

CURRICULUM VITAE

Marcella J. Myers

Office Address

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Education

- PhD* Aug 1995, University of Wisconsin, Madison, Zoology (major), Physiology & Kinesiology (minor),
“Are animal limbs designed to minimize the metabolic cost of locomotion?” (dissertation)
- MS* Dec 1983, University of Wisconsin, Madison, Zoology (major), Physiology & Kinesiology (minor),
“Effect of limb mass and its distribution on the energetic cost of running” (thesis)
- BS* May 1980, University of Wisconsin, Madison, Zoology (major)

Experience

- 08/14 to 06/17 *Co-Chair*, Biology Department, St. Catherine University, St. Paul, MN
- 06/12 to present *Carondelet Scholar*, St. Catherine University, St. Paul, MN
- 08/11 to present *Director*, Women’s Health Integrative Research (WHIR) Center, St. Catherine University,
St. Paul, MN
- 08/11 to present *Professor*, Biology Department, St. Catherine University, St. Paul, MN
- 06/09 to 06/12 *Endowed Professor in the Sciences*, St. Catherine University, St. Paul, MN
- 08/04 to 08/11 *Associate Professor*, Biology Department, St. Catherine University, St. Paul, MN
- 08/99 to 08/04 *Assistant Professor*, Biology Department, College of St. Catherine, St. Paul, MN
- 07/98 to 08/99 *Associate Faculty Associate*, Chair of Organismal Biology Laboratory, Co-Chair Cellular
Biology Laboratory, Biology Core Curriculum, University of Wisconsin, Madison, WI
- 07/96 to 07/98 *Assistant Faculty Associate*, Chair of Organismal Biology Laboratory, Co-Chair Cellular
Biology Laboratory, Biology Core Curriculum, University of Wisconsin, Madison, WI
- 10/95 to 07/96 *Research Associate*, Assistant Project Coordinator: HERITAGE Project, Department of
Kinesiology, University of Minnesota, Minneapolis, MN
- 03/90 to 06/90 *Visiting Instructor*, Biology Department, Carleton College, Northfield, MN
- 06/85 to 08/87 *Zoology Lab Coordinator, Instructor*, Summer Enrichment Program for Minority Middle
School Students, University of Wisconsin, Madison, WI
- 09/80 to 05/87 *Graduate Teaching Assistant*, Zoology, Biology Core Curriculum, University of
Wisconsin, Madison, WI

Grants / Awards

- PI “Does the Stride Length/Stride Frequency Combination Used Determine the Shape of the Cost of Transport Curve for Walking?” 3M Small Scale Faculty/Student Collaborative Grant. Summer 2017. \$2,500 (with Jacqueline Brine-Doyle and Sarah Garcia).
- Co-PI “The Gaiter™: Testing how well a new 4-wheel, pivoting walker promotes natural walking movements.” APDC Research and Scholarly Activities Grant/Legacy Fund. Spring 2016. \$5,500 (with Deborah Madanayake, Alvina Brueggemann).
- Co-PI “Examining the Outcomes of a Supplemented Matter of Balance Program.” Retirement Research Foundation. Submitted February 2015 (not funded). \$ 155,237 (with Drs. Kathleen Matuska and Lisa Dutton).
- Co-PI “A Pilot Study on a Supplemented MOB© Program.” APDC Faculty Research & Scholarly Activities Grant. Spring 2015. \$2,461 (with Drs. Kathleen Matuska and Lisa Dutton).
- Awardee Research and Creative Work on Women Award, Collaborative Research Category, Abigail Quigley McCarthy Center for Women, St Catherine University, April 23, 2014 (with Anna Myhre and Cara Wall-Scheffler).
- PI “Where to Carry Kids? A Comparison of Women and Men during Walking.” 3M Large Scale Faculty/Student Collaborative Grant 212607. July 6, 2010-July 31, 2013. \$55,171 (with Lindsey Barton, Kelsey Boeff, Alice Fasnacht, Quinn Halverson, Alexandra Kennedy, Melvina Kpanquoi, Molly Lovstad, Anna Myhre, Laura Stearns, Drew Thao and Cara Wall-Scheffler)
- PI “Thermoregulation in Early Human Infants: Effect of Temperature, Wind Speed, and Skin-to-Skin Contact (“Hot Babies”).” 3M Small Scale Faculty/Student Collaborative Grant 800719. Summer 2009. \$2,000 (with Anna Heithoff)
- PI “Belly Mass in Walking Women: Effect of Loads on Kinematics and Energetics.” 3M Small Scale Faculty/Student Collaborative Grant 800718. Summer 2009. \$2,000 (with Kelsey Boeff)
- Awardee Endowed Professor in the Sciences. St. Catherine University. June 1, 2009-May 31, 2012
- PI “Belly mass in walking women: Effect of loads on kinematics and energetics.” NIH EARDA Grant G11 HD039786.. 2007-2008. \$12,325 (with Cara Wall-Scheffler)
- PI “Belly Mass in Walking Women: Effect of Loads on Kinematics and Energetics.” 3M Small Scale Faculty/Student Collaborative Grant 800707. Summer 2007. \$2,000 (with Christine Hayes)
- PI “Integration of Leg and Arm ‘Pendulums’ During Walking: Effect of Leg and Waist Loads on Arm Swing Kinematics” 3M Small Scale Faculty/Student Collaborative Grant SM35. Summer 2006. \$1,850 (with Jessica McCafferty)
- PI “Limb Mass to Body Mass Ratio: Influences on the Temporal Characteristics of Walking” 3M Small Scale Faculty/Student Collaborative Grant SM29. Fall 2005. \$1,642 (with Dilangani Boralessa)
- PI “Limb Mass to Body Mass Ratio: Influences on the Temporal Characteristics of Walking” 3M Small Scale Faculty/Student Collaborative Grant SM30. Fall 2005. \$1,642 (with Heather Hirsch)
- PI “Limb Mass to Body Mass Ratio: Influences on the Temporal Characteristics of Walking” 3M Large Scale Faculty/Student Collaborative Grant LG01. Summer 2005. \$20,598 (with Marian Brittain and Heather Hirsch)
- Co-PI “Relationship between Muscle Activity and Energetics of Stepping on an Exercise Step II” 3M Grant for Student Faculty Research. May 15, 2001 – May 15, 2002. \$4,186 (with Sharon Burt, Aubrey Noska and Heidi Weicht)
- Co-PI “Relationship between Muscle Activity and Energetics of Stepping on an Exercise Step I” 3M Grant for Student Faculty Research. June 1, 2000 – June 1, 2001. \$3,000 (with Elizabeth Hofer and Jessica Ingalls)

Grants / Awards (continued)

Co-PI “Human Movement Research” Individual Science Research Development Grant. January 1, 2000 – January 1, 2001. \$20,000 Funded by the College of St. Catherine

Professional Activities

Professional Affiliations

American Association of Physical Anthropology
Society for Integrative and Comparative Biology
Beta Beta Beta (National Biological Honors Society)

Paleoanthropology Society
American College of Sports Medicine

Professional Service

American Association of Physical Anthropologists (AAPA):

- Committee on Diversity Member (2010-2017)
- Local Program Planning Committee for AAPA national meeting (2011)
- Undergraduate Research Symposium Co-Organizer (2011-2017)

Reviewer for:

- *American Journal of Physical Anthropology*
- *Integrative and Comparative Biology*
- *Journal of Human Evolution*
- *Medicine and Science in Sports and Exercise*
- *National Women’s Studies Association Journal*
- *PaeoAnthropology*
- *Perceptual and Motor Skills*

Professional Training / Courses Taken

Analysis of Organismal Form, Fall 2009, Online course, The University of Manchester, UK

Publications/Presentations

Articles / Book Chapters

Wall-Scheffler CM, **Myers MJ**. 2017. The biomechanical and energetic advantages of a mediolaterally wide pelvis in women. *Anat Rec* 300: 764-775.

Wall-Scheffler CM, **Myers MJ**. 2013. Reproductive costs for everyone: how female loads impact human mobility strategies. *J Hum Evol* 64: 448-456.

Phillips MM, Gildensoph LH, **Myers MJ**, Norton CG, Olson AM, Tweeten KA. 2007. Investigative labs in biology: the importance of attending to group dynamics. *J Coll Sci Teach* 37: 23-27.

Tweeten KA, **Myers MJ**, Norton CG, Gildensoph LH, Phillips MM, Wygal DD, Pellegrini JJ, Welter JR. 2007. Animating a biology curriculum with research. In: Karukstis KK, Elgren TE, editors. *Developing and sustaining a research-supportive curriculum: A compendium of successful practices*. Washington DC: Council on Undergraduate Research. p 371–378.

Articles / Book Chapters (continued)

- Wall-Scheffler CM, **Myers MJ**, Steudel-Numbers K. 2006. The application to bipeds of a geometric model of lower limb segment inertial properties. *J Hum Evol* 51:320-326.
- Tweeten KA, **Myers MJ**, Norton CG, Gildensoph LH, Phillips MM, Wygal DD, Pellegrini JJ, Welter JR. 2006. Animating a biology curriculum with research. *Counc Undergrad Res Q* 26:122-127.
- Niemuth PE, Johnson RJ, **Myers MJ**, Thieman TJ. 2005. Hip muscle weakness and overuse injuries in recreational runners. *Clin J Sport Med* 15:14-21.
- Myers MJ**, Burgess AB. 2003. Inquiry-based laboratory course improves students' ability to design experiments and analyze data. *Adv Physiol Educ* 27:26-33.
- Myers MJ**, Steudel K. 1997. Morphological conservation of limb natural pendular period in the domestic dog (*Canis familiaris*): implications for locomotor energetics. *J Morphol* 234:183-196.
- Leon AS, **Myers MJ**, Connett J. 1997. Leisure-time physical activity and the 16-year risks of mortality from coronary heart disease and all-causes in the Multiple Risk Factor Intervention Trial (MRFIT). *Int J Sports Med* 18:S208-S215.
- Myers MJ**, Steudel K, White S. 1993. Uncoupling the correlates of locomotor costs: a factorial approach. *J Exp Zool* 265:211-223.
- Myers MJ**, Steudel K. 1985. Effect of limb mass and its distribution on the energetic cost of running. *J Exp Biol* 116:363-373.

Abstracts / Presentations

- Kirkeide CB, Moua CN, Szyszka NS, **Myers MJ**. 2017. Gait and pelvic angle symmetry as a function of age in women 55 and older. *Med Sci Sports Exerc* 44:S286.
- Kirkeide C, Moua CN, Szyszka N (advisor **Myers MJ**). April 26, 2017. A novel gait trainer facilitates more natural walking patterns in adults 65 years and older. 21st Annual Council on Undergraduate Research Posters on the Hill, Rayburn House Office Building, Washington, D.C.
- Kirkeide C, Moua CN, Szyszka N (advisor **Myers MJ**). March 2, 2017. A novel gait trainer facilitates more natural walking patterns in adults 65 years and older. National Conference on Undergraduate Research, University of Memphis, Memphis, TN.
- Moua CN, Szyszka N, Kirkeide C (advisor **Myers MJ**). March 2, 2017. Can practice make perfect? A novel gait training device improves gait patterns. National Conference on Undergraduate Research, University of Memphis, Memphis, TN.
- Myers MJ**, Wall-Scheffler CM. 2016. Time to kick the treadmill habit? How self-selected walking speed and minimum cost of transport differ between treadmill and overground walking during load carrying. *Am J Phys Anthropol* 159(S62):237.
- Wall-Scheffler CM, **Myers MJ**. 2016. Human female pelvic dimensions are adapted for load carrying. *Am J Phys Anthropol* 159(S62):327.
- Myers MJ**, Steudel-Numbers KL, Wall-Scheffler CM. 2015. Gross versus net metabolic rate: Which should be used when determining the speed of the minimum cost of transport for human walking? *Am J Phys Anthropol* 156(S60):233.
- Wall-Scheffler C, **Myers M**. 2014. The role of female pelvic width on walking economy and speed: Benefits with few tradeoffs. *FASEB J* 28:S335.2.
- Myers MJ**, Lovstad M, Kennedy A, Wall-Scheffler CM. 2014. Thermoregulatory and mobility consequences for reproductive age women carrying loads in an indigenous pack basket. *Am J Phys Anthropol* 153(S58):192.

Abstracts / Presentations (continued)

- Wall-Scheffler CM, **Myers MJ**. 2014. The balance between body size and task in assessing the meaning of pelvic width for human locomotion. *Am J Phys Anthropol* 153(S58):264.
- Wall-Scheffler CM, **Myers MJ**, Steudel KL. July 8, 2013. Evolutionary consequences of the reproduction-locomotion nexus on human sexual dimorphism. Invited Symposium at the International Conference of Vertebrate Morphology, Barcelona, Spain.
- Lovstad M, Kennedy A, **Myers MJ**. April 10, 2013. Self-selected walking speed as a function of load in reproductive age women carrying an indigenous pack basket. Undergraduate Research Symposium, American Association of Physical Anthropology Conference, Knoxville, TN.
- Horvat JEA (advisors **Myers MJ**, Myster SMT). April 11, 2013. Comparison of attrition (dental wear), abscessing, and antemortem tooth loss in the Mimbres and Fort Ancient Period populations. National Conference on Undergraduate Research, University of Wisconsin-LaCrosse, WI.
- Myers MJ**. October 4, 2012. SheWalking II: Beasts of Burden. Endowed Professorship in the Sciences Lecture, St. Catherine University.
- Wall-Scheffler CM, **Myers MJ**. 2012. Is female morphology selected for economy and male morphology selected for efficiency? Evidence from studies on humans. *Am J Phys Anthropol* 147(S54):296.
- Myers MJ**, Fasnacht AA, Wall-Scheffler CM. 2012. Sex differences in the stride frequency of walking while carrying a toddler manikin. *Med Sci Sports Exerc* 44:S286.
- Myers MJ**. May 5, 2011. SheWalking: The Energy-Reproduction Nexus. Endowed Professorship in the Sciences Lecture, St. Catherine University.
- Myers MJ**, Myhre A, Kpanquoi M, Stearns L, Wall-Scheffler CM. 2011. Self-selected walking speeds: do females and males carrying children choose differently? *Am J Phys Anthropol* 144(S52):222.
- Kpanquoi M, Heithoff A (advisor **Myers MJ**). April 1, 2011. Was heat retention important in determining Homo infant limb lengths? National Conference on Undergraduate Research, Ithaca College, Ithaca, NY.
- Myhre A, Kpanquoi M, Stearns L (advisor **Myers MJ**). April 1, 2011. Where to carry kids? a comparison of women and men during walking. National Conference on Undergraduate Research, Ithaca College, Ithaca, NY.
- Stearns L (advisor **Myers MJ**). April 1, 2011. Can sex differences in muscle strength explain observed differences in child carrying positions? National Conference on Undergraduate Research, Ithaca College, Ithaca, NY.
- Myhre A, Kpanquoi M, Stearns L (advisor **Myers MJ**). February 28, 2011. Where to carry kids? a comparison of women and men during walking. Private College Scholars at the Capitol, St. Paul, MN.
- Myers MJ**. April 20, 2010. The Joys of Science: Elegant Experiments, Perplexing Patterns, and Collaborative Quests. Lecture in the Stories of Discovery: Behind the Scenes Science series sponsored by the Endowed Professorship in the Sciences, St. Catherine University.
- Myers MJ**, Ketter M, Heithoff A, Boeff K, Steudel-Numbers K, Wall-Scheffler CM. 2010. Was heat retention important in determining Homo infant limb lengths? *Am J Phys Anthropol* 141:174-175.
- Myers MJ**, Boeff K, Wall-Scheffler CM. 2010. Effect of age, walking speed, and frontal load on step width and its variability. *Integr Comp Biol* 50:e272.
- Myers MJ**, Hayes CM, Hokanson AL, McCafferty JA, Meissner SM, Wall-Scheffler CM. 2009. Belly loads influence minimum cost of transport and speed it occurs in walking women. *Med Sci Sports Exerc* 41:89-90.
- Omodt JR, Hokanson AL, Wall-Scheffler CM, **Myers MJ**. 2009. Associations between core strength, walking speed, and age in women. *Med Sci Sports Exerc* 41:533-534.

Abstracts / Presentations (continued)

- Myhre AL, Wall-Scheffler CM, **Myers MJ**. 2009. Belly loads influence arm and lower limb movements in walking women. *J Minn Acad Sci* 72:19.
- Myers MJ**, Hokanson AL, Myhre AL, Mascioli MD, McCafferty JA, Wall-Scheffler CM. 2009. Grandmothers and mothers on the move: How age and frontal loads affect biomechanics and energetics. *Am J Phys Anthropol* 138:197.
- Wall-Scheffler CM, **Myers MJ**. 2009. Reproductive costs for everyone: how female frontal loads impact mobility. *Am J Phys Anthropol* 138:266.
- Myers MJ**. 2008. Competency + Excellency: engaging students at different levels of preparedness. Inclusive Science: Articulating Theory, Practice, and Action conference. College of St. Catherine.
- McCafferty J, Hayes C, Hokanson A, Meissner S, **Myers MJ**, Wall-Scheffler CM. 2008. Abdominal loads and the cost of walking in women. *J Minn Acad Sci* 71:20.
- Meissner S, Hokanson A, Hayes C, McCafferty J, Wall-Scheffler CM, **Myers MJ**. 2008. Speed of minimum cost of walking: age and load-related differences in women. *J Minn Acad Sci* 71:20-21.
- Myers MJ**, Wall-Scheffler CM. 2008. Grandmothers getting it done: somatic durability in walking tasks. *Am J Phys Anthropol* 135(S46):160.
- Wall-Scheffler CM, **Myers MJ**. 2008. Working harder and taking longer: How frontal loads can impact female reproductive costs. *Am J Phys Anthropol* 135:217.
- Myers MJ**, Wall-Scheffler CM. 2007. Role of load carrying in the evolution of increased body size. *Am J Phys Anthropol* 132:176.
- Studel-Numbers KL, Wall-Scheffler CM, **Myers MJ**, Weaver TD. 2007. The energetic cost of human running: factors affecting its variability. *Am J Phys Anthropol* 132:224-225.
- Brittain ME, Hirsch HM, Boralessa DE, **Myers MJ**. 2006. Effect of small waist and limb loads on temporal variables in walking women. *Med Sci Sports Exerc* 38:S257.
- Myers MJ**. 2004. Competency plus Excellency: an evaluation scheme aimed at changing learning. *Integr Comp Biol* 44:611.
- Myers MJ**. 2003. The confidence to use confidence intervals: moving students toward more sophisticated analyses. *Integr Comp Biol* 43:1063.
- Myers MJ**. 2001. Exposing undergraduates to statistics in an introductory biology course. *Am Zool* 41:1534.
- Myers MJ**, Boyd P. 2001. Metabolic cost of stepping: effects of cadence and load. *Med Sci Sports Exerc* 33:S87.
- Schmitz KH, **Myers MJ**, Leon AS, Jacobs DR, Walker AJ, Serfass RS, Jeffery RW. 1999. Body size, activity pace, and energy expenditure in lean and obese women. *Med Sci Sports Exerc* 31:S367.
- Myers MJ**, Burgess AB. 1998. Does an experiment-based lab curriculum improve the ability of students to analyze and interpret novel physiological data? *Am Zool* 38:153A.
- Myers MJ**, Walker AJ, Collins G, Bartsch G, Launer C, Williams B. for the Terry Bein Community Programs for Clinical Research on AIDS (CPCRA). 1998. Muscle building activity versus physical activity questionnaire as a predictor of body composition. *Med Sci Sports Exerc* 30:S128.
- Schmitz KH, Taylor TJ, **Myers MJ**, Walker AJ, Jeffery RW, Leon AS. 1997. Comparison of net oxygen cost of household chores in lean and obese women. *Med Sci Sports Exerc* 29:S46.
- VailOdash BL, **Myers MJ**, Revier JJ, Walker AJ. 1997. The effect of cycle cadence on a heart rate-based training program. *Med Sci Sports Exerc* 29:S162.
- Myers MJ**, Walker AJ, Studel K. 1996. Comparison of three methods of determining lower limb natural pendular period. *Med Sci Sports Exerc* 28:S46.

Abstracts / Presentations (continued)

Myers MJ, Steudel K. 1986. Factorial analysis of the effects of velocity, stride frequency and mass distribution on the energetic cost of locomotion. Presented at the Midwest Regional Meeting of the American Society of Zoologists: Division of Vertebrate Morphology.

Steudel K, **Myers MJ**. 1984. Can energetic cost of locomotion be an important constraint in primate limb design and structural evolution? *Am J Phys Anthropol* 63:221.

Course Materials or Internal Publications

Myers M. 2010. Teaching plus scholarship: a collaboration not equal to the sum of its parts. *Colleagues* 19(4):15.

Myers M. 2007. *SheWalking*. *Colleagues* 17(4):7.

Lukes R, **Myers M**. 2003. A dialogue about living the Core. *Colleagues* 12(5):9-12.

Invited Talks

SheWalking: Beasts of Burden. WOST Bag Lunch Discussion, St Catherine University, May 2, 2014.

Out on a limb: The life and work of Dr. Professor Karen Steudel (with Cara Wall-Scheffler). Department of Zoology, University of Wisconsin-Madison, May 12, 2010.

Preparing Future Faculty: Faculty panel on mentoring and advising. Center for Teaching and Learning, University of Minnesota, April 8, 2010.

E-lec-tric-i-ty: The synaptic "pop" of understanding. Opening Convocation, St. Catherine University, September 9, 2009.

Successful grant recipient panel. Grant Institute, College of St. Catherine, January 16, 2009.

Wisdom of the aged. Department of Biology, Seattle Pacific University, May 27, 2009.

Interaction between limb morphology, movement, and energetic cost. PaleoLunch Journal Club, Anthropology Department, University of Minnesota, November 20, 2006.

How do you engage the MTV generation in data collection and analysis? Innovation in Teaching: Novel Approaches to Knotty Problems Seminar Series, Center for Biology Education, University of Wisconsin, April 23, 1998.

Convergence of forelimb and hindlimb natural pendular period and its energetic implications: Dogs, mammals, humans. Department of Exercise Science, Arizona State University, March 9, 1998.

Can nonlinear methods help us understand the dynamics of human movement? Chaos and Complexity Seminar Series, University of Wisconsin, November 25, 1997.

Teaching / Courses

St. Catherine University (Assistant, Associate, and Full Professor)

Comparative Animal Physiology	Foundations of Biology
Measuring Human Locomotion (Lab)	Biology of Women
Sophomore Seminar	Senior Seminar
Honors Seminar: You Throw Like a Girl	Human Physiology
Understanding Medical Research	Comparative Vertebrate Anatomy

University of Wisconsin - Madison (Faculty Associate)

Organismal Biology Laboratory

Cellular Biology Laboratory

Carleton College (Visiting Instructor)

Introduction to Biology Laboratory

University of Wisconsin - Madison (Graduate Teaching Assistant)

Organic Evolution

Comparative Physiology

Comparative Anatomy

Organismal Biology

Teaching / One-on-One Mentoring Experiences

Honors Thesis Committees

Katie Zarbock. 2015-2016. *The role of energy balance in menstrual cycle dysfunction and the resumption of menses.*

Jessica Carillo. 2015-2016. *Behind the scenes of a zoo visit: What visitors tend to miss on their visit.* [Co-chair].

Brianne Hintsala. 2015-2016. *The effect of chronic stress on body image, food intake, and food preferences in female undergraduate students.*

Jenna Horvat. 2012-2013. *Comparison of attrition, abscessing and antemortem tooth loss between the Mimbres and the Fort Ancient Period population.* [Chair]

Kayla Lange. 2012-2013. *Cancellation of scheduled exercise and its influence on consumption: Exercisers vs. sedentary individuals.*

Laura Stearns. 2010-2011). *Could differences in muscle group strength explain observed differences in child carrying positions?* [Chair]

Mary Burmeister. 2009-2010. *Relationship between passive ROM and maximum dynamic ankle plantar flexor and dorsal flexor angles while walking on inclines.*

Andrea Hokanson. 2007-2008. *Associations between core strength and age in walking women with varying belly loads.* [Chair]

Cecilia Ng. 2003-2004. *Sleep and study habits of CSC students.* [Chair]

Undergraduate Collaborative Research Projects / AMP Assistantships

Courtney Kirkeide, Chi Na Moua, and Nicole Szyszka. Summer 2016 through Spring 2017. *The Gaiter™: Testing how well a new 4-wheel, pivoting walker promotes natural walking movements.* Collaborative research project, Summer Scholars, 21st Annual Council on Undergraduate Research Posters on the Hill, Rayburn House Office Building, Washington, D.C.

Liesa Erickson and Chi Na Moua. Spring 2016. *Measuring free-walking: Developing accurate methods to document gait temporal variable.* Collaborative research project, APDC Faculty Grant

Angela Kasper and Sonja Knudson. Spring and Summer 2015. *A pilot study on a supplemented MOB© program.* Collaborative research project, APDC Faculty Grant

Viet-Anh Nguyen. Spring 2014. *How does infant-carrying device influence walking kinematics? (KidCarry3).* Collaborative research project

Lindsey Barton, Alexandra Kennedy, Melvina Kpanquoi, and Molly Lovstad. Summer 2012 through Summer 2013. *Where to carry kids? A comparison of women and men during walking (KidCarry2).* Collaborative research project, Large 3M Grant

Undergraduate Collaborative research project Projects / AMP Assistantships (continued)

- Kelsey Boeff, Alice Fasnacht, Quinn Halverson, Alexandra Kennedy, Melvina Kpanquoi, Matt Mascioli, Anna Myhre, Laura Stearns, and Drew Thao. Summer 2010 through Spring 2012. *Where to carry kids? A comparison of women and men during walking (KidCarry1)*. Collaborative research project, Large 3M Grant, Summer Scholars
- Annette Dias and Narlina Lalani. Winter 2010. *Curious Mind podcast*. Program Assistantship, AMP
- Melvina Kpanquoi. Summer & Fall 2009, Winter 2010. *Was heat retention important in determining Homo infant limb lengths?* Collaborative research project, McNair Scholarship
- Anna Heithoff. Fall 2009. *Thermoregulation in early human infants: Effect of temperature, wind speed, and skin-to-skin contact ("Hot Babies")*. Collaborative research project, Small 3M Grant
- Kelsey Boeff. Summer 2009. *Effect of belly loads on lateral stability in walking women*. Collaborative research project, Small 3M Grant
- Jessica McCafferty. Summer 2008. *Effects of belly loads on walking women*. Research Assistantship, AMP
- Sarah Meissner (Summer and Fall 2007. *Effects of belly loads on walking women*. Research Assistantship, AMP
- Christine Hayes, Andrea Hokansen and Jessica McCafferty (Summer 2007. *Effects of belly loads on walking women*. Collaborative research project, Small 3M Grant & NIH EARDA Grant
- Summer Hale (Winter 2007. *Effect of limb and body mass loads on step width during walking*. Collaborative research project
- Jessica McCafferty. Winter 2007. *Integration of leg and arm "pendulums" during walking: Effect of leg and waist loads on arm swing kinematics*. Research Assistantship, AMP
- Jessica McCafferty. Summer 2006. *Integration of leg and arm "pendulums" during walking: Effect of leg and waist loads on arm swing kinematics*. Collaborative research project, Small 3M Grant
- Marian Brittain (Winter 2006. *Limb mass to body mass ratio: Influences on the temporal characteristics of walking*. Research Assistantship, AMP
- Dilangani Boralessa. Fall 2005. *Effect of limb and body mass loads on the temporal characteristics of walking*. Collaborative research project, Small 3M Grant
- Heather Hirsch (Fall 2005. *Limb mass to body mass ratio: Influences on walking*. Collaborative research project, Small 3M Grant
- Marian Brittain and Heather Hirsch (Summer 2005. *Limb mass to body mass ratio: Influences on the temporal characteristics of walking*. Collaborative research project, Large 3M Grant
- Rebecca Schiller (Summer and Fall 2001. *Relationship between muscle activity and energetics of stepping on an exercise step II*. Collaborative research project
- Sharon Burt, Aubrey Noska and Heidi Weicht (Summer 2001. *Relationship between muscle activity and energetics of stepping on an exercise step II*. Collaborative research project, Small 3M Grant
- Elizabeth Hofer and Jessica Ingalls (Summer 2000. *Relationship between muscle activity and energetics of stepping on an exercise step I*. Collaborative research project, Small 3M Grant

Service / Outreach

- Faculty Senate, President-Elect, SCU (2017-2018)
- President's Cabinet, SCU (2017-2018)
- Strategic Planning Group, SCU (2017-18)
- Program Prioritization Process (P3) Committee, SCU (2017-2018)
- University Budget Committee, SCU (2017-2018)
- WHIR Center Director, SCU (2011-2017)

Service / Outreach (continued)

Search Committee for Program Director BS Nursing, College for Women, SCU (2017)
Search Committee for Program Director BS Nursing, College for Adults, SCU (2017)
University Faculty Council, SCU (2016-2017)
Presidential Transition Team, SCU (2016-2017)
Presidential Search Advisory Committee, SCU (2016)
Undergraduate Research Symposium Co-organizer, American Association of Physical Anthropologists (2011-2017)
Adult Learning/EWO Working Group, SCU (2015-2016)
Search Committee for Associate Dean of Nursing, SCU (2015)
Reunion Planning for STEM Affinity Group, SCU (2015)
Search Committee for Biology Faculty Member, SCU (2014)
College for Women Planning Team (ACEN Accreditation), SCU (2014)
Research Academy, SCU (2013-2015)
STEM Fellowships & Advising Committee, SCU (2012-2014)
Collaborative Research Steering Committee, SCU (2011-2015)
Faculty Dispute Resolution Committee, SCU (2011-2014)
Board of Trustees Human Resources Committee, SCU (2011-2014)
Faculty Speaker, Minnesota Private College Week, SCU (2011-2014)
Intellectual Property Task Team, SCU (2012-2013)
Master Space Planning Leadership Team, SCU (2011-2012)
Search Committee for Math Faculty Member, SCU (2011-2012)
Ad Hoc Committee on Invited Speakers and Programs, SCU (2010-2012)
Women's Health Integrative Research (WHIR) Center Development Team, SCU (2009-2011)
NSF STEM Scholarship Review Committee, SCU (2009-2010)
Office of Research and Sponsored Programs Advisory Committee, SCU (2009-2013)
School of Health Action Research Grant Committee, SCU (2009-2010)
STEM Leadership Team, SCU (2009-2013)
Local Planning Committee for American Association of Physical Anthropologists Meeting (2010-2011)
Presentation on Evolution, Adaption & Bones for 7th Graders at Chaska Middle School West, Chaska (2010)
Gait Experiments, Eagle Summer Camp students, Washington Technology Magnet Middle School (2009)
Board of Trustees Subcommittee on Faculty/Staff Welfare, SCU (2008-2011)
Core Branding Team, CSC (2009)
Successful Grant Recipient Panel, Grant Institute, CSC (2009)
University versus College: Name Task Team, CSC (2007-2008)
Search Committee for Exercise and Sports Science Faculty Member, CSC (2007)
Search Committee for Respiratory Care Faculty Member, CSC (2006)
Faculty Mentor for New Faculty, CSC (2006-2007)
Clare Boothe Luce Scholarship Review Board, CSC (2004-2005)
PLEN Women & Science/Technology Policy Award Committee, CSC (2003-2006)
Search Committee for Biology Faculty Member, CSC (2005)
Curriculum Design Team, CSC (2005)

Service / Outreach (continued)

Claiming a Community of Connection Committee, CSC (2003-2005)
Faculty Council (ACDC Rep), CSC (2001-2003)
Academic Community Development Committee, CSC (2001-2003)
Project Kaleidoscope Faculty for the 21st Century, National Organization (2000-2009)
Presentation on Muscles for 3rd Graders at Bluff Creek Elementary, Chanhassen (2003)
Member of Doctoral Dissertation Committee for Paul Niemuth, CSC PT Faculty (2001-2003)
Medical Sales Curriculum Task Force, CSC (2001)
Search Committee for Education Faculty Member, CSC (2000)
Faculty Development Committee, CSC (1999-2001)
Biology Core Curriculum Steering Committee, UW-Madison (1996-1999)
Classroom Experimentation Team, Center for Biology Education, UW-Madison (1998)
Reviewer for Howard Hughes Scholars Undergraduate Research Fellowship, UW-Madison (1997)
Summer Enrichment Program for Minority Middle School Students, UW-Madison (1985-1987)