CURRICULUM VITAE

Name: Mike Pascoe, PhD
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Name of Educational Program and Institution: Physical Therapy Program and Cell & Developmental Biology, University of Colorado Denver, Anschutz Medical Campus

Education:

University of Colorado, Boulder, CO	PhD in Neurophysiology	2007-2010
University of Colorado, Boulder, CO	MS in Integrative Physiology	2005-2006
University of Colorado, Boulder, CO	BA in Kinesiology	2000-2004

Licensure Information/Registration Number:

N/A

Certifications:

N/A

Employment and Positions Held:

2011-present	Senior Instructor, Physical Therapy Program, University of Colorado Denver, Anschutz Medical Campus, Aurora, CO
2011-present	Senior Instructor, Cell & Developmental Biology, University of Colorado Denver, Anschutz Medical Campus, Aurora, CO
2005-2010	Graduate Teaching Assistant, Neurophysiology of Movement Lab, Dept Integrative Physiology, University of Colorado, Boulder, CO.
2005-2010	Graduate Research Assistant, Neurophysiology of Movement Lab, Dept Integrative Physiology, University of Colorado, Boulder, CO.
2004	Professional Research Assistant, Neural Control of Movement Lab, Dept Kinesiology, University of Colorado, Boulder, CO.

Peer Reviewed Publications:

Pascoe MA, Holmes MR, Enoka RM. Discharge characteristics of biceps brachii motor units at recruitment when older adults sustained an isometric contraction. *J Neurophysiol.* 2010 Dec 15. [Epub ahead of print]

Marmon AR, Pascoe MA, Schwartz RS, Enoka RM. Associations among strength, steadiness, and hand function across the adult life span. *Med Sci Sports Exerc.* 2010 Aug 2. [Epub ahead

of print]

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 old 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:

Pascoe MA, Gould JR, Enoka RM. Motor unit activity at recruitment when young and old adults support compliant loads. Medicine and Science in Sports and Exercise: S000, 2011.

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. Motoneurones 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. Motoneurones 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 38: S000, 2006.

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 38: S000, 2006.

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.

Abstracts:

See Peer Reviewed Scientific and Professional Presentations

Non-Peer Reviewed Publications:

N/A

Non-Peer Reviewed Presentations [Invited Lectures]:

Pascoe MA. The ultimate gift: donating your body to science. TEDxBoulder, Chautauqua Auditorium; Aug 7, 2010.

Pascoe MA. Motor unit function as the foundation of human movement. Physical Therapy Program, University of Colorado, Denver, CO; Jul 9, 2010.

Pascoe MA. Age-associated changes in the final common pathway. Department of Integrative Physiology Seminar, University of Colorado, Boulder, CO; Apr 29, 2010.

Funded/In Review Grant Activity:

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 trainees based on a competitive application process.

Other Research and Scholarly Activity:

N/A

Continuing Education Workshops Conducted/Organized:

N/A

Membership in Scientific/Professional Organizations:

- Member, American Physiological Society, 2004-present
- Member, Society for Neuroscience, 2008-present

Consultative and Advisory Positions Held:

Manuscript Reviewer:
- *Journal of Applied Physiology,* 2010-present
- *Experimental Brain Research,* 2010-present
- *Acta Physiologica,* 2010-present

Scientific Meeting Correspondent:
- *Society for Neuroscience Annual Meeting 2009*

Community Service:

Secretary and Webmaster, Board of Directors, Westminster Area Community Awareness Action Team, Westminster, CO, 2007-present

9 News Health Fair - Physical Therapy Screening, Station Assistant, Denver, CO, 2010

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

Other schools / Departments in the University:

Graduate Advisor, Student Board, Dept Integrative Physiology, University of Colorado, Boulder, CO, 2005-2010.

Summer Undergraduate Research Experience Program Mentor, Dept Integrative Physiology, University of Colorado, Boulder, CO, Summer 2006.

Physical Therapy Program:

N/A

Honors and Awards:

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

Continuing Education Attended:

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

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 Program:

Summer Semester:

DPTR 5001: Clinical Anatomy I, Co-coordinator (5.0 Credits)

DPTR 6002: Clinical Anatomy II, Co-coordinator (3.0 Credits)

MPAS 5100: Human Anatomy, Co-coordinator (5.0 Credits)

Current Teaching Responsibilities in the Post-Professional Program:

N/A