



Physical Therapy

SCHOOL OF MEDICINE

UNIVERSITY OF COLORADO
ANSCHUTZ MEDICAL CAMPUS

CURRICULUM VITÆ

Mike Pascoe, PhD

University of Colorado Anschutz Medical Campus, Physical Therapy Program

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Phone: (303) 724-5978 Web: MikePascoe.com

Education:

University of Colorado, Department of Integrative Physiology, Boulder, CO

2007-2010

Neurophysiology

Dissertation: [*Age-associated differences in discharge rate modulation of motor units*](#)

Advisor: Roger Enoka, PhD

Doctor of Philosophy (PhD)

University of Colorado, Department of Integrative Physiology, Boulder, CO

2005-2006

Neurophysiology

Thesis: *Discharge characteristics of motor units during long-duration contractions*

Advisor: Roger Enoka, PhD

Master of Science (MS)

University of Colorado, Department of Kinesiology, Boulder, CO

2000-2004

Kinesiology

Bachelor of Arts (BA)

Employment and Positions Held:

Associate Professor

University of Colorado Physical Therapy Program

Aurora, CO

July 2021-present

Assistant Professor

University of Colorado Physical Therapy Program

Aurora, CO

July 2015-Jun 2021

Senior Instructor

University of Colorado Physical Therapy Program

Aurora, CO

Feb 2011-Jun 2015

Graduate Teaching Assistant
Neurophysiology of Movement Lab
Department of Integrative Physiology, University of Colorado
Boulder, CO
2005-2010

Graduate Research Assistant
Neurophysiology of Movement Lab
Department of Integrative Physiology, University of Colorado
Boulder, CO
2005-2010

Professional Research Assistant
Neurophysiology of Movement Lab
Department of Kinesiology, University of Colorado
Boulder, CO
Fall 2004

Scholarly Agenda:

My scholarly efforts center around the investigation of constructivist approaches in technology-enabled learning environments (e.g., wiki usage, interactive modules, cadaver skin examination, etc.) to improve learning outcomes and student satisfaction in anatomy courses.

Peer Reviewed Publications:

Pascoe MA. The effect of Snapchat on learner satisfaction and anatomical knowledge retention: Preliminary observations. *FASEB Bioadv*. 2021 [Aug;3\(11\):909-917](#). [Altmetric](#)

Pascoe MA, Betts K. Use of a Digital, Profession-Specific Dissection Guide Is Associated with Improved Examination Performance and Student Satisfaction. *Med Sci Educ*. 2020 [Jun;30:1025-1034](#). [Altmetric](#)

Pascoe MA. Web browsing habits of healthcare professions students in gross anatomy laboratory. *Anat Sci Educ*. 2020 [Jul/Aug;13:520-526](#). [Altmetric](#)

Pascoe MA, Robertson EK. Utilization and perception of live-blogging coverage of an international manual physical therapy conference. *J Manual & Manip Ther*. 2018 [Oct;1-11](#).

Schwerdtfeger LA, Pascoe MA, Clapp T. High incidence of a third head of biceps brachii in females. *Transl Res in Anat*. 2018 [Sep;12:25-27](#).

Pascoe MA, Monroe F, Macfarlane H. Taking Constructivism One Step Further: Post Hoc Analysis of a Student-Created Wiki. *JMIR Med Educ*. 2018 [Jun;14\(1\):1-11](#). [Altmetric 30](#)

Pascoe MA, Lee MJL. Incorporation of Light Field Photography into an Online Anatomy Resource Does Not Influence Student Quiz Performance or Perceptions of Usability. *Med Sci Educ*. 2017 [Sep;27\(3\):465-474](#).

Pascoe MA, Holmes MR, Stuart DG, Enoka RM. Discharge characteristics of motor units during long duration contractions. *Exp Physiol*. 2014 [Oct;99\(10\):1387-1398](#). [Altmetric 21](#)

Pascoe MA, Gould JR, Enoka RM. Motor unit activity when young and old adults perform steady contractions while supporting an inertial load. *J Neurophysiol*. 2013 [Feb;109\(4\):1055-1064](#).

Pascoe MA, Holmes MR, Enoka RM. Discharge characteristics of biceps brachii motor units at recruitment when older adults sustained an isometric contraction. *J Neurophysiol*. 2011 [Feb;105\(2\):571-581](#).

Marmon AR, Pascoe MA, Schwartz RS, Enoka RM. Associations among strength, steadiness, and hand function across the adult life span. *Med Sci Sports Exerc*. 2011 [Apr;43\(4\):560-567](#).

Barry BK, Pascoe MA, Riek S, Carson RG, Enoka RM. Common input to different regions of biceps brachii long head. *Exp Brain Res*. 2009 [Mar;193\(3\):351-9](#).

Barry BK, Riley ZA, Pascoe MA, Enoka RM. A spinal pathway between synergists can modulate activity in human elbow flexor muscles. *Exp Brain Res*. 2008 [Sep;190\(3\):347-59](#).

Barry BK, Pascoe MA, Jesunathadas M, Enoka RM. Rate coding is compressed but variability is unaltered for motor units in a hand muscle of older adults. *J Neurophysiol*. 2007 [May;97\(5\):3206-18](#).

Shinohara M, Moritz CT, Pascoe MA, Enoka RM. Prolonged muscle vibration increases stretch reflex amplitude, motor unit discharge rate, and force fluctuations in a hand muscle. *J Appl Physiol*. 2005 [Nov;99\(5\):1835-42](#).

Moritz CT, Barry BK, Pascoe MA, Enoka RM. Discharge rate variability influences the variation in force fluctuations across the working range of a hand muscle. *J Neurophysiol*. 2005 [May;93\(5\):2449-59](#).

Peer Reviewed Scientific and Professional
Presentations (Posters/Panels):

Allredge J, Tonick S, Pascoe M. Pelvic anatomy lab in collaboration with school of physical therapy: a pilot course. Submitted to American College of Obstetricians and Gynecologists Annual Clinical & Scientific Meeting, May 6-8, 2022

Pascoe MA. Stakeholder Assessment of Student Preparedness and Capability to Apply Anatomical Knowledge in Physical Therapy Practice. Submitted to American Association for Anatomy, Annual Conference, Apr 2-5, 2022

Freedman JD, Pascoe MA, Constantine R, Malliaris S, Cohen J, Mathes D, Mason A. The Wiki as an Enhanced Education Tool for Plastic Surgery: A New Opportunity to Foster Collaborative Learning using Social Media. American Council of Academic Plastic Surgeons, Austin, Texas. Date of Meeting Feb 25-27, 2022.

Freedman JD, Pascoe MA, Malliaris S, Mathes D, Mason A. The Wiki as an Enhanced Education Tool for Plastic Surgery: A New Opportunity to Foster Collaborative Learning

Using Social Media. Plastic Surgery Research Symposium, Department of Surgery, School of Medicine, University of Colorado Anschutz Medical Campus. Virtual; May 10, 2021. [Video](#)

Pascoe MA. Serving as an Anatomy Laboratory Teaching Assistant was not Associated with Higher Scores on the USMLE Step 1 Exam. American Association for Anatomy Annual Meeting. Virtual; Apr 30, 2021. Abstract Accepted for Oral Presentation. <https://doi.org/10.1096/fasebj.2021.35.S1.03338>

Zagona-Prizio C, Pascoe MA, Mann S, Mayer K, Simon V, Maloney JP. Emergent Cricothyrotomy Training for Non-Surgeons. Education Scholarship & Innovation Symposium, Academy of Medical Educators, School of Medicine, University of Colorado Anschutz Medical Campus. Virtual; Mar 4, 2021.

Pascoe MA. Impact of an anatomy themed Snapchat account on learner utilization, satisfaction, and assessment outcomes. Education Scholarship & Innovation Symposium, Academy of Medical Educators, School of Medicine, University of Colorado Anschutz Medical Campus. Virtual; Mar 1, 2021.

Zagona-Prizio Caterina, Mann S, Mayer K, Pascoe MA, Maloney JP, Parsons, B. Emergent Cricothyrotomy Training for Non-Surgeons. Western Medical Research Conference, American Federation for Medical Research. Virtual; Jan 29-30, 2021.

Zagona-Prizio Caterina, Mann S, Mayer K, Pascoe MA, Maloney JP, Parsons, B. Emergent Cricothyrotomy Training for Non-Surgeons. 35th Annual Student Research Forum Presentations, School of Medicine, University of Colorado Anschutz Medical Campus. Aurora, CO; Jan 11, 2021.

Pascoe MA. Impact of an anatomy themed Snapchat account on learner utilization, satisfaction, and assessment outcomes. American Association for Anatomy Annual Meeting. San Diego, CA; Apr 4-7, 2020 [Canceled COVID-19]

Hennessey CM, Brown K, Pascoe MA, Holland J, Keenan I, Meyer A, Royer D. Social media use by anatomy educators and the implications for professionalism. Anatomical Society Winter Meeting, Lancaster, UK; Dec 18, 2019.

Pascoe MA. Snapchat use in anatomy education. The 19th Congress of the International Federation of Associations of Anatomists. London, UK; Aug 9-11, 2019.

Pascoe MA, Corral J, Stabio ME, Rapport MJ. Nice to know vs. need to know: a survey of PT program stakeholders on essential anatomy course content required for excellent clinical care. Education Scholarship & Innovation Symposium, Academy of Medical Educators, School of Medicine, University of Colorado Anschutz Medical Campus. Aurora, CO; May 13, 2019.

Pascoe MA, Betts K. Implementation of a program-specific digital cadaver dissection guide. Education Scholarship & Innovation Symposium, Academy of Medical Educators, School of Medicine, University of Colorado Anschutz Medical Campus. Aurora, CO; Feb 6, 2018.

Pascoe MA, Niehuas W. Technology within spine and pain practice. American Academy of

Physical Medicine and Rehabilitation Annual Assembly. Denver, CO; Oct 12-15, 2017.

Pascoe MA, Meyer AJ, Morton D. Active Learning: Getting your health profession students to engage! Roundtable Session. American Association of Anatomists Annual Meeting. Chicago, IL; Apr 22-26, 2017.

Pascoe MA. Healthcare profession student internet usage in the gross anatomy lab setting. Education Scholarship & Innovation Symposium, Academy of Medical Educators, School of Medicine, University of Colorado Anschutz Medical Campus. Aurora, CO; Jan 31, 2017.

Pascoe MA, Lee LMJ. Potential of “Living” Photography in an Online Anatomy Resource to Improve Students’ 3D Spatial Understanding. American Association of Anatomists Annual Meeting. San Diego, CA; [Apr 2-5, 2016](#).

Diouf JR, Pascoe MA, Ringel SP. Creation of a learning module for healthcare graduate students on ALS. American Association of Anatomists Annual Meeting. San Diego, CA; Apr 2-5, 2016.

Bergden J, Caldwell JH, Pascoe MA, Hughes WF. Dementia in 3D: A case-based instructional module exploring the impact of cerebral vascular anatomy in subcortical pathology leading to dementia. Society for Neuroscience Meeting. Chicago, IL; Oct 2015. Abstract published in Society for Neuroscience Abstracts.

Lowenthal PR, Dunlap JC, Dobrovolny J, Feyissa S, Pascoe MA. Getting graphic about infographics: An analysis of popular infographics. Association for Educational Communications and Technology International Convention, Anaheim, CA; Oct 29-Nov 2, 2013.

Pascoe MA, Robertson EK. Utilization and perception of live-blogging coverage of an international manual therapy conference. American Academy of Orthopedic Manual Physical Therapists Annual Meeting, Cincinnati, OH; Oct 16-20, 2013.

Lee LMJ, Pascoe MA. Development and evaluation of a digital anatomy resource with multi-focal plane, interactive images. American Association of Clinical Anatomists Annual Meeting, Denver, CO; Jul 9-13, 2013.

Monroe F, MacFarlane H, Pascoe MA. Student-created wiki for collaborative medical education. University of Colorado, School of Medicine, Mentored Scholarly Activity Presentations, Aurora, CO; Mar 7, 2013.

Pascoe MA, Davenport T, Noteboom T, Bise C, Elliott J. Follow us! Lessons learned using social media in PT programs. American Physical Therapy Association Combined Sections Meeting, San Diego, CA; Jan 23, 2013.

Pascoe MA, Gould JR, Enoka RM. Motor unit activity at recruitment when young and old adults support compliant loads. American College of Sports & Medicine Meeting, Denver, CO; Jun 2011. Abstract published in Medicine and Science in Sports and Exercise. 2011 May;43(5):614.

Pascoe MA, Holmes MR, Stuart DG, Enoka RM. Discharge characteristics of motor units

during long duration contractions performed by young and old adults. Society for Neuroscience Meeting. Chicago, IL; Nov 2009. Abstract published in Society for Neuroscience Abstracts.

Pascoe MA, Holmes MR, Gaw ME, Enoka RM. Motor unit recruitment in the biceps brachii of older adults during a fatiguing contraction. Society for Neuroscience Meeting. Washington D.C.; Oct 2008. Abstract published in Society for Neuroscience Abstracts.

Jordan K, Pascoe MA, Riley ZA, Enoka RM. The regularity of motor unit discharge during steady contractions can vary with age. Society for Neuroscience Meeting. Washington D.C.; Oct 2008. Abstract published in Society for Neuroscience Abstracts.

Marmon AR, Pascoe MA, Enoka RM. Associations between force steadiness and tests of hand function across the adult life span. Society for Neuroscience Meeting. Washington D.C.; Oct 2008. Abstract published in Society for Neuroscience Abstracts.

Pascoe MA, Holmes MR, Gaw ME, Enoka RM. Motor unit recruitment in the biceps brachii of older adults during a fatiguing contraction. Mechanisms of Plasticity and Disease in Motoneurons, Seattle, WA; June, 2008.

Pascoe MA, Enoka JA, Enoka RM. Discharge characteristics of motor units during long contractions. Society for Neuroscience Abstracts 2006.

Riley ZA, Barry BK, Pascoe MA, Enoka RM. Modulation of afferent pathways is task specific but not muscle specific between the elbow flexors. Society for Neuroscience Abstracts 2006.

Jesunathadas M, Barry BK, Pascoe MA, Enoka RM. Validating the Fuglevand model of motor unit recruitment and rate coding for young and old adults. Society for Neuroscience Abstracts 2006.

Pascoe MA, Enoka JA, Enoka RM. Discharge characteristics of motor units during long contractions. Motoneurons and their Firing Patterns, Copenhagen, Denmark; July, 2006.

Jesunathadas M, Barry BK, Pascoe MA, Enoka RM. Variability of motor unit discharge during isometric contractions in young and old adults. Motoneurons and their Firing Patterns July, 2006.

Pascoe MA, Barry BK, Riley ZA, Enoka RM. Identifying the source of radial nerve afferents that inhibit biceps brachii. Medicine and Science in Sports and Exercise. 2006 May;38(5):S367.

Riley ZA, Barry BK, Pascoe MA, Enoka RM. Task-dependent modulation of afferent pathways between elbow flexor muscles. Medicine and Science in Sports and Exercise. 2006 May;38(5):S368.

Barry BK, Pascoe MA, Enoka RM. Discharge rate characteristics of motor units in a hand muscle of older adults. Society for Neuroscience Abstracts #397.15, 2005.

Barry BK, Pascoe MA, Riek S, Carson RG, Enoka RM. Motor unit synchronization is greater within than between functional regions of biceps brachii. Progress in Motor Control

IV, Pennsylvania State University, August 17-20, 2005.

Moritz CT, Barry BK, Pascoe MA, Enoka RM. Discharge rate variability is responsible for the variation in force fluctuations across the working range of a hand muscle. XXXV International Congress of Physiological Sciences #696, San Diego, CA, March 31-April 5, 2005.

Kornatz KW, Semmler JG, Pascoe MA, Meyer FG, Enoka RM. Correlated motor unit activity has only a minor influence on the fluctuations in acceleration during anisometric contractions. Society for Neuroscience Abstracts #123.4, 2004.

Kornatz KW, Semmler JG, Meyer FG, Poston BS, Pascoe MA, Enoka RM. Correlated motor unit discharge is similar in young and old adults for slow concentric, but not eccentric, contractions of a hand muscle. Society for Neuroscience Abstracts #914.7, 2003.

Non-Peer Reviewed Presentations (Invited Lectures):

Interviewed by Dr. F. Scott Feil, The Healthcare Education Transformation Podcast, [Anatomy 101 with Dr. Mike Pascoe](#), Jul 6, 2021.

Pascoe MA. Technology in Academia. Professional Skills in Academia, Rehabilitation Sciences PhD Program, Physical Therapy Program, University of Colorado, Anschutz Medical Campus, Aurora, CO; Apr 26, 2021

Pascoe MA. Technology Enabled Learning Environments & Anatomy Education. Modern Human Anatomy Seminar Series, University of Colorado, Anschutz Medical Campus, Aurora, CO; Feb 18, 2021

Interviewed by Dr. Jimmy McKay, PT Pintcast, "[How to Dissect Anatomy in Physical Therapy Education](#)" , Nov 16, 2020

Pascoe MA. Wiki use in healthcare professions education: Crowdsourcing constructivism. Symposium title: Transforming the Learning Environment in Biomedical Education. University of Nebraska Medical Center, Omaha, NE; May 30, 2019.

Interviewed by Dr. Karen Litzey, Healthy, Wealthy, and Smart Podcast, [Episode 417](#), Feb 18, 2019

Interviewed by Dr. James Pickering, The Anatomy Education Podcast, Supported by the American Association of Anatomists, [Episode 14](#), Dec 3, 2017

Pascoe MA. Integrating technology into the classroom: Flipped classroom format. ANAT 6411 - Teaching and Communication in Biomedical Sciences, Modern Human Anatomy Program, University of Colorado, Anschutz Medical Campus, Aurora, CO; Oct 9, 2017.

Pascoe MA. Integrating technology into the classroom. ANAT 6411 - Teaching and Communication in Biomedical Sciences, Modern Human Anatomy Program, University of Colorado, Anschutz Medical Campus, Aurora, CO; Nov 28, 2016. [Link to slides](#)

Pascoe MA. Snapchat in the classroom. CU Online App Hour Webinar, University of Colorado Denver, Oct 20, 2016. Link to webinar [Link to slides](#)

Pascoe MA. Dissecting innovations in graduate anatomy education. Spring 2016 Seminar Series, Dept of Health & Exercise Science, College of Health & Human Sciences, Colorado State University, Fort Collins, CO; [Feb 26, 2016](#). [Link to slides](#)

Pascoe MA. Incorporating technology into the classroom. ANAT 6411 - Teaching and Communication in Biomedical Sciences, Modern Human Anatomy Program, University of Colorado, Anschutz Medical Campus, Aurora, CO; Oct 28, 2015. [Link to slides](#)

Pascoe MA. Dissecting social media use in physical therapy. APTA California Chapter Annual Conference, Pasadena, CA; Sept 27, 2015. [Link to slides](#)

Pascoe MA. Leveraging current trends in educational technology. Staff Meeting, MIRECC, Denver Veterans Affairs Hospital, Denver, CO; Jan 20, 2015. [Link to slides](#)

Pascoe MA. Leveraging current trends in educational technology. Grand Rounds, Physical Medicine & Rehabilitation, University of Colorado, Anschutz Medical Campus, Aurora, CO; Jan 7, 2015. [Link to slides](#)

Pascoe MA. Web-based tools for today's researcher. Professional Skills in Academia, Rehabilitation Sciences PhD Program, Physical Therapy Program, University of Colorado, Anschutz Medical Campus, Aurora, CO; Oct 28, 2014. [Link to slides](#)

Pascoe MA. MSMHA Capstone Overview. Modern Human Anatomy Seminar Series, University of Colorado, Anschutz Medical Campus, Aurora, CO; Sept 4, 2014. [Link to video](#)

Pascoe MA. Overview of human anatomy & the art of dissection. Mini Medical School, University of Colorado, Anschutz Medical Campus, School of Medicine, Aurora, CO; Aug 15, 2014.

Interviewed, "What Does Google Glass Have To Do With Cadavers?" by Michael Edwards and David Lyons, CU Online Podcast, [Episode 001](#), Jun 27, 2014

Pascoe MA. The Healthcare Hashtag Project. Health Sciences Library Staff Meeting, University of Colorado, Anschutz Medical Campus, Aurora, CO; May 6, 2014.

Pascoe MA. Development and Evaluation of a Modular Anatomy Resource Utilizing Innovative Camera Technology. Modern Human Anatomy Seminar Series, University of Colorado, Anschutz Medical Campus, Aurora, CO; Apr 9, 2014. [Link to slides](#)

Pascoe MA. Charge it, point it, zoom it, press it: a #PTTech update. Manipalooza, Evidence in Motion, University of Colorado, Anschutz Medical Campus, Aurora, CO; May 18, 2013. [Link to video](#)

Pascoe MA. Overview of human anatomy & the art of dissection with a historical perspective. BA/BS-MD Program, University of Colorado, Anschutz Medical Campus, Aurora, CO; Mar 7, 2013.

Pascoe MA. Social Media and the Modern Human Anatomist: Reach, Teach, Learn. Masters of Science in Modern Human Anatomy Proseminar Series, University of Colorado, Anschutz Medical Campus, Aurora, CO; Feb 21, 2013. [Link to slides](#)

Pascoe MA. Financial Life Beyond PT School. Panel: Financial Literacy and Management for DPT Students. Regis University, Denver, CO; Jan 16, 2013.

Pascoe MA. Disruption from external forces: social media and changes in anatomy teaching. Panel: Disruptive innovation in education. 1st Annual Educational Scholarship and Innovations Symposium, Fulginiti Pavilion, University of Colorado, Anschutz Medical Campus, Aurora, CO; Nov 12, 2012.

Pascoe MA. Ars medicina: the art of healing through social media. The Arts in Medicine Lecture Series, Fulginiti Pavilion, University of Colorado, Anschutz Medical Campus, Aurora, CO; Nov 12, 2012. [Link to slides](#)

Pascoe MA. Get connected! Expanding your knowledge & reach using social media. APTA Colorado Chapter 22nd Annual Fall Symposium, Arvada Center, Arvada, CO; Nov 10, 2012. [Link to slides](#)

Pascoe MA. How to improve your teaching using emerging technology. Grand Rounds, Physical Medicine & Rehabilitation, University of Colorado, Anschutz Medical Campus, Aurora, CO; Sep 5, 2012. [Link to slides](#)

Pascoe MA. Web-based tools for today's researcher. Professional Skills in Academia, Rehabilitation Sciences PhD Program, Physical Therapy Program, University of Colorado, Anschutz Medical Campus, Aurora, CO; Aug 29, 2012.

Pascoe MA. iPad as a lecture delivery tool. CU Online Spring Symposium, Tivoli Student Union, Denver, CO; May 17, 2012. [Link to video](#)

Pascoe MA. Getting started with papers. Health Sciences Library, University of Colorado, Anschutz Medical Campus, Aurora, CO; Mar 27, 2012. [Link to video](#)

Pascoe MA. Overview of human anatomy & the art of dissection with a historical perspective. BA/BS-MD Program, University of Colorado, Anschutz Medical Campus, Aurora, CO; Nov 17, 2011. [Link to video](#)

Pascoe MA. Web-based tools for today's researcher. Professional Skills, Department of Integrative Physiology, University of Colorado, Boulder, CO; Nov 14, 2011. [Link to video](#)

Pascoe MA. Social media & physical therapy. APTA Colorado Chapter Mile High District Sponsored Event, Regis University, Denver, CO; Jun 15, 2011. [Link to video](#)

Pascoe MA. The ultimate gift: donating your body to science. TEDxBoulder, Chautauqua Auditorium; Aug 7, 2010. [Link to video](#)

Pascoe MA. Motor unit function as the foundation of human movement. Physical Therapy Program, University of Colorado, Anschutz Medical Campus, Aurora, CO; Jul 9, 2010. [Link to video](#)

Pascoe MA. Age-associated changes in the final common pathway. Department of Integrative Physiology Seminar, University of Colorado, Boulder, CO; Apr 29, 2010. [Link to video](#)

Pascoe MA. Web-based resources for today's researcher. Professional Skills, Department of Integrative Physiology, University of Colorado, Boulder, CO; Sep 14, 2009. [Link to video](#)

Pascoe MA. Presenting your data. Online Presentation, Dept of Integrative Physiology, University of Colorado, Boulder, CO; May 14, 2009. [Link to video](#)

Funded/In Review Grant Activity:

Freedman JD (PI), Pascoe MA (Mentor). University of Colorado, Anschutz Medical Campus, School of Medicine, Academy of Medical Educators, Rymer Small Grants Program, 2021-2024. Onboarding Medical Students, Interns and Residents onto Surgical Services using a Wiki. \$3,000.

Zagona-Prizio C, (PI), Pascoe MA (Research Team), Maloney J (Mentor). University of Colorado, Anschutz Medical Campus, School of Medicine, Academy of Medical Educators, Rymer Small Grants Program, 2020-2023. Enhanced Cricothyrotomy Training Program for Critical Care and Emergency Physicians. \$3,138.

Harnke BD (PI), Pascoe MA (Participant). Colorado Dept of Higher Education, Building a Sustainable OER Initiative. Award # 193612, 2019-2020. An institutional grant to fund awareness and development of OER resources in higher education. Stipend awarded to Anschutz faculty based on an application process. \$250.

Lee LMJ (PI), Pascoe MA (Co-PI). University of Colorado, Anschutz Medical Campus, School of Medicine, Academy of Medical Educators, Rymer Small Grants Program, 2012-2015. Development and Evaluation of a Modular Anatomy Resource Utilizing Innovative Camera Technology. \$3,500.

Schwartz RS (PI), Enoka RM (faculty mentor), Pascoe MA (pre-doctoral fellow). University of Colorado Health Sciences Center Aging Training Grant 5T32-AG000279-08, 2008-2010. An institutional training grant to fund pre- and post-doctoral trainees at two University of Colorado campuses. Grant awarded to pre-doctoral trainees based on a competitive application process.

Other Scholarly Activities:

Zagona-Prizio C, Mann S, Mayer K, Pascoe MA, Maloney JP, Parsons B. (2020). Emergent Cricothyrotomy Training for Non-Surgeons (Version 1.0). Zenodo. <http://doi.org/10.5281/zenodo.4029816>

Member, Class of 2019 Cohort of the Teaching Scholars Program, Academy of Medical Educators, School of Medicine, University of Colorado Anschutz Medical Campus. Sep 2017-May 2019

Member, University of Colorado, Physical Therapy Program, Education Scholarship Group (ESG), 2019-present

Contributing Author, [PT Think Tank](#), 2010-2017

Faculty Curator, [School of Medicine Wiki](#), 2011-2018

Reviewer, [Medical App Journal](#), 2011-2015

Advisory Member, [kenHub Anatomy Trainer](#), 2013-present

Founding Contributor, [Anatomy Tree](#), 2013

Discussed “Teaching Anatomy with Technology” with visiting anatomy instructor Lucinda Bouillon, University of Findlay, Mar 18, 2014

Interviewed, “A PT Primer on Medical Marijuana: What a PT needs to know.” by Keith Loria, *PT in Motion Magazine*, [Feb 2018](#)

Interviewed, “Why social media matters for physiotherapists.” by Erik Froese, *InMotion*, Australian Physiotherapy Association, [Sept 2011](#)

Continuing Education Workshops Organized:

Allredge J, Tonick S, [Pascoe M](#). Anatomy review for gynecology residents, University of Colorado Anschutz Medical Campus, Aurora, CO; Aug 11, 2021.

Zagona-Prizio C, Mann S, Mayer K, [Pascoe M](#), Maloney J. Cricothyrotomy training for non-surgeons, University of Colorado Anschutz Medical Campus, Aurora, CO; Jun 17, 2021.

Zagona-Prizio C, Mann S, Mayer K, [Pascoe M](#), Maloney J. Cricothyrotomy training for non-surgeons, University of Colorado Anschutz Medical Campus, Aurora, CO; Feb 21, 2021.

Zagona-Prizio C, Mann S, Mayer K, [Pascoe M](#), Maloney J. Cricothyrotomy training for non-surgeons, University of Colorado Anschutz Medical Campus, Aurora, CO; Aug 2, 2020.

Black B, Freitas A, Swisher M, Williams N, James D, [Pascoe MA](#). Anatomy Joint Prosecution Presentation Day, CU Marquette Challenge Fund Raising Event, University of Colorado Anschutz Medical Campus, Aurora, CO; Aug 3, 2019.

Swisher M, Robeson K, James D, [Pascoe MA](#). Anatomy Joint Prosecution Presentation Day, CU Marquette Challenge Fund Raising Event, University of Colorado Anschutz Medical Campus, Aurora, CO; Aug 4, 2018. [CU PT Awarded 2nd Place Nationally]

Kruk E, Robeson K, James D, [Pascoe MA](#). Anatomy Joint Prosecution Presentation Day, CU Marquette Challenge Fund Raising Event, University of Colorado Anschutz Medical Campus, Aurora, CO; Aug 5, 2017. [CU PT Awarded 3rd Place Nationally]

[Pascoe MA](#). Document Camera Use in the Lecture Hall, Physical Therapy Program Faculty, University of Colorado Anschutz Medical Campus, Aurora, CO; Jan 22, 2016.

Edwards M, Gasell C, Pascoe MA. Student Cheating, Academy of Medical Educators, University of Colorado, Anschutz Medical Campus, Aurora, CO; Dec 2, 2014.

Epstein E, Pascoe MA, Cardenas W, Desantis M, Houghton V, Langdon A, Miller D, Ortiz S, Perry J, Williams L, Finkelstein G. Celebrating the 500th Birthday of Andreas Vesalius, Health Sciences Library, University of Colorado, Anschutz Medical Campus, Aurora, CO; Nov 19, 2014.

Pascoe MA. Making Modules with Mike, Physical Therapy Program, University of Colorado, Anschutz Medical Campus, Aurora, CO; May 15, 2014.

Robertson EK, Gagnon K, Pascoe MA. Teaching and Learning in a Digital Age: Using Technology to Enhance Physical Therapy Education, Combined Sections Meeting of the APTA, Las Vegas, NV; Feb 3, 2014.

Pascoe MA. Getting Started with Papers, Health Sciences Library, University of Colorado, Anschutz Medical Campus, Aurora, CO; March 27, 2012. [Link to video](#)

Johnson CJ, Bookstein NA, Pascoe MA. Upper Extremity Anatomy in Hi-Def, Denver Hand Special Interest Group. University of Colorado, Anschutz Medical Campus, Aurora, CO; May 2011.

Membership in Scientific/Professional Organizations:

Member, American Association for Anatomy, 2011-present

Faculty Partner Member, American Physical Therapy Association, 2011-present

Interprofessional Partner Member, Academy of Physical Therapy Education, American Physical Therapy Association, 2017-present

Member, Anatomy Special Interest Group (SIG), Academy of Physical Therapy Education, American Physical Therapy Association, 2017-present

Member, American Physiological Society, 2004-2015

Consultative and Advisory Positions Held:

Manuscript Reviewer (see [publons](#)):

- *Journal of Applied Physiology*
- *Experimental Brain Research*
- *Acta Physiologica*
- *Journal of Motor Behavior*
- *Anatomical Sciences Education*
- *BMC Medical Education*
- *JMIR Medical Education*
- *FASEB BioAdvances*

Official Scientific Meeting Social Media Correspondent:

- *Society for Neuroscience Annual Meeting, 2009*

- *Manipalooza Conference, 2011*
- *AAOMPT Annual Conference, 2011*
- *APTA Combined Sections Meeting, 2012*
- *IFOMPT International Conference, 2012*
- *IFAA International Congress, 2019*

Member, Social Media Task Force, APTA Colorado Chapter, 2012

Member, Student Social Media Guideline Development Working Group, University of Colorado, School of Medicine, 2012

Participant, Virtual Simulation in Nursing, Physical Therapy, and Pharmacy Education: Stakeholder Meeting, Regis University, Denver, CO; Jan 31, 2013

Member, New Website Development Task Force, AAA, September 2014

Began an initiative to celebrate the 500th anniversary of the birth of Andreas Vesalius with the University of Colorado Health Sciences Library, Nov 19, 2014.

Community Service, Positions Held:

Member, Board of Directors, Kids First Health Care, Commerce City, CO, 2013-2020

Member, Board of Directors, Westminster Area Community Awareness Action Team, Westminster, CO, May 2014-present

Chair, Board of Directors, Westminster Area Community Awareness Action Team, Westminster, CO, July 2012 – May 2014

Secretary, Board of Directors, Westminster Area Community Awareness Action Team, Westminster, CO, 2007 – July 2012

Community Service, Events Hosted/Attended:

Guest Lecture, Anatomy of the Hand, 60 students, Peak to Peak Charter School, Lafayette, CO; Nov 16, 2021

Cadaver lab field trip, 10 students from Cornerstone Christian Academy, Westminster, CO; Mar 5, 2019

Cadaver lab field trip, 10 students from Cornerstone Christian Academy, Westminster, CO; Apr 5, 2018

Cadaver lab field trip, 10 students from Peak to Peak Charter School, Lafayette, CO; Apr 5, 2018

Guest lecture, Anatomy on the Anschutz Medical Campus, 60 students, Peak to Peak Charter School, Lafayette, CO; Apr 14, 2017

Cadaver lab field trip, 10 students from Cornerstone Christian Academy, Westminster, CO;

Mar 2, 2017

Cadaver lab field trip, 24 students participating in the CU Science Discovery Med School Experience; Aug 5, 2016

Guest lecture, Anatomy on the Anschutz Medical Campus & Upper Extremity Anatomy, Medical Professions Summer Camp, School of Medicine, Anschutz Medical Campus, Jun 22, 2016

Cadaver lab field trip, 4 students from Cornerstone Christian Academy, Westminster, CO; Feb 8, 2016, [AAA Newsletter Coverage](#), April 2016

Cadaver lab field trip, 17 students participating in the CU Science Discovery Med School Experience; Jul 29, 2015

Cadaver lab field trip, 6 students from Cornerstone Christian Academy, Westminster, CO; Oct 31, 2014

Cadaver lab field trip, 15 students from Cornerstone Christian Academy, Westminster, CO; Dec 3, 2012

9 Health Fair, Physical Therapy Screening, Station Assistant, Denver, CO, 2011

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

Secretary Treasurer, Colorado State Anatomical Board, 2018-2019

Assistant Secretary, Colorado State Anatomical Board, 2015-2018

Chair, PT Tutoring Task Force, 2020-present

Director, PT Social Media, 2011-2017

Chair, PT Scheduling Committee, 2012-2019

Chair, Communication Committee, 2012-2013

Member, PT Professional Portfolio Task Force, 2012-2019

Member, Communication Committee, Aug 2013-present

Member, CU Online Innovator Award Committee, 2016-present

Service on Student Project Committees:

Capstone Project Mentor, Modern Human Anatomy Program, Cell & Developmental Biology, student Natasha Rousseau; Aug 2018-May 2019

Capstone Project Mentor, Modern Human Anatomy Program, Cell & Developmental Biology, student Hiba Eltom; Jun 2018-Dec 2018

Member, Comprehensive Exam & Dissertation Committees, Rehabilitation Science Program, Physical Therapy Program, student Brian Loyd; Dec 2015-Nov 2017

Capstone Project Mentor, Modern Human Anatomy Program, Cell & Developmental Biology, student Kourtney Betts; Jun 2015-May 2016

Capstone Project Mentor, Modern Human Anatomy Program, Cell & Developmental Biology, student Johnna Diouf; Jun 2015-May 2018

Honors and Awards:

Publication selected for [Editorial Review](#) in Medical Science Educator, March 24, 2021.

Best Poster Abstract, 7th Annual Education Innovation and Scholarship Symposium, Academy of Medical Educators, May 2019

Kaiser Permanente Outstanding Basic Science Teacher, School of Medicine, May 2015

CUOnline Innovator Award, May 2015. [Coverage](#)

Artwork selected for inclusion in [The Human Touch](#), Volume 8, 2015. [Link to PDF](#)

Research article featured as cover photo for Anatomical Sciences Educator, [Jul/Aug 2020; 13 \(4\)](#)

Artwork selected as cover image for Experimental Physiology, [October 2014; 99 \(10\)](#)

Artwork selected as cover image for Journal of Neurophysiology, [February 2011; 105 \(2\)](#)

AmeriCorps Service Scholarship, University of Colorado, Boulder (\$1,000), 2008-2009

Dean's List, University of Colorado, Boulder, CO, 2003-2004

Continuing Education Attended:

Trust in Healthcare Education, Grand Rounds, Academy of Medical Educators, University of Colorado Anschutz Medical Campus, Aurora, CO; Aug 10, 2021

Annual Conference of the American Association of Anatomists, Virtual; Apr 27-30, 2021

Combined Sections Meeting of the APTA, Virtual; Feb 2021

Equity Certificate Program, University of Colorado Anschutz Medical Campus, Virtual; 4 Sessions Jan-Mar, 2021

Twittiverse & More: Using Social Media to Promote Your Research, ACCORDS Lunch & Learn, University of Colorado Anschutz Medical Campus, Virtual; Jan 28, 2021

The 19th Congress of the International Federation of Associations of Anatomists. London, UK; Aug 9-11, 2019

Transforming the Learning Environment in Biomedical Education. University of Nebraska Medical Center, Omaha, NE; May 30, 2019

CU Online Spring Symposium, The Great Hall, CU South Denver, Lone Tree, CO; May 16, 2019

Open Educational Resources (OER) at the University of Colorado, Strauss Health Sciences Library, University of Colorado Anschutz Medical Campus, Aurora, CO; Apr 16 & 25, 2019

Combined Sections Meeting of the APTA, Washington DC; Jan 23-26, 2019

Combined Sections Meeting of the APTA, New Orleans, LA; Feb 21-24, 2018

Protocol Development Workshop Series, University of Colorado Anschutz Medical Campus, Aurora, CO; weekly from Jan 8 - Mar 5, 2018

Don't forget! Retrieval practice as a tool for long-term retention, Designing self-regulated learning interventions to influence daily practice, Academy of Medical Educators, University of Colorado Anschutz Medical Campus, Aurora, CO; Dec 14, 2017

Practical Strategies to Become an Adaptive Expert, Academy of Medical Educators, University of Colorado Anschutz Medical Campus, Aurora, CO; Oct 16, 2017

Participant of iTeach Voluntary Faculty Peer Mentoring, Academy of Medical Educators, University of Colorado Anschutz Medical Campus, Aurora, CO; Aug 3, 2017

Junior Faculty Career Promotion Retreat, School of Medicine, University of Colorado Anschutz Medical Campus, Aurora, CO; Jun 2, 2017

CU Online Spring Symposium, Student Commons Building, Auraria Campus, Denver, CO; May 18, 2017

Annual Conference of the American Association of Anatomists, Chicago, IL; Apr 22-26, 2017

Submitting to MedEdPORTAL: A Hands-On Workshop, Academy of Medical Educators, University of Colorado Anschutz Medical Campus, Aurora, CO; Mar 16, 2017

Teaching Strategies to Promote Active Student Engagement and Better Learning, Graduate School, University of Colorado Anschutz Medical Campus, Aurora, CO; Mar 7, 2017

Analytics in Decision-Making: Learners, Learning & Life, Academy of Medical Educators, University of Colorado Anschutz Medical Campus, Aurora, CO; Oct 18, 2016

Visible Human Dissector and Sectra Table User's Meeting, University of Colorado Anschutz Medical Campus, Aurora, CO; Jul 14, 2016

CU Online Spring Symposium, Student Commons Building, Auraria Campus, Denver, CO;

May 19, 2016

Active Learning: Three Easy Ways to Bring Active Learning into your Lecture, Academy of Medical Educators, University of Colorado Anschutz Medical Campus, Aurora, CO; Apr 11, 2016

Copyright: Fact or Fiction, Health Sciences Library, University of Colorado Anschutz Medical Campus, Aurora, CO; Apr 7, 2016

Annual Conference of the American Association of Anatomists, San Diego, CA; Apr 2-5, 2016

Combined Sections Meeting of the APTA, Anaheim, CA; Feb 17-20, 2016

Winter Web Camp, CUOnline, Denver, CO; Jan 14, 2016

Grant Writing Basics for Health Professions Educators, Faculty Development, Academy of Medical Educators, University of Colorado Anschutz Medical Campus, Aurora, CO; Oct 20, 2015

CU Online Spring Symposium, Liniger Building, CU South Denver, Parker, CO; May 20, 2015

New Faculty Career Development Workshop, School of Medicine, University of Colorado Anschutz Medical Campus, Aurora, CO; Mar 5, 2015

Finance 101: Navigating Funds Flow in Academic Medical Centers, Academy of Medical Educators, School of Medicine, University of Colorado Anschutz Medical Campus, Aurora, CO; Feb 25, 2015

Education Scholarship and Innovation Symposium, Academy of Medical Educators, School of Medicine, Aurora, CO; Feb 11, 2015

Leadership 101 Series: Strategic Planning, Academy of Medical Educators, University of Colorado, Anschutz Medical Campus, Aurora, CO; Jan 21, 2015

Winter Web Camp, CUOnline, Denver, CO; Jan 13-16, 2015

Leadership 101 Series: Conflict Management, Academy of Medical Educators, University of Colorado, Anschutz Medical Campus, Aurora, CO; Dec 2, 2014

Leadership 101 Series: Negotiation, Academy of Medical Educators, University of Colorado, Anschutz Medical Campus, Aurora, CO; Oct 29, 2014

Promotion 101, Steven Lowenstein, MD, University of Colorado, Anschutz Medical Campus, Aurora, CO; Oct 16, 2014

CU Online Spring Symposium, Tivoli Student Union, Denver, CO; May 22, 2014

Teaching with Technology Symposium, ASSETT, Glenn Miller Ballroom, UMC, University of Colorado, Boulder, CO; Apr 28, 2014

Combined Sections Meeting of the APTA, Las Vegas, NV; Feb, 2014

Winter Web Camp, CUOnline, Denver, CO; Jan 14-16, 2014

Scientific Writing from the Reader's Perspective, Dr. George Gopen, Colorado Clinical & translational Sciences Institute (CCTSI), Anschutz Medical Campus, Aurora, CO; Mar 11, 2013

Combined Sections Meeting of the APTA, San Diego, CA; Jan, 2013

1st Annual Educational Scholarship and Innovations Symposium, Aurora, CO; Nov 12, 2012

APTA/Colorado Chapter's 22nd Annual Fall Convention & PT Expo, Arvada, CO; Nov 10, 2012

International Federation of Orthopedic Manipulative Physical Therapists (IFOMPT), Quebec City, Quebec, Canada; Oct 1-5, 2012

How to Lecture so that Your Students Actually Learn, Dr. JJ Cohen, Aurora, CO; Sep 20, 2012

CU Online Spring Symposium, Tivoli Student Union, Denver, CO; May 17, 2012

Giving Effective Feedback, Aurora, CO; Apr 5, 2012

Constructing Written Test Questions, Aurora, CO; Mar 1, 2012

Combined Sections Meeting of the APTA, Chicago, IL; Feb, 2012

iPads in Education, Assistive Technology Partners, Aurora, CO; Jan 13, 2012

Annual Conference of the American Academy of Orthopaedic Manual Physical Therapists (AAOMPT), Anaheim, CA; Oct, 2011

Annual Conference of the American College of Sports & Medicine, Denver, CO; Jun, 2011

Manipalooza, Aurora, CO; May, 2011

CU Online Spring Symposium, Aurora, CO; May, 2011

APTA/Colorado Chapter's 41st Annual Spring Convention & PT Expo, Arvada, CO; Apr, 2011

Combined Sections Meeting of the APTA, New Orleans, LA; Feb, 2011

Colorado Manipalooza, Aurora, CO; Jan, 2011

Colorado Learning and Teaching with Technology Conference, Boulder, CO; Aug, 2010

Annual Conference of the Society for Neuroscience, Chicago, IL; Oct, 2009

Mechanisms of Plasticity and Disease in Motor Neurons Conference, Seattle, WA; 2008

Annual Conference of the Society for Neuroscience. Washington, DC; Nov, 2008

Annual Conference of the Society for Neuroscience. Atlanta, GA; Nov, 2006

Annual Conference of the American College of Sports & Medicine, Denver, CO; Jun, 2006

Active Dendrites in Motor Neurons Conference, Boulder, CO; Jun, 2004

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

DPTR 5001	Clinical Anatomy I	Course director, 2015-2020 (6 credit hours)
DPTR 5001	Clinical Anatomy I	Course director, 2021-present (5 credit hours)
DPTR 6002	Clinical Anatomy II	Course director, 2014-present (3 credit hours)