

CURRICULUM VITAE

TAMARA EICHELBERGER

Azusa Pacific University – Doctor of Physical Therapy

Education:

Institution	Location	Duration of Study	Field of Study	Degree Received and date
University of Iowa	Iowa City, IA	08/00 to 12/05	Physical Rehabilitation Science	Ph.D. Dec 2005
University of Iowa	Iowa City, IA	08/96 to 12/98	Physical Therapy	M.P.T. Dec 1998
Coe College	Cedar Rapids, IA	8/92 to 5/96	Biology and Physical Education	B.A. May 1996

Licensure Information/Registration Number:

California P.T.- License #29950

Certifications:

Certified Strength and Conditioning Specialist (CSCS)
Board Certified Neurologic Clinical Specialist (NCS)

Employment and Positions Held:

Assistant Professor	Azusa Pacific University	Azusa, CA	January 2013-present
Associate Professor	University of St. Augustine for Health Sciences	San Diego, CA	January 2011 – May 2012
Adjunct Assistant Professor	Samuel Merritt University	Oakland, CA	January 2007 – August 2010
Adjunct Assistant Professor	Ohlone Community College	Freemont, CA	August 2007 – December 2009

Peer Reviewed Publications:

T. Eichelberger, M. Bilodeau. Central fatigue of the first dorsal interosseous muscle during low-

force and high-force sustained submaximal contractions. *Clinical Physiology and Functional Imaging*. Vol. 27 (5), 298-304, September, 2007.

Peer Reviewed Scientific and Professional Presentations:

T. Eichelberger, J Lwin. Reported Confidence of Newly Graduated Physical Therapists to Independently Perform Manual Therapy and Provide Unrestricted Direct Access: A Survey of Physical Therapists. Poster Presentation, APTA Combined Sections Meeting, Las Vegas, NV, February 2014.

T. Eichelberger, J Lwin. Reported Confidence of Newly Graduated Physical Therapists to Independently Perform Manual Therapy and Provide Unrestricted Direct Access: A Survey of Physical Therapists. Platform Presentation, American Academy of Orthopaedic Manual Therapists Annual Conference, Cincinnati, OH, October 2013.

T. Eichelberger, M. Bilodeau. Age Effects on Fatigue-Related Changes of Peripheral Measures of Muscle Function in a Dominant and Non-Dominant Hand Muscle. Poster Presentation, APTA Combined Sections Meeting, San Diego, CA, February 2006.

D. Williams, T. Eichelberger, M. Bilodeau. The Effect of Fatigue and Strength Training on the Level of Voluntary Activation of the Quadriceps Muscle Group. Poster Presentation, APTA Combined Sections Meeting, New Orleans, LA, February 2005.

T. Eichelberger, M. Bilodeau. Changes in Voluntary Activation of the First Dorsal Interosseous Muscle with Low, Moderate, and High Force Fatiguing Contractions. Platform Presentation, International Society of Electrophysiology and Kinesiology, XVth Congress, Boston, MA, June 2004.

D. Williams, T. Eichelberger, M. Bilodeau. Fatigue-Related Changes in Muscle Activation Patterns of Healthy Adults and Following a Stroke. Platform Presentation, APTA Combined Sections Meeting, Nashville, TN, February 2004.

D. Williams, T. Eichelberger, M. Bilodeau. Fatigue-Related Changes in Selected Features of Voluntary Motor Output Following a Stroke. Platform Presentation, APTA Combined Sections Meeting, Tampa, FL, February 2003.

T. Eichelberger, M. Bilodeau. Mechanisms of Fatigue in the First Dorsal Interosseous Muscle in Different Tasks. Poster Presentation, Society for Neuroscience Annual Meeting, San Diego, CA, November 2001.

T. Eichelberger, L. Jensen, N. Nigg, J. Simonsen. The Effects of Visual Targeting on Gait Kinematics and Kinetics. Poster Presentation, APTA Combined Sections Meeting, Seattle, WA, February 1999.

Abstracts:

Non-Peer Reviewed Presentations:

T. Eichelberger, Speaker, *Balance, Fall Prevention, and Functional Balance and Gait Tests:*

Review of Literature. Kaiser Permanente Northern California Home Health Rehabilitation Symposium, in affiliation with Samuel Merritt College, Oakland, CA, March 2007.

Funded/In Review Grant Activity:

Authorship	Nature	Funding	Date
Co-Investigator	The Significance of Central Fatigue Following a Stroke, American Heart Association	\$50,000.00	June 2001- Dec 2005
Co-Investigator	Age and Strength Training Effects on Central Fatigue, Carver Medical Research Initiative Grant	\$5000.00	Jan 2002- Dec 2005

Current/Active Research Activity:

Co-Investigator	Incidence of Breast Injury in Female Collegiate Athletes	None	October 2013- present
Principle Investigator	The Effects of Age on Dominance-Related Neuromuscular Fatigue Characteristics	None	May 2014 - present

Membership in Scientific/Professional Organizations:

American Physical Therapy Association
 Member - Neurology Section
 Member - Research Section
 California Physical Therapy Association

Consultative and Advisory Positions Held:

American Board of Physical Therapy Specialties
 Specialization Academy of Content Experts (SACE)
 Item Writer-Neurology Section

Community Activities:

Title or Nature of Agency	Nature of Position	Duration
Bel Air Presbyterian Church	Usher/Greeter	October 2013- present
CPTA Booth, Amgen Tour of Southern CA	Volunteer	May, 2014

Alzheimer's Fundraising Walk, Silicon Valley Alzheimer's Association	Team Captain	October, 2010
Fall Interdisciplinary Team, Pathways Home Health and Hospice	Member	June-November 2010
Power Lifting, Special Olympics, Silicon Valley District	Volunteer Coach	August-December 2006

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

Member - Doctoral Faculty June 2013-present
Scholarship and Resources
Committee - School of
Behavioral and Applied
Sciences

Honors and Awards:

Continuing Education:

Neuroanatomical Dissection Course: Human Brain and Spinal Cord. Marquette University,
Milwaukee, WI, July 17-19, 2014

APTA Combined Sections Meeting, Las Vegas, NV, February, 2014:
Specialization Academy of Content Experts Item Writing Workshop
Writing with the Editors
Enhancing Educational Research
Evaluation and Management of Impairments Following TBI
Enhancing Motor Performance and Learning
Implementation of a Multidisciplinary Concussion Care Path
Error, Ethics and Evidence in Rehab Research
Research Funding Symposium
Outcomes Toolbox: MDC and MCID

APTA Combined Sections Meeting, San Diego, CA, January, 2013:
Learning to Modify Functional Motor Performance, Balance and Fall Risk. Part 1
Tools to Help You Run A Journal Club Next Week
Degenerative Disease SIG Presentation
Write a Cochrane Review and Have A Far Reaching Impact
Problem-Based Learning Strategies in PT Curricula and Clinical Practice
Video Analysis of Eye Movements
Exercise Interventions Targeting Neuroplasticity and Neuroprotection
Neglect: Current Concepts in Assessment and Treatment

CPTA Annual Conference, Pasadena, CA, September, 2013:
Concussions and Brain Injury: Acute, Subacute and Chronic Mechanisms and Considerations
Concussion in Sports: Essentials of Clinical Management

Return to Play: Strategies for Typical and Atypical Concussion Cases
The Body Electric: Your Guide to Functional Dissection of the Nervous System
Ethics Forum

CPTA Annual Conference Long Beach, CA, September, 2011:
Ethics, Laws, and Regulations
Neurologic Toolbox
Identifying Central Pain Manifestations

Neurological Emergencies. San Jose, CA, October 29, 2010

The Ultimate One-Day Diabetes Course. Palo Alto, CA, February 25, 2010

Strength Training and Exercise for the Aging Spine. March 19, 2010. San Francisco, CA

Current Management Strategies for Neuromuscular and Neurodegenerative Disorders. December 3, 2009

Physical Therapy Diagnosis for Balance Problems. Stanford University, August 20, 2009

Kaiser Permanente 2009 Rehabilitation Symposium. Oakland, CA, May 16, 2009

Current Teaching Responsibilities in the Physical Therapy Program:

Spring I	Seminar I (2 units)
Spring II	Research I (1 unit), Pediatrics (Instructor/Coordinator) (4 units)
Summer	Research II (2 units), Special Topics (Coordinator) (3 units)
To begin Fall I	Neuroscience I (3 units)
To begin Fall II	Neuroscience II (3 units)