014 Oct; 243(10): 1249-61.

My contribution: As of member of this research group, I assisted in the design of the project, conducted the experiments, analyzed the data and contributed in interpreting the results, and was the main author in writing the manuscript.

Macdonald DW, Squires RS, Avery SA, **Adams J**, Baker M, Cunningham CR, Heimann NB, Kooyman DL, Seegmiller RE. Structural variation in articular cartilage matrix are associated with early-onset osteoarthritis in the spondyloepiphyseal dysplasia congenital (Sedc) mouse. Int. J. Mol. Sci., 2013, 14 (8): 16515-16531.

My contribution: As a participant of this research group, I performed experiments, participated in the interpretation of results, and assisted in the revisions of this manuscript.

Lassiter RN, Ball MK, **Adams JS**, Wright BT, Stark MR. Sensory neuron differentiation is regulated by notch signaling in the trigeminal placode. Developmental Biology, 2010 Aug. 15;344(2):836-48.

My contribution: As a participant of this research group, I performed experiments, collected data, and assisted in the revisions of this manuscript.

Fang M, **Adams JS**, McMahan BL, Brown RJ, Oxford JT. The expression patterns of minor fibrillar collagens during development in zebrafish. Gene Expression Patterns, 2010 Oct-Dec; 10(7-8):315-22.

My contribution: As a participant of this research group, I performed experiments, collected data, participated in the interpretation of results, and assisted in the revisions of this manuscript.

Published Abstracts of Peer Reviewed Presentations:

Adams JS and Stark MR. Pax3 splice form expression and isoform function in the trigeminal placode, Society for Developmental Biology, 71st Annual Meeting, 2012; Montreal, Canada.

Adams JS and Stark MR. Pax3 splice form expression and isoform function in the trigeminal placode, Society for Neuroscience, 2010; San Diego, CA.

Lassiter, R, Ball M, Adams J, Wright B, and Stark MR. Sensory neuron differentiation is regulated by notch signaling in the trigeminal placode, Society for Developmental Biology, 69th Annual Meeting, 2010; Albuquerque, NM.

Adams JS, McMahan BL, Mercer L, Brown RJ, and Oxford JT. Collagen type XI in zebrafish axial skeletal development, American Society for Matrix Biology Biennial Meeting, 2008; San Diego, CA.

Peer Reviewed Scientific and Professional Presentations:

BYU students are highlighted by * (undergraduate) and # (graduate).

Anderson E*, Leonard Z*, Adams J. Rehydration of Cadaveric Tissue: A Comparative Analysis. BYU Library and College of Life Sciences Poster Competition, March 2025; Provo, UT.

My contribution: As the faculty mentor for this research group, I oversaw the experimentation, data collection and analysis, and the presentation of our results. The first two authors are undergraduate students.

Anderson E*, Leonard Z*, Adams J. Rehydration of Cadaveric Tissue: A Comparative Analysis. Utah Conference on Undergraduate Research (UCUR), February, 2025; Cedar City, UT.

My contribution: As the faculty mentor for this research group, I oversaw the experimentation, data collection and analysis, and the presentation of our results. The first two authors are undergraduate students.

Anderson E*, Leonard Z*, Adams J. Rehydration of Cadaveric Tissue: A Comparative Analysis. BYU Life Sciences College CURA Poster Session Competition, October, 2024; Provo, UT.

My contribution: As the faculty mentor for this research group, I oversaw the experimentation, data collection and analysis, and the presentation of our results. The first two authors are undergraduate students.

Prince R*, Monsen J*, Adams J. Staying hydrated: A Comparative Analysis of Humectants in Human Tissue, Human Anatomy and Physiology Society, 38th Annual Conference, 2024; St. Louis, MO. HAPS Poster Award.

My contribution: As the faculty mentor for this research group, I oversaw the experimentation, data collection and analysis, and the presentation of our results. The two other authors were undergraduate students.

Prince R*, Monsen J*, Adams J. Staying Hydrated: A Comparative Analysis of Humectants in Human Tissue. BYU Library and College of Life Sciences Poster Competition, March 2024; Provo, UT. Third Place in Poster Design.

My contribution: As the faculty mentor for this research group, I oversaw the experimentation, data collection and analysis, and the presentation of our results. The two other authors were undergraduate students.

Prince R*, Monsen J*, Adams J. Staying Hydrated: A Comparative Analysis of Humectants in Human Tissue. Utah Conference on Undergraduate Research (UCUR), Utah Valley University, February 2024; Orem, UT.

My contribution: As the faculty mentor for this research group, I oversaw the experimentation, data collection and analysis, and the presentation of our results. The two other authors were undergraduate students.

Ward Z*, Ballard P#, Adams J, Jensen J. Applications of Constructivist Theory in Medical Education. BYU Life Sciences College CURA Poster Session Competition, October, 2023; Provo, UT.

My contribution: As the faculty mentor for this research group, I assisted with the creation of the materials needed for experimentation, implementation of the experiment, data collection, and the presentation of our results. The first two authors were an undergraduate student and graduate student, respectively. The last author is a BYU faculty.

Monsen J*, Prince R*, Adams J. Staying Hydrated: A Comparative Analysis of Humectants in Human Tissue. Utah Conference on Undergraduate Research (UCUR), University of Utah, February 2023; Salt Lake City, UT.

My contribution: As the faculty mentor for this research group, I oversaw the experimentation, data collection and analysis, and the presentation of our results. The two other authors were undergraduate students.

Monsen J*, Prince R*, Adams J. Staying Hydrated: A Comparative Analysis of Humectants in Human Tissue. BYU Life Sciences College CURA Poster Session Competition, November, 2022; Provo, UT.

My contribution: As the faculty mentor for this research group, I oversaw the experimentation, data collection and analysis, and the presentation of our results. The two other authors were undergraduate students.

Olsen A*, Reeves C*, Prince R*, Adams J. Staying Hydrated: A Comparative Analysis of Humectants in Human Skin. Utah Conference on Undergraduate Research (UCUR), Dixie State University, February, 2022; St. George, UT.

My contribution: As the faculty mentor for this research group, I oversaw the experimentation, data collection and analysis, and the presentation of our results. The three other authors were undergraduate students.

Olsen A*, Reeves C*, Adams J. Staying Hydrated: A Comparative Analysis of Humectants in Human Skin. BYU Life Sciences College CURA Poster Session Competition, November, 2021; Provo, UT. First place Cell Biology and Physiology.

My contribution: As the faculty mentor for this research group, I oversaw the experimentation, data collection and analysis, and the presentation of our results. The two other authors were undergraduate students.

Olsen A*, Reeves C*, Hill E*, Adams J. Staying Hydrated: A Comparative Analysis of Humectants in Epithelial Tissue. BYU Library/Life Sciences Undergraduate Poster Competition, March, 2021; Provo, UT.

My contribution: As the faculty mentor for this research group, I oversaw the experimentation, data collection and analysis, and the presentation of our results. The three other authors were undergraduate students.

Roberg S, Adams J, Strong E. Can Undergraduate Factors Predict the Final Doctor of Physical Therapy Graduate Anatomy Course Grade? Briar Cliff University Physical Therapy Department's Excellence Event, April, 2020; Sioux City, IA.

My contribution: As the faculty mentor for this research group, I oversaw the experimentation, data collection and analysis, and the presentation of our results. The first author was a graduate student and the last author was a fellow faculty.

Nelson T*, Webber Z*, Peatross A*, Pittard A*, Sykes A*, Olsen A*, Meeves B*, Baeza C*, Nilsen C*, Reeves C*, West D*, Tan D*, Lindstrom E*, Holdaway E*, Davis G*, Madsen I*, Jones N*, Grinnell O*, Colvin S*, Humphreys T*, Adams J. Comparative Study of Humectants Used to Preserve Epithelial Tissue. BYU Library/Life Sciences Undergraduate Poster Competition, 2020; Provo, UT. People's Choice Award.

My contribution: As the faculty mentor for this research group, I oversaw the experimentation, data collection and analysis, and the presentation of our results. The twenty other authors were undergraduate students.

Goehring T, Solseth L, Steffensmeier M, Adams J. Anatomy Academy: Participation Benefits for Mentors. Briar Cliff University Excellence Event, April, 2019; Sioux City, IA.

Bosman A, Chohon J, Hafft B, Watson C, Adams J. The Benefits of Doctorate of Physical Therapy Students Participating in the Community Outreach Program, Anatomy Academy. Briar Cliff University Excellence Event, April, 2018; Sioux City, IA.

Klappa SG, Klappa S, Adams J, Cross P, Dewald M, Hauer P, Nelson H, Strong E, Wienk B. Understanding Good Research: Beyond the Classroom and Journal Club. American Physical Therapy Association (APTA) Combined Sections Meeting (CSM), 2018; New Orleans, LA.

Klappa SG, Strong E, Wienk B, Dewald M, Nelson H, Hauer P, Adams J, Cross P, Lloyd M. Beyond PICO, CATwalks, and journal clubs, cinematography connects students to EBP. American Physical Therapy Association Education Section Educational Leadership Conference, October 13-15, 2017; Columbus, OH.

Burton K, Feske C, Ryan S, Adams J. Anatomy Academy Program Enhances Doctoral Physical Therapy Student's Confidence. Briar Cliff University Excellence Event, April 18, 2017; Sioux City, IA.

Adams J, Nelson H, Strong E, Klappa S, Wisco J. Doctor of Physical Therapy student's participation in teaching basic science concepts in the community outreach program, Anatomy Academy. American Physical Therapy Association (APTA) Combined Sections Meeting (CSM), 2017; San Antonio, TX. HPA Section Global Health SIG Social Responsibility Research Award.

Adams JS. Pax3 splice form expression and isoform function in the ophthalmic trigeminal placode. LDS Life Science Research Symposium, 2013; Salt Lake City, UT.

Adams J, Brown R, Maschmann J, Irwin I, Woodbury L, Mercer L, and Oxford JT. Developmental expression of collagen type XI in zebrafish (*Danio rerio*), American Association for the Advancement of Science (AAAS) Pacific Division, 2007. Boise, ID.

Funded Grant Activity:

BYU students are highlighted by * (undergraduate) and # (graduate).

Jason Adams. Life Sciences Teaching Development Grant.

Teaching Development Grants are funds given to individual faculty members or teams to improve undergraduate teaching. They can be used for student learning activities and/or resources. Grant Title: "Resources for Undergraduate Students Taking CELL 320: Dissection Techniques in Human Anatomy"; Role: Faculty Mentor; Funding source: Internal, College of Life Sciences; Project date: September 2025-September 2026; Funding amount: \$3,845.

Emma Anderson*, Jason Adams. College of Life Sciences Award (College Undergraduate Research Awards (CURA). \$2000. 2024.

CURA are funds given to undergraduate students that are mentored by a faculty member in the College of Life Sciences providing a mentored process to add knowledge to science. Grant Title: "Rehydration of Cadaveric Tissue"; Role: Faculty Mentor and Principal Investigator; Funding source: Internal, College of Life Sciences; Project date: January-December 2024; Funding amount: \$2000.

Zach Ward*, Jason Adams. College of Life Sciences Award (College Undergraduate Research Awards (CURA). \$1500. 2023.

CURA are funds given to undergraduate students that are mentored by a faculty member in the College of Life Sciences providing a mentored process to add knowledge to science. Grant Title: “Applications of Constructivist Theory in Medical Education”; Role: Faculty Mentor and Principal Investigator; Funding source: Internal, College of Life Sciences; Project date: January-December 2023; Funding amount: \$1500. Jason Adams. Life Sciences Teaching Development Grant.

Teaching Development Grants are funds given to individual faculty members or teams to improve undergraduate teaching. They can be used for student learning activities and/or resources. Grant Title: “Development of Online Resources for Undergraduate Students Taking CELL 220: Human anatomy with Lab”; Role: Faculty Mentor; Funding source: Internal, College of Life Sciences; Project date: January-December 2022; Funding amount: \$2050.

Ayden Olsen*, Craig Reeves*, Jason Adams. College of Life Sciences Award (College Undergraduate Research Awards (CURA).

CURA are funds given to undergraduate students that are mentored by a faculty member in the College of Life Sciences providing a mentored process to add knowledge to science. Grant Title: “Preventing Dehydration of Cadaveric Tissue”; Role: Faculty Mentor and Principal Investigator; Funding source: Internal, College of Life Sciences; Project date: January-December 2022; Funding amount: \$1500.

Ayden Olsen*, Craig Reeves*, Jason Adams. College of Life Sciences Award (College Undergraduate Research Awards (CURA).

CURA are funds given to undergraduate students that are mentored by a faculty member in the College of Life Sciences providing a mentored process to add knowledge to science. Grant Title: “Staying Hydrated: A Comparative Analysis of Humectants in Epithelial Tissues”; Role: Faculty Mentor and Principal Investigator; Funding source: Internal, College of Life Sciences; Project date: January-December 2021; Funding amount: \$1500.

Tanner Nelson*, Zak Webber*, Jason Adams. College of Life Sciences Award (College Undergraduate Research Awards (CURA).

CURA are funds given to undergraduate students that are mentored by a faculty member in the College of Life Sciences providing a mentored process to add knowledge to science. Grant Title: “Staying Hydrated: A Comparative Analysis of Humectants in Epithelial Tissues”; Role: Faculty Mentor and Principal Investigator; Funding source: Internal, College of Life Sciences; Project date: January-December 2020; Funding amount: \$1500.

Sue Klappa, Patrick Cross, Heidi Nelson, Eric Strong, Matt Dewald, Jason Adams, Patrick Hauer, Brian Wienk. Pro Bono Incubator Grant. \$2000. 2017-2018.

Jason Adams, author. Graduate Mentoring Award. Funded to laboratory of Michael Stark, principle investigator. \$5,000.00. 2010-2011 funding through Brigham Young University.

Jason Adams, author. Graduate Mentoring Award. Funded to laboratory of Michael

Stark, principle investigator. \$5,000.00. 2009-2010 funding through Brigham Young University.

Jason Adams, author. Biology Department Grant. Funded to laboratory of Julia Oxford, principle investigator. 2007 funding through Boise State University.

Jason Adams, author. NASA-ISGC Graduate Student Fellowship. Funded to laboratory of Julia Oxford, principle investigator. \$7,500.00. 2006 – 2007 funding through National Aeronautics and Space Administration-Idaho Space Grant Consortium (NASA-ISGC).

Other Scholarly Products:

Contributed to article: Feland JB, Myrer JW, Schulthies SS, Fellingham GW, Measom GG. The effect of duration stretching of the hamstring muscle group for increasing range of motion in people 65 years or older. *Physical Therapy*, 2001; 81(5): 1110-1117.

My contribution: In this research group, I participated in performing stretches in an elderly population and collected data.

Past Research Activity:

Jason Adams, Sue Klappa, Heidi Nelson, and Eric Strong. Impact on Department of Physical Therapy graduate students participating in the community outreach program, Anatomy Academy.

Jason Adams, Patrick Cross, and Eric Strong. Determining predictors for academic success in a professional human anatomy course: a pilot study.

Jason Adams and Michael Stark. Regulation of sensory neurogenesis in the trigeminal placode through Wnt ligands.

Jason Adams and Julia Oxford. Characterizing minor fibrillar collagens within the developing zebrafish.

Membership in Scientific/Professional Organizations:

[Human Anatomy and Physiology Society \(HAPS\). 2017 - present.](#)

[American Association of Clinical Anatomists \(AACA\). 2015 – present.](#)

[American Association of Anatomy \(AAA\). 2019 – 2022.](#)

Member of Education Section, APTA, Interprofessional Partners Program 2017-2019.

- Special interest group (SIG) of anatomy.

American Physical Therapy Association (APTA) - Faculty Partner. 2015 – 2019.

Society of Developmental Biology (SDB). 2009-2012.

Idaho Association of Chiropractic Physicians (IACP). 2003-2004.

Consultative and Advisory Positions Held:

Advisory Board Member

Briar Cliff University Doctorate of Physical Therapy Department

2015 – 2019.

Consultant

Development of the following courses: HSC 501 Human Anatomy, HSC 502 Human Physiology, HSC 503 Human Neuroscience, HSC 504 Human Embryology, HSC 506 Human Pathophysiology

Briar Cliff University

2014 – 2015

Biology Teaching Group Leader

Brigham Young University-Idaho

2011 – 2012

Curriculum Improvement Council Member

Brigham Young University-Idaho

2010 - 2012

Services to the University/College/School on Committees/Councils/Commissions:

Brigham Young University. 2019 – present.

College

- Serve as a point of contact between the College of Life Sciences and the School of Medicine at Brigham Young University regarding their establishing an anatomy lab. 2025 – present.
- Member of Life Sciences College Curriculum Council. 2023 – present.
 - Participate in regular college curriculum councils.
 - Review new program and course proposals.
- Member of Life Sciences College Safety Committee. 2019 – 2023.
 - Assisted college in maintaining safety standards in labs and other facilities with emphasis in my department.
- Life Sciences College CURA Poster Competition. 2021.
 - Judge undergraduate posters (11).
- Life Sciences College Graduation Committee. 2021.
 - Discuss the planning of a virtual convocation and recognizing graduating students remotely.

Department

- Member of department search committee. 2023 – 2024.
 - Activity led to the successful hiring of a candidate.
 - Assisted with advertising available faculty position.
 - Interviewed candidates and shared information to department.
- Member of department executive committee. 2023 – present.
 - Council with department chair and other members regarding the policies, progress, and direction of the department.
 - Assist with the department unit review (2024-2025).
- Chair of department curriculum committee. 2023 - present.
 - Directed committee in writing part of the department unit review (2024-2025).
 - Oversee submission of Program Stewardship reports from the department.
 - Member of curriculum committee since 2019.
 - Assist department faculty in improving and editing courses.
 - Attend college curriculum meetings.
 - Participate in the reporting on, improvement of, and editing of department programs.
 - Perform multiple exit interviews with graduating department undergraduate students each semester.
 - Directed New Student Orientation Experiential Learning Session for the department (August 2024 - present). Worked with two undergraduate students in providing this experience, Alexandra DiLiberto and Emilee Humphreys.
- Reserve department safety representative. 2023 – present.
 - Act as a backup for department safety representative when they are out of the area.
- Member of department awards committee. 2019 - 2024.
 - Provided names of department faculty as candidates for university, college, and departmental awards.
 - Wrote multiple nominations for faculty and adjunct faculty.
- Served as Exploratour Leader for department with the President's Leadership Council. 2024.
 - Organized and led department's Exploratour anatomy and physiology lab experience.
 - Worked with four undergraduate students in providing this experience, Olivia Hansen, Lizzy Miles, Andrew Richardson, Henry Livingstone.
- Served as a judge of graduate presentations and posters during department Graduate Retreat. 2022 and 2019.
- Mentor of ten undergraduate students in college awarded CURA grant.
 - Emma Anderson 2024**; Zach Ward 2023‡; Ayden Olsen, Craig Reeves, Cassandra Peterson, and Rachel Prince; Ayden Olsen, Craig Reeves, and Alex Pittard; Emily Hill, Ayden Olsen, and Craig Reeves; Tanner Nelson and Zak Webber. 2020 – 2022*.

- Oversaw one undergraduate and one graduate in performing research on the following topic:
 - “Applications of constructivist theory in medical education†.”
 - Oversee multiple undergraduates (10-15 per semester) that volunteer to perform research on the following topics:
 - “Effectiveness of different humectants in rehydrating tissue**.”
 - “Effectiveness of different humectants in preserving tissue*.”
- Coordinate use of anatomy labs (2022, 2039, 2043 LSB). 2019 – present.
 - BYU Choral Music Program – Andrew Crane (2025)
 - Harvest Massage & Wellness – Cheyenne Kopelson (2025)
 - BYU Team Life – Emily Andersen (2025)
 - Breath of Life research – Elizabeth Jeffery, Matthew Tallis (2024)
 - Mechanical engineering research – Karl Wolfley, advisor: Matt Allen (2024); Noa Leituala, advisor: Robert Snellman (2023)
 - Engineering capstone project – Kaleb Barker, advisor: Adam Ellison (2023)
 - BYU Emergency Medical Services (EMS) Agency – Kevin Peterson (2021)
 - Rocky Mountain University – Anatomy Program
 - Illustration class – Michael Parker (annually)
 - Public Health class (HLTH 428) – Jim Johnston (annually)
 - Support for the BYU Community and schools in Utah county

Briar Cliff University. 2012 – 2019.

- Member of the faculty assessment committee. 2018-2019.
- Performed a survey review of the book: Evidence-Based Rehabilitation: A Guide to Practice, Third Edition; Health Care Books and Journals. 2019.
- Member of the university faculty senate, senator of the assessment committee. 2017-2018.
- Reviewed a sample chapter in the Applied Human Anatomy for the Sciences textbook; Slack Incorporated. 2018.
- Reviewed abstracts for the American Association of Clinical Anatomists (AACA) Annual conference. 2018.
- Reviewed abstracts for the Excellence Event held at Briar Cliff University. 2017-2019.
- Cultural Conference Subcommittee, Center of Health Care Initiatives (CHCI). 2017 – 2019.
- Member of Awards and Leadership Committee in Department of Physical Therapy. 2016 – 2019.
- Graduate advisor. 2015 – 2019.
- Interim advisor for prospective physical therapy and kinesiology students. 2015 – 2019.

- Serve as Director of the Human Anatomy and Biomedical Sciences Labs. 2015 – 2019.
- Member of Special Events Committee in Department of Physical Therapy. 2015 – 2019.
- Participant in practical examination cases in the Department of Physical Therapy. 2016.
- Participant in White Coat Ceremony for the Department of Physical Therapy. 2016.
- Participant in Progress and Conduct Committee in Department of Physical Therapy. 2015 – 2019.
- Participant of Advisor Board Committee in Department of Physical Therapy. 2015 – 2019.
- Participant in Donor Memorial Ceremony. 2015 – 2019.
- Member of the Center of Health Care Initiatives (CHCI). 2015 – 2019.
- Participant in admission interviews for prospective physical therapy students. 2014 – 2019.
- Session director in STEM Festivals on the campus of Briar Cliff University. 2013 - 2019.
- Session director in Health Science Days on the campus of Briar Cliff University. 2013 - 2019.
- Coordinator and director of cadaver lab tours on the campus of Briar Cliff University for local high schools. 2013 - 2019.
- Participant of the Briar Cliff University Commencement. 2013 – 2019.
- Participant of the Briar Cliff University Honors Convocation. 2013 – 2019.
- Faculty representative for Barry M. Goldwater Scholarship Program. 2013 – 2019.
- Participant of various service opportunities at Briar Cliff University. 2013 – 2019.
 - Volunteer lecturer
 - Greeter during Donut Days
 - Set up for Christmas party for persons with disabilities
 - Serve lunch at the cafeteria
 - Moving in of new undergraduate students
 - Grounds work during campus clean-up days
- Member of Search Committees for Faculty and Administrative Positions in Department of Physical Therapy and Department of Biology. 2013 - 2016.
- Participant of the Briar Cliff University Fall Convocation. 2013 – 2015.
- Member of Faculty Development Committee. 2013-2015.
 - Served as co-chair and treasurer
- Undergraduate advisor. 2013-2015.
- Interim advisor for prospective Biology students. 2013-2015.
- Member of Faculty Writing Initiative. 2013.
- Faculty mentor. 2012-2013.

Services to the Profession:

American Association of Clinical Anatomists (AACA) Annual Meeting, Bellevue, WA. March and June 2025.

- Reviewer of (8) abstracts
- Poster (6) judge
- Platform presentation (1) judge

American Association of Clinical Anatomists (AACA) Annual Meeting, New York, NY. March and June 2024.

- Reviewer of (5) abstracts
- Poster (9) judge

Langman's Medical Embryology, TW Sadler, 15th Edition, Wolters Kluwer. March 2024.

- Book reviewer

Human Anatomy and Physiology Society (HAPS) Western Regional Meeting, SLCC, Salt Lake City, UT. March 2023.

- Workshop presentation: Teaching Anatomy with Imaging
- Brought three (3) BYU undergraduate students interested in teaching as a profession.

American Association of Clinical Anatomists (AACA) Annual Meeting, Orlando, FL. March and July 2023.

- Reviewer of (5) abstracts
- Poster (7) judge
- Presentation (2) judge

American Association of Clinical Anatomists (AACA) Annual Meeting, Fort Worth, TX. March and June 2022.

- Reviewer of (4) abstracts
- Poster (4) judge

American Association of Clinical Anatomists (AACA) Virtual Annual Meeting. March 2021.

- Reviewer of abstracts

Volunteer scholarly project, ProjectLINK Leveraging Individual Network Knowledge, University of Nebraska Medical Center, Omaha, NE. 2016 – 2019.

American Association of Clinical Anatomists (AACA) Annual Meeting, Oakland, CA. Summer 2016.

- Judge of poster presentations.

Honors and Awards:

Five-Year Service Award, Briar Cliff University. 2017.

Doctoral Research Assistant, Department of Physiology and Developmental Biology, Brigham Young University. 2008-2012. (research advisor: Michael R. Stark).

Teaching Assistant, Department of Physiology and Developmental Biology, Brigham Young University. 2009-2012.

Master Research Assistant, Department of Biology, Boise State University. 2009 - 2012. (research advisor: Julia T. Oxford).

Teaching Assistant, Department of Biology, Boise State University. 2009-2012.
Graduated Magna cum laude at Palmer College of Chiropractic, 2003

Continuing Education Attended:

Y-Faculty Institute at Brigham Young University. Provo, UT. April-May 2025.

- Participated in a weekly institute class to development as a teacher, and to understand current and effective pedagogical practices.

Human Anatomy and Physiology Society (HAPS) Cafecito. Zoom seminar. How to foster student persistence in the classroom. June 2025

American Association of Clinical Anatomists (AACA) Annual Meetings. Bellevue, WA. June 2025; New York City, NY. June 2024; Orlando, FL. July 2023; Fort Worth, TX. June 2022; Virtual. June 2021; Virtual. June 2020; Oakland, CA. June 2016.

- Attended multiple seminars related to clinical anatomy and higher education in anatomy.

High-structure Course Design. Justin Shaffer, Colorado School of Mines. Provo, UT. April 2024.

Human Anatomy and Physiology Society (HAPS) Regional Meeting. Salt Lake City, UT. March 2023.

- Attended multiple seminars related to anatomy, physiology, and teaching.

Human Anatomy and Physiology Society (HAPS) Annual Meeting. Virtual. May 2021; Virtual. June 2020.

- Attended multiple seminars related to anatomy, physiology, and teaching.

HAPS Roundtable with Anne Agur. Virtual. February 2021.

- Attended faculty development discussion for anatomy instructors in teaching, networking, and research.

Completed New Faculty Series at Brigham Young University – Spring Seminar 2021.

Experiential Learning Summit (BYU Careers and Experiential Learning). Provo, UT. April 2021; Provo, UT. November 2019.

- Attended multiple sessions on experiential learning

Experiential Learning and Internship. Virtual. October 2021; Virtual. March 2021.

- Attended presentations on relationships and working with students.

BYU Faculty Development Series (BYU Faculty Center). Provo, UT. 2019 – present.

- Attend multiple presentations for pre-CFS faculty on faculty development.
- Includes Education series and Center for Teaching and Learning seminars

BYU Life Sciences (College Lunch and Learn). Provo, UT. 2020 – present.

- Attend multiple presentations on faculty development.

BYU Workshop for New Faculty (Center for Teaching and Learning). Virtual. August 2020.

BYU LDS Educators Conference. Virtual. June 2020.

American Physical Therapy Association (APTA) Combined Sections Meeting (CSM). Washington DC. January 2019; San Antonio, TX. February 2017.

- Attended multiple seminars on anatomy, pathology, and teaching.

American Physical Therapy Association (APTA) Learning Center session. Washington DC. January 2019.

- Musculoskeletal Sonography of the Lower Limb Focused in Sport and Performing Arts.

Center for Excellence in Learning and Teaching (CELT) sessions at Briar Cliff University. Sioux City, IA. 2015 – 2019.

- Attended multiple seminars on teaching and learning.

The Power of Cultural Diversity Conference through Briar Cliff University. Sioux City, IA. March 2017.

Completion of Continuing Medical Education from the Illinois College of Emergency Physicians through SonoSim Ultrasound Training Sessions. Fall 2016.

Ohio State Center for Continuing Medical Education sponsoring 4th Annual Ultrasound in Anatomy and Physiology Education. Columbus, OH. March 2016.

Annual Harry E. Settles Memorial Gross and Clinical Anatomy Review Workshop presented by the University of South Dakota School of Health Sciences Physical

Therapy Department. Vermillion, SD. June 2015; Vermillion, SD. June 2014.

APTA Faculty Development Workshop, Chicago, IL. July 2015.

Current Teaching Responsibilities in the Cell Biology and Physiology Department:

Didactic Teaching

Brigham Young University. 2019 - present.

- Course instructor for CELL 305: Human Physiology. 2025 - present.
- Course director and instructor for CELL 320: Dissection Techniques in Human Anatomy. 2020 - present.
- Course director and instructor for CELL 520R: Advanced Topics in Clinical Human Anatomy. 2020 - present.
- Course director and instructor for CELL 220: Human Anatomy (with lab). 2019 - present.

Mentored Teaching

Brigham Young University. 2019 - present.

- Course assistant instructor for CELL 363: Advanced Physiology Lab. 2020 – present.
 - Manage lab and supervise CELL 363 lab teaching assistants. Number of students mentored (graduate students: 2; undergraduate students: 49).
 - Assisted Dr. Sterling Sudweeks in piloting a revision of this course.
- Course instructor for CELL 295R: Introductory Undergraduate Research in Cell Biology and Physiology. 2020-present.
 - Students mentored: Zach Leonard, Charlie Eliason, Cameron Bonsignore, Emma Anderson, Joey Perez, Luci Stewart, Joseph Monsen, Cassandra Peterson, Rachel Prince, Alex Pittard, Emily Hill, Ayden Olsen, Craig Reeves, Tanner Nelson, Zak Webber.
- Course instructor for CELL 349R: Cell Biology and Physiology Teaching Experience. 2019 -present.
 - Supervise CELL 220 lab and lecture teaching assistants. Number of students mentored (undergraduate students: 498).

Other

- Lab faculty for CELL 220: Human Anatomy Lab. 2019 - present.
 - Oversee the use of the anatomy labs in the Life Science Building
- Course faculty for CELL 455R: Cell Biology and Physiology Seminar. 2019 – present.

Past Teaching Responsibilities in the Entry-level Physical Therapy Program:

Briar Cliff University. 2015 – 2019.

- Course director for HSC 503: Human Neuroscience. 2016 – 2018.
- Course director for HSC 501: Human Anatomy. 2015 – 2019.

- Course director for HSC 502: Human Physiology. 2015 – 2018.
- Course director for HSC 504: Human Embryology. 2015 – 2018.
- Course instructor for HSC 506: Human Pathophysiology. 2015 – 2018.
- Course instructor for HSC 508: Human Medical Imaging. 2016 – 2018.
- Course instructor for HSC 560: Scholarly Research Proposal. 2016 – 2019.
- Course instructor for HSC 660: Rehabilitation Scholarly Project. 2016 – 2018.
- Course instructor for HSC 503: Human Neuroscience. 2015.

Past Teaching Responsibilities in the Biology Department:

Briar Cliff University. 2012 – 2015.

- Course director for BIOL 221: Human Anatomy. 2012 – 2018.
- Course director for BIOL 35IS: Advanced Anatomy Lab. 2013 – 2019.
- Course director for BIOL 102: Human Biology. 2014.
- Course director for BIOL 151: General Biology I. 2012.
- Course director for BIOL 152: General Biology II. 2013 – 2015.
- Course director for BIOL 340: Pathophysiology. 2013-2015.
- Course director for BIOL 22IS: Scientific Writing and Research. 2014.
- Course director for BIOL 54IS: Medical Terminology. 2013.
- Course director for BIOL 58IS: Senior Seminar. 2013-2014.
- Course director for SPTS 71IS: Advanced Human Anatomy Lab. 2013 – 2015.
- Course instructor for CORE 120M: Freshman Seminar. 2014.