

MARIE HOEGER BEMENT, P.T., PH.D.

Associate Professor
Marquette University
Department of Physical Therapy
P.O. Box 1881
Milwaukee, Wisconsin 53201

Phone: 414-288-6738
Fax: 414-288-5987
Email: mariehoeger.bement@marquette.edu

EDUCATION

- 2004 Doctor of Philosophy
 Physical Rehabilitation Science
 University of Iowa
 Iowa City, Iowa
- 1997 Master of Physical Therapy
 University of Iowa
 Iowa City, Iowa
- 1994 Bachelor of Arts
 General Science Major, Biology Minor
 University of Northern Iowa
 Cedar Falls, Iowa

PROFESSIONAL EXPERIENCE

- 2014 Certified Exercise Expert for Aging Adults
 Academy of Geriatric Physical Therapy
 American Physical Therapy Association
- 2004-pres Assistant Professor (promoted to Associate in 2012)
 Marquette University
 Department of Physical Therapy
 Milwaukee, Wisconsin
- 2002-2004 Predoctoral Fellow with K. Sluka
 University of Iowa
 Physical Therapy Department
 Iowa City, Iowa
- 2000-2002 Teaching and Laboratory Assistant
 University of Iowa
 Physical Therapy Department
 Iowa City, Iowa
- 1998-2000 Physical Therapist
 Genesis Medical Center
 Bettendorf, Iowa
 Illinois License # 70010766

PUBLICATIONS

1. Kolkhorst FW, Broshears CL, **Hoeger** MK, Thurman CL. Effect of a sport food bar on lipolysis and fat oxidation during prolonged exercise. *Sports Medicine, Training and Rehabilitation*, 9(1):71-78, 1999.

2. **Hoeger Bement** MK, Sluka KA. Repeated intramuscular acid injections produce cAMP-dependent hyperalgesia and CREB phosphorylation in a time-dependent manner. *Journal of Neuroscience*, 23(13):5437-5445, 2003.
3. **Hoeger Bement** MK, Radhakrishnan R, Skyba DS, Sluka KA. Musculoskeletal pain: central mechanisms. *Seminars in Pain Medicine*, 1:139-149, 2003.
4. Radhakrishna R, **Bement** MKH, Skyba DA, Kehl LJ, Sluka KA. Models of muscle pain: carrageenan model and acidic saline model. *Current Protocols in Pharmacology*, 5.35.1-5.35.27, 2004.
5. Skyba DA, Radhakrishnan R, **Hoeger Bement** MK, Sluka KA. The cAMP pathway and pain: potential targets for drug development. *Drug Discovery Today: Disease Models*, 1(2):115-119, 2004.
6. **Hoeger Bement** MK, Sluka KA. Low intensity exercise reverses chronic muscle pain in the rat in a naloxone dependent manner. *Archives of Physical Medicine and Rehabilitation*, 86(9):1736-1740, 2005.
7. **Hoeger Bement** MK. Sex differences in pain perception. Pain Management Special Interest Group. *Orthopaedic Physical Therapy Practice*, 18(4):53-55, 2006.
8. **Hoeger Bement** MK, Sluka KA. Co-localization of p-CREB and p-NR1 in spinothalamic neurons in a chronic muscle pain model. *Neuroscience Letters*, 418(1):22-27, 2007.
9. **Hoeger Bement** MK, DiCapo J, Rasiarmos R, Hunter SK. Dose-response of isometric contractions on pain perception in healthy adults. *Medicine & Science in Sports & Exercise*, 40(11):1880-1889, 2008.
10. **Hoeger Bement** M, Rasiarmos R, DiCapo J, Lewis A, Keller M, Harkins A, Hunter S. The role of the menstrual cycle phase in pain perception before and after an isometric fatiguing contraction. *European Journal of Applied Physiology*, 106(1): 105-112, 2009.
11. **Hoeger Bement** MKH, Weyer A, Hartley S, Yoon T, Hunter SK. Fatiguing exercise attenuates pain-induced corticomotor excitability. *Neuroscience Letters*, 452(2): 209-213, 2009.
12. Lemley K, **Hoeger Bement** MK. Do opioids alone explain exercise-induced hypoalgesia? Pain Management Special Interest Group. *Orthopaedic Physical Therapy Practice*, 21(4):168-170, 2009.
13. **Hoeger Bement** MK, Weyer A, Keller A, Harkins A, Hunter SK. Anxiety and stress can predict pain perception following a cognitive stress. *Physiology and Behavior*, 101(1):87-92, 2010.
14. Cote J, **Hoeger Bement** MK. Update on the relation between pain and movement: consequences for clinical practice. *Clinical Journal of Pain*, 26(9):754-762, 2010.
15. **Hoeger Bement** MK, Weyer A, Hartley S, Drewek B, Harkins AL, Hunter SK. Pain perception after isometric exercise in women with fibromyalgia. *Archives of Physical Medicine and Rehabilitation*, 92(1):89-96, 2011.
16. Stolzman S, **Hoeger Bement** MK. Inflammatory markers in pediatric obesity: health and physical activity implications. *Infant, Child, and Adolescent Nutrition*, 4(5): 297-302, 2012.
17. Senefeld J, Yoon T, **Hoeger Bement** MK, Hunter SK. Fatigue and recovery from dynamic

- 107-13, 2014.
22. Lemley KJ, Hunter SK, **Hoeger Bement** MK. Conditioned pain modulation predicts exercise-induced hypoalgesia in healthy adults. *Medicine & Science in Sports & Exercise*, 47(1): 176-84, 2015.
 23. **Hoeger Bement** M, Sluka KA. The current state of physical therapy pain curriculum in the USA: A Faculty Survey. *Journal of Pain*, 16(2): 144-52, 2015.
 24. Maxwell Pereira H, Spears VC, Schlinder-Delap B, Yoon T, Harkins A, Nielson K,

7. **Hoeger Bement** MK, Rasiarmos RL, DiCapo JM, Griffith EE, Hunter SK. Sex differences and reductions in pressure-

Inflammatory Markers, Physical Fitness, and Pain in Children

\$49,861

Primary Investigator

12. Summer Faculty Fellowship and Regular Research Grant (2013)

Marquette University

Importance of Exercise Type and Mechanisms Responsible for Pain Relief in the
Management of Chronic Pain

\$9400

18. Understanding the Impact of Pain on Age. Peoples Memorial Hospital Auxiliary, Independence, IA, October 2009.
19. Exercise for Pain Management. College of Health Sciences Summer Research Program, Marquette University, Milwaukee, WI, June 2013.
20. Exercise as Medicine: Optimizing Health and Wellness. College of Health Sciences Marquette Presents Series, Milwaukee, WI, January 2014.
21. Translating Evidence-Based Exercise Research to the Clinic. Clement J. Zablocki VA Medical Center, Milwaukee, WI, October 2014.
22. Obesity: Myths, Facts, and What Everyone Should Know, College of Health Sciences Marquette Presents Series, Milwaukee, WI, February 2015.

Regional

1. Exercise and Pain Management. Continuing Education Course, Marquette University, Milwaukee, WI, July 2006.
2. Central Sensitization: A Commonly Misunderstood Pain Phenomenon. Continuing Education Course, Marquette University, Milwaukee, WI, July 2007.

International

1. Neurobiology of Pain and Exercise. Pain and Movement Special Interest Group, International Association for the Study of Pain in conjunction with the Irish Pain Society, Dublin, Ireland, August 2008.
2. Nonpharmacological Treatments for Pain: Current Evidence. 12th World Congress on Pain, International Association for the Study of Pain, Glasgow, Scotland, August 2008.
3. Physical Activity and Chronic Pain: From Cells to-3(0)-3(0 TJ-3(m CF)-34so)-3(f)-Tm(a)-3(n)-3(d)-Bm[N]-20

Faber Center for Ignatian Spirituality, Advisory Council Member (2007-2009)

Subcommittee on Equity, College of Health Sciences Representative (2010-2012)

National Research Service Award Panel, Office of Research and Sponsored Programs,
Marquette University, October 2014

MS/PhD Committee Member

Kevin Garrison, Ph.D. Committee Member, Department of Biomedical Engineering (2006)

Kathy Lemley, Ph.D. Advisor, Interdisciplinary PhD Program (2008-2014)

Alyson Cybulski, M.S. Committee Member, Clinical Translation Rehabilitation Health
Sciences (2013)

Stacy Stolzman, Ph.D. Advisor, Clinical Translation Rehabilitation Health Sciences
(2011-2015). As a PhD candidate in my laboratory, Dr. Stolzman received the following