

BIOGRAPHICAL SKETCH

NAME	POSITION TITLE
Ann M. Swartz, Ph.D.	Assistant Professor

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
University of Wisconsin, Madison, WI	B.S.	1991-1995	Kinesiology
Ball State University, Muncie, IN	M.S.	1996-1998	Exercise Physiology
The University of Tennessee, Knoxville, TN	Ph.D.	1998-2001	Exercise Physiology
University of Kentucky, Lexington, KY	Post- doctoral	2001	Exercise Physiology/ Physical Medicine and Rehabilitation
University of Michigan, Ann Arbor, MI	Post- doctoral	2002-2003	Exercise Physiology/ Physical Medicine and Rehabilitation

PROFESSIONAL POSITIONS, SERVICE AND HONORS:

1996-1998	Exercise Testing Technician, Dept. of Exercise Science, Ball State University
1996-1998	Program Coordinator and Exercise Leader, Adult Physical Fitness Program, Department of Exercise Science, Ball State University, Muncie IN
1996-1998	Graduate Assistant, Department of Exercise Science, Ball State University, Muncie IN
1997-1997	Graduate Teaching Assistant, Department of Exercise Science, Ball State University, Muncie IN
1997-1998	Student Exercise Technician, Cardiac Rehabilitation, Ball Memorial Hospital, Muncie IN
1998-2001	Graduate Research Assistant, Department of Exercise Science, University of Tennessee, Knoxville TN
1999-2000	Graduate Teaching Assistant, Department of Exercise Science, University of Tennessee, Knoxville TN
2000-2001	Graduate Associate, Dept. of Exercise Science and Sport Mgmt., University of Tennessee
2001	Post-Doctoral Scholar, Spinal Cord & Brain Injury Research Center, Univ. of Kentucky, Lexington KY
2002-2003	Post-Doctoral Research Fellow, Department of Physical Medicine and Rehabilitation, Univ. of Michigan, Ann Arbor MI
2003-present	Assistant Professor, Dept of Human Movement Sciences, Univ. of Wisconsin-Milwaukee, Milwaukee WI
2003-present	Director, Exercise Physiology Laboratory, Department of Human Movement Sciences, University of Wisconsin-Milwaukee, Milwaukee WI

COMMITTEES AND SCIENTIFIC ACTIVITIES

2000	Helen B. Watson Dissertation Award Committee, Knoxville, TN
2000	Tennessee Science Olympiad, Knoxville, TN
2000-2001	UT Graduate Student Association, Knoxville, TN
2002	Technology for SCI Wellness Conference Steering Committee, University of Michigan, Ann Arbor, MI
2002-present	Manuscript Reviewer: Medicine and Science in Sports and Exercise
2002-present	Manuscript Reviewer: Clinical Nutrition
2003-present	UWM Department of Human Movement Sciences Graduate Faculty Committee
2006-present	UWM College of Health Sciences Research and Graduate Program Committee

HONORS AND AWARDS

1998	Outstanding graduate student, Ball State University, Muncie IN
2001	The University of Tennessee College of Education Outstanding Graduate Student Award
2001	K30 Career Training in Therapeutics and Translational Research
2002	American Congress of Rehabilitation Medicine, Bernard M. Baruch Essay Contest winner

SELECTED PUBLICATIONS**Peer Reviewed Journal Articles**

- Ainsworth, B.E., W.L. Haskell, M.C. Whitt, M.L. Irwin, **A.M. Swartz**, S.J. Strath, W.L. O'Brien, D.R. Bassett Jr., K.H. Schmitz, P.O. Emplainscourt, D.R. Jacobs, and A.S. Leon. *Compendium of physical activities: an update of activity codes and MET intensities. Medicine and Science in Sports and Exercise. 32(9):S498-S516, 2000.*
- Ainsworth, B.E., D.R. Bassett Jr., S.J. Strath, **A.M. Swartz**, W.L. O'Brien, R.W. Thompson, D.A. Jones, C.A. Macera, and C.D. Kimsey. *Comparison of three methods for measuring the time spent in physical activity. Medicine and Science in Sports and Exercise. 32(9):S457-S464, 2000.*

- Bassett Jr., D.R., B.E. Ainsworth, **A.M. Swartz**, S.J. Strath, W.L. O'Brien, and G.A. King. *Validity of four motion sensors in measuring moderate intensity physical activity.* Medicine and Science in Sports and Exercise. 32(9): S471-S480, 2000.
- Strath, S.J., **A.M. Swartz**, D.R. Bassett Jr., W.L. O'Brien, G.A. King, and B.E. Ainsworth. *Evaluation of heart rate as a method for assessing moderate intensity physical activity.* Medicine and Science in Sports and Exercise. 32(9):S465-S470, 2000.
- Swartz, A.M.**, S.J. Strath, D.R. Bassett Jr., W.L. O'Brien, G.A. King, and B.E. Ainsworth. *Estimation of energy expenditure using CSA accelerometers at hip and wrist sites.* Medicine and Science in Sports and Exercise. 32(9):S450-S556, 2000.
- King, G.A., E.C. Fitzhugh, J.E. McLaughlin, D.R. Bassett Jr., S.J. Strath, and **A.M. Swartz**. *Relationship of leisure-time physical activity and occupational activity to the prevalence of obesity.* International Journal of Obesity. 25(5):606-612, 2001.
- Strath, S.J., D.R. Bassett Jr., **A.M. Swartz**, and D.L. Thompson. *Simultaneous heart rate-motion sensor technique to estimate energy expenditure.* Medicine and Science in Sports and Exercise 33(12): 2118-2123, 2001.
- Strath S.J, D.R. Bassett Jr., D.L. Thompson, **A.M. Swartz**. *Validity of the simultaneous heart rate-motion sensor technique to predict physical activity.* Medicine and Science in Sports and Exercise. 34: 888-894, 2002.
- Swartz, A.M.**, M.J. Evans, G A. King, D.L. Thompson. *Evaluation of a foot-to-foot bioelectrical impedance analyzer in highly active, moderately active and less active young men.* British Journal of Nutrition. 88: 205-210, 2002
- Swartz, A.M.**, S.J. Strath, B.A. Redwine, B.B. Moore, M. Groër and D.L. Thompson. *Increasing daily walking improves glucose tolerance in overweight women.* Preventive Medicine 37: 356-362, 2003.
- Strath, S.J., D.R. Bassett Jr. and **A.M. Swartz**. *Comparison of MTI regression equations to predict time spent in physical activity.* International Journal of Sports Medicine.24: 298-303, 2003.
- Swartz, A.M.**, D.R. Bassett Jr., D.L. Thompson, B.B. Moore, and S.J. Strath. *Effects of body mass index on accuracy of an electronic pedometer.* International Journal of Sports Medicine 24:588-592, 2003.
- Strath, S. J., D. R. Bassett Jr., S. H. Ham, and **A. M. Swartz**. *Assessment of physical activity by telephone interview versus objective monitoring.* Medicine and Science in Sports and Exercise 35(12): 2112-2118, 2003.
- Strath, S.J., D. R. Bassett Jr., and **A. M. Swartz**. *Comparison of the College Alumnus Questionnaire Physical Activity Index with objective monitoring.* Annals of Epidemiology 14: 409-415, 2004.
- Tudor-Locke, C., D.R. Bassett, Jr., **A.M. Swartz**, S.J. Strath, B.B. Parr, J. Reis, K.D. DuBose and B.E. Ainsworth. *One Year of Pedometer Self-Monitoring.* Annals of Behavioral Medicine 28(3): 158-162, 2004.
- Swartz, A.M.**, Strath, S.J., Parker, S.J., Miller, N.E. and L. Cieslik. *Ambulatory Activity and Body Mass Index in White and Non-White Older Adults.* Journal of Physical Activity and Health 4: 294-304, 2007.
- Swartz, A.M.**, Strath, S.J., Parker, S.J., and N.E. Miller. *The Impact of Body Mass Index and Steps per Day on Blood Pressure and Fasting Glucose in Older Adults.* Journal of Aging and Physical Activity. In Press.
- Richardson, C.R., Newton, T.L., Abraham, J.J., Sen, A., Jimbo, M., and **A.M. Swartz**. *A Meta-Analysis of Pedometer-Based Walking Interventions and Weight Loss.* Annals of Family Medicine. In Press.

RESEARCH SUPPORT

ACTIVE

N/A (Strath) 06/01/06 – 05/31/09 0.6 Calendar m

UWM-CUPH Center Scientist Award

Utilizing Tailored Step-Count Feedback to Enhance Physical Activity in the Elderly

Role: Co-PI

To examine mediated walking web based physical activity interventions in the elderly.

N/A (Muehlenbein) 06/01/06 – 05/31/07 0.5 Calendar m

UWM Research Growth Initiative.

Testosterone, Energetics and Immunity: the Costs of Being Male.

Co-I

To assess changes in metabolism, endocrine, and immune functions in a large sample of adult male college students naturally infected with influenza, cold virus, or other upper respiratory tract infection as well as students being vaccinated for Hepatitis B, influenza, rabies, meningococcus, and/or Yellow Fever

Recently Completed Research Support

N/A (Swartz) 09/01/05 – 05/31/06 0.6 Calendar m

UWM Age and Community Center Research Award

Impact of Physical Activity on the Relationship between Abdominal Obesity and Health.

Role: PI

Determining whether physical activity can modify the association between abdominal obesity and co-morbid conditions in older adult.

N/A (Swartz) 7/1/04-6/30/05 1.0 Calendar m

UWM Graduate School Research Committee Award

Determinants of Glucose Intolerance and Insulin Sensitivity in Older Adults.

Role: PI

To determine whether physical activity is related to glucose tolerance and/or insulin sensitivity independent of level of obesity and distribution of body fat.

N/A (Swartz) 1/5/04-1/24/05 1.0 Calendar m

CHS Stimulus for Enhancing Extramural Development Program

Determinants of obesity in urban adults.

Role: PI

To determine the causes of obesity in adults living in an urban community.

M01 RR00042. (Gater) 3/1/03 – 9/1/04

NIH GCRC

The Impact of Acute Exercise on Insulin Sensitivity and Glucose Effectiveness in Adults with Spinal Cord Injury.

Role: Co-PI

To evaluate the effect of an acute moderate intensity exercise bout on insulin and glucose dynamics in individuals with spinal cord injury.

N/A (Gater) 1/1/03 – 12/31/03 1.0 Calendar m

Paralyzed Veterans Association (PVA)

The Impact of Acute Exercise on Insulin Sensitivity and Glucose Effectiveness in Adults with Spinal Cord Injury.

Role: Co-PI

To determine the effectiveness of an acute moderate intensity exercise bout on insulin and glucose dynamics in individuals with spinal cord injury.

N/A (Gater) 3/1/03 – 2/28/04 1.0 Calendar m

University of Michigan, OVPR.

Methodologies to Assess Physical Activity Patterns in Spinal Cord Injury: A Field Trial.

Role: Co-I

The long term objective of this study is to develop valid and reliable physical activity assessment techniques appropriate to individuals with spinal cord injury.

Pending

N/A (Strath) 07/01/2008-06/30/2013 4.26 Calendar m

NIH

Heart Rate and Movement Integration to Improve Physical Activity Assessment

Role: Co-I

To develop and test an innovative rigorous methodology to integrate the strengths of heart rate monitoring and accelerometry that will address the limitations of current physical activity assessment devices.

N/A (Strath) 10/01/2007-09/30/2010 1.13 Calendar m

NIH

A New Physiological Motion Detector Combination Device to Improve Energy Expenditure Assessment.

Role: CO-I

To develop a new accurate physical activity energy expenditure device to further the study of energy balance, and to examine the validity and usability of this device.