

MICHAEL J. TURNER, Ph.D.

Associate Professor
Curriculum Vita

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The University of North Carolina Charlotte
Dept. of Kinesiology
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Present Position

Associate Professor - Teaching Exercise Physiology (Undergrad.), Exercise Evaluation (Undergrad.), Pharmacology for the Physically Active (Undergrad.), Nutrition (Undergrad.), Assessment and Development of Physical Fitness (Grad.), Advanced Exercise Physiology (Grad.) and Physiology of Human Aging (Grad.), Introduction to Kinesiology (Undergrad.), Practitioner Seminar (Undergrad.), Anatomy and Physiology II (Undergrad.), Exercise Prescription (Undergrad.), Advanced Cardiovascular Physiology (Grad.), Musculoskeletal and Neuromuscular Exercise Prescription (Grad.)
Promoted and Tenured to Associate Professor. - August 2004.
Director of the Functional Health Laboratory
Program Director of the M.S. in Clinical Exercise Physiology Program

EDUCATION

Post-Doctoral
Research Fellow
(1997)

Washington University School of Medicine
St. Louis, MO
(Mentors: Ali A. Ehsani, M.D. and John O. Holloszy, M.D.)

Ph.D. (1994)

The University of Tennessee, Knoxville
Knoxville, Tennessee
Major: Exercise Physiology
(Advisor: Edward T. Howley, Ph.D.)

M. S. (1991)

Miami University
Oxford, Ohio
Major: Exercise Science
(Advisor: Randal P. Claytor, Ph.D.)

B. S. (1988)

Miami University
Oxford, Ohio
Major: Exercise Science

PREVIOUS PROFESSIONAL EXPERIENCE

ASSISTANT PROFESSOR (7/97-7/98), Wichita State University. College of Education, Department of Health and Physical Education. Research Director for Center for Physical Activity and Aging. Mentored 7 Master's Theses in a one year period and taught the following courses: Exercise Prescription, Exercise Physiology, Introduction to Exercise ECGs, and Applied Exercise Physiology.

POSTDOCTORAL RESEARCH FELLOW (8/94-7/97), Supported by a National Institute of Aging Grant, Section of Applied Physiology, Division of Geriatrics and Gerontology, Washington University School of Medicine, St. Louis, MO. Formulate, conduct and assist in research studies focusing on the effects of aging and exercise on the cardiovascular system.

INSTRUCTOR (8/94-7/97), Physical Therapy School, Washington University School of Medicine, St. Louis, MO. Instructor of Exercise Physiology to second year physical therapy students in a Master's program that was voted the #1 Physical Therapy Program in the United States by *U.S. News and World Report* (1995 & 1997).

GRADUATE TEACHING ASSOCIATE (1991-94), Department of Human Performance and Sport Studies, The University of Tennessee, Knoxville. Instructor for Beginning Racquetball, Intermediate Racquetball, and Bowling classes. Also, instructor for six Exercise Physiology Laboratory (HPSS 480) and three Exercise Prescription Laboratory (HPSS 414) courses to graduate and senior-level students during the school years of 1992-94.

STUDENT REPRESENTATIVE FOR SEARCH COMMITTEE (1993-94), Served as Student Representative on the Search Committee for the Assistant/Associate Professor Position in Exercise Physiology at The University of Tennessee-Knoxville.

FITNESS CONSULTANT (1990-91), Medlaw Fitness Center, Ottawa, Ohio. Prescribed, instructed and supervised members on strength training, court sports, and aerobic fitness programs.

GRADUATE TEACHING ASSISTANT (1989-90), Department of Physical Education, Health, and Sport Studies, Miami University, Oxford, Ohio. Instructor for Exercise and Health Laboratory courses (PHS 180 - Majors course) and weight training classes.

UNIVERSITY FACULTY AND STAFF FITNESS PROGRAM COORDINATOR (1989-90), Department of Physical Education, Health, and Sport Studies, Miami University, Oxford, Ohio. Coordinator of the Weight Room segment of Miami University Health Enhancement and Faculty, Staff Fitness Program. Developed and maintained the current attendance system used on the Macintosh Computer. Also, coordinated and instructed weight room personnel.

GRADUATE RESEARCH ASSISTANT (1988-89), Department of Physical Education, Health, and Sport Studies, Miami University, Oxford, Ohio. Responsibilities included assisting in multiple research activities, training subjects, data collection, data entry and data analysis for the Human Performance Laboratory.

SCHOLARLY WORK

DOCTORAL DISSERTATION

Turner, M.J. The effect of graded epinephrine infusion on the blood lactate response to exercise. (Ph.D.). Department of Human Performance and Sport Studies, The University of Tennessee, Knoxville, TN, 1994.

MASTER'S THESIS

Turner, M.J. Cardiovascular adaptations to one-leg exercise training. (M.S.). Department of Physical Education, Health and Sport Studies, Miami University, Oxford, OH, 1991.

GRANTS, CONTRACTS, AND FELLOWSHIPS

“The effect of graded epinephrine infusion on the blood lactate response to exercise.”
Graduate Research Award. Bureau of Educational Research and Service, The University of Tennessee, Knoxville.

Principal Investigator

March, 1994.

Funded - \$250.00.

“The effect of graded epinephrine infusion on the blood lactate response to exercise.”
Graduate Research Award. The Nutrition Institute, The University of Tennessee, Knoxville.

Principal Investigator

March, 1994.

Funded - \$300.00.

"Aging, Exercise, and Blood Pressure".

Individual National Research Service Award, National Institutes of Aging.

Principal Investigator

August, 1996 to August, 1997

Funded- \$25,600.00.

“Impact of Estrogen Replacement Therapy on Vascular Reactivity in Post Menopausal Women.”

Junior Faculty Summer Fellowship Program, UNC Charlotte.

Principal Investigator

Summer, 1999

Funded - \$3,500.00

“Impact of Estrogen Replacement Therapy on Vascular Reactivity in Post Menopausal Women.”

Faculty Research Support Grant, UNC Charlotte.

Principal Investigator

1999

Funded - \$4,700.00

“Aging, Family History and Cardiovascular Alterations.”

National Institutes of Health – National Institute of Aging – K01 Award (Mentored Award)

Principal Investigator

1999-2002

Not Funded - \$249,060.00

“Ethnic Differences in Control of Autonomic Balance.”

American Heart Association

Co-Investigator – with Dr. Tim Lightfoot

1999-2001

Not Funded - \$214,144.00

“Validation of the SunTech Medical Instruments Tango Motion-Tolerant Blood Pressure Monitor During Graded Exercise.”

SunTech Medical Instruments, Inc.

Principal Investigator

2000-2001

Not Funded - \$15,575.00

“Eating Disorders and Impact on Performance. Phase 2: Physiological Differences with Male and Female Triathletes.”

Faculty Research Support Grant, UNC Charlotte.

Principal Investigator

2000-2001

Funded - \$5,000.00

“Influence of soy and physical activity on heart disease risk factors and endothelial function in postmenopausal women.”

American Heart Association - Mid-Atlantic Affiliate - Beginning Grant In-Aid

Principal Investigator

2001-2003

Not Funded – \$132,000.

“Biomedical Instrumentation and End of Life Care”

Faculty Research Support Grant, UNC Charlotte

Co-Investigator - with Dr. Shirley Travis and Dr. Pam Larsen

2001-2002

Not Funded - \$15,000

“Biomedical Instrumentation and End of Life Care”

A.Sue Kerley Research Award, College of Nursing and Health Professions, UNC Charlotte
Co-Investigator - with Dr. Shirley Travis and Dr. Pam Larsen
2001-2002

Funded – Travel Money Support for Barbara Holtzclaw, Ph.D.

“Comprehending Medical Futility: An Essential Component of End of Life Care”

Pfizer, Inc

Collaborating Investigator .– With Dr. Shirley Travis (PI), and Dr. R. Tong

2001-2002

Not Funded - \$74,898

“Impact of Aging on Genetic Control of Physical Activity Level.”

Foundation of Carolinas

Co-Investigator - With Dr. Tim Lightfoot

2001-2002

Not Funded - \$10,000.

“Age-Related Cardiac Apoptosis and Physical Activity.”

National Institutes of Health – National Institute of Aging – R03-Pilot Grant

Principal Investigator

2002-2003

Not Funded - \$63,740

“Influence of Aging and Physical Activity on Cardiac Apoptosis in Inbred Mice.”

American Heart Association – Mid-Atlantic Affiliate – Beginning Grant-In-Aid

Principal Investigator

2002-2004

Not Funded - \$129,293

“Cardiac Apoptosis in Physically Active, Aging, Inbred Mouse Strains.”

Junior Faculty Research Support Grant, UNC Charlotte.

Principal Investigator

Summer, 2003

Funded - \$6,000

“Aging, Physical Activity, and Cardiac Apoptosis.”

National Institutes of Health – National Institute of Aging – R15-AREA Grant

Principal Investigator

2003-2006

Funded - \$198,750

“Genetic Factors Responsible for Exercise Endurance.”

National Institutes of Health– R01 Grant

Collaborator – With Dr. J. Timothy Lightfoot (PI), et al.

2005-2010

Funded - \$1,473,108

“Identification Of Genetic Regions Influencing Physical Activity With Aging”
Senior Faculty Research Support Grant, UNC Charlotte.

Principal Investigator

Spring and Summer, 2007

Funded - \$6,000

“Isolating Genetic Factors Controlling Physical Activity.”

National Institutes of Health– R01 Grant

Collaborator – With Dr. J. Timothy Lightfoot (PI), et al.

2009-2014

Not Funded – \$1,600,000

“Age-related Changes in Cardiac Structure and Function with Exercise.”

Senior Faculty Research Support Grant, UNC Charlotte

Principal Investigator

2009-2011

Funded - \$6,000

“Aging, Physical Activity, and Body Composition: Impact on Heart and Osteoarthritis.”

National Institutes of Health – National Institute of Aging – R15-AREA Grant, Recovery

Act (ARRA) Limited Competition (RFA-OD-09-007)

Principal Investigator

2010-2013

Not Funded - \$300,000

“The genetic contribution to hyperoxia induced cardiac function response”

NIH – National Heart, Lung, and Blood Institute – R15

Collaborator

2011-2014

Not Funded - \$445,500

“Continued Physical Activity, does it Decrease the Risk of Cardiovascular Disease?”

National Football League Charities Medical Grant

Co-Investigator

2012-2013

In Review - \$100,000

PUBLICATIONS

Lightfoot, J.T., D.J. Torok, T.W. Journell, **M.J. Turner**, and R.P. Claytor. Resistance training increases lower body negative pressure tolerance. Med. Sci. Sports Exerc. 26(8):1003-1011, 1994.

Turner, M.J., E.T. Howley, H. Tanaka, M. Ashraf, D.R. Bassett, Jr., and D.J. Keefer. The effect of graded epinephrine infusion on the blood lactate response to exercise. J. Appl. Physiol. 79(4):1206-1211, 1995.

- Turner, M.J.**, H. Tanaka, D.R. Bassett, Jr., and T.R. Fitton. The equilibrium CO₂ rebreathing method does not affect resting or exercise blood pressure. Med. Sci. Sports Exerc. 28 (7): 921-925, 1996.
- Tanaka, H., D.R. Bassett, Jr., and **M.J. Turner**. Exaggerated blood pressure response to maximal exercise in endurance-trained individuals. Am. J. Hypertens. 9(11): 1099-1103, 1996.
- Spina, R.J., **M.J. Turner**, and A.A. Ehsani. Exercise training enhances cardiac function in response to an afterload stress in older men. Am. J. Physiol. 272(2):H995-H1000, 1997.
- Hickner, R.C., J.S. Fisher, P.A. Hansen, S.B. Racette, C.M. Mier, **M.J. Turner**, and J.O. Holloszy. Muscle glycogen accumulation after endurance exercise in trained and untrained individuals. J. Appl. Physiol. 83(3):897-903, 1997.
- Mier, C.M., **M.J. Turner**, R.J. Spina, and A.A. Ehsani. Cardiovascular adaptations to 10 days of cycle exercise. J. Appl. Physiol. 83(6):1900-1906, 1997.
- Spina, R.J., **M.J. Turner**, and A.A. Ehsani. β -adrenergic-mediated improvement in left ventricular function by exercise training in older men. Am. J. Physiol. 274(Heart Circ. Physiol. 43):H397-H404, 1998.
- Turner, M.J.**, C.M. Mier, R.J. Spina, and A.A. Ehsani. Effects of age and gender on cardiovascular responses to phenylephrine. J. Gerontology (Med. Sci.) 54A(1): M17-M24, 1999.
- Turner, M.J.**, C.M. Mier, R.J. Spina, K.B. Schechtman, and A.A. Ehsani. Effects of age and gender on the cardiovascular responses to isoproterenol. J. Gerontology (Biol. Sci.) 54A(9): B393-B400, 1999.
- Suman, O. E., D. Hasten, **M.J. Turner**, M.R. Rinder, R.J. Spina, and A.A. Ehsani. Enhanced inotropic response to dobutamine in the strength-trained subjects with left ventricular hypertrophy. J. Appl. Physiol. 88:534-539, 2000.
- Turner, M.J.**, R.J. Spina, W.M. Kohrt, and A.A. Ehsani. Effect of endurance exercise training on left ventricular size and remodeling in older adults with hypertension. J. Gerontology (Med. Sci.) 55A(4):M245-M251, 2000.
- Lightfoot, T., **M. Turner**, K. DeBate, and S. Kleeberger. Interstrain variation in murine aerobic capacity. Med. Sci. Sports Exerc. 33(12):2053-2057, 2001.
- Vukovich, M.D., G. Slater, M.B. Macchi, **M.J. Turner**, K. Fallon, T. Boston, and J. Rathmacher. β -hydroxy- β -methylbutyrate (HMB) kinetics and the influence of glucose ingestion in humans. J. Nutr. Biochem. 12(11):631-639, 2001.
- Wethington, H., C. Flowers, **M. Turner**, and R. DiGiacchino DeBate. Eating attitudes, body image, and nutrient intake in female triathletes. Women Sport Phys. Act. J. 11(2): 115-139, 2002.
- Travis, S.S., D. Menscer, S.O. Dixon, **M.J. Turner**, and M. Thornton. Assessing and Managing

Iatrogenic Disturbance Pain For Frail, Dependent Older Adults in Long-Term Care Situations. Ann. of Long-Term Care: Clin. Care Aging. 11(5):33-40, 2003.

Howden, R., J.T. Lightfoot, **M.J. Turner**, S.J. Brown, and I.L. Swaine. A wide range of baroreflex stimulation does not alter forearm blood flow. Eur. J. Appl. Phys. 93:124-129, 2004.

Lightfoot, J.T., **M.J. Turner**, M. Daves, A. Vordermark, S.R. Kleeberger. Genetic influence on daily wheel running activity level. Physiol. Genomics 19: 270-276, 2004

Travis, S.S., S. Moore, P.D. Larsen, and **M.J. Turner**. Clinical indicators of treatment futility and imminent terminal decline as discussed by multidisciplinary teams in long-term care. Am. J. Hospice Pall. Care. 22(3): 204-210, 2005.

Turner, M.J., S.R. Kleeberger, J.T. Lightfoot. Influence of genetic background on daily running wheel activity with aging. Physiol. Genomics 22(1): 76-85, 2005.

Jung, A.P., T.S. Curtis, **M.J. Turner**, and J.T. Lightfoot. Influence of age of exposure to a running wheel on activity in young adult mice. Med. Sci. Sports Exerc. 38(1):51-56, 2006.

Lightfoot, J.T., **M.J. Turner**, A.K. Knab, A.E. Jedlicka, T. Oshimura, J. Marzec, W. Gladwell, L.J. Leamy, and S.R. Kleeberger. Quantitative trait loci associated with maximal exercise endurance in mice. J. Appl. Physiol. 103(1): 105-110, 2007.

Lightfoot, J.T., **M.J. Turner**, D. Pomp, S.R. Kleeberger, and L.J. Leamy. Quantitative trait loci for physical activity traits in mice. Physiol. Genomics. 32(3): 401-408, 2008.

Knab, A.M., R.S. Bowen, T. Moore-Harrison, A.T. Hamilton, **M.J. Turner**, and J.T. Lightfoot. Repeatability of exercise behaviors in mice. Physiol. Behav. 98: 433-440, 2009.

Turner, M.J., A.B. Williams, A.L. Williford, M.L. Cordova. A comparison of physiologic and physical discomfort responses between exercise modalities. J. Str. Cond. Res. 24: 7960803, 2010.

Jung, A.P., T.S. Curtis, **M.J. Turner**, J.T. Lightfoot. Physical activity and food consumption in high- and low-active inbred mouse strains. Med. Sci. Sports Exerc. 42: 1826-1833, 2010.

Lightfoot, J.T., Leamy, L., Pomp, D., **Turner, M.J.**, Fodor, A.A., Knab, A., Bowen, R.S., Ferguson, D., Moore-Harrison, T., and Hamilton, A. Strain screen and haplotype association mapping of wheel running in inbred mouse strains. J. Appl. Phys., 109, 623-634, 2010.

Bowen, R.S., **M.J. Turner**, J.T. Lightfoot. Sex hormone effects on physical activity levels: Why doesn't Jane run as much as Dick? Sports Med. 41: 73-86, 2011.

Refereed Abstracts Presented at Scientific Meetings

- Claytor, R.P., T.W. Journell, D.J. Torok, and **M.J. Turner**. Aerobic training attenuates the cardiac output response to psychological challenge. Med. Sci. Sports Exerc. 22 (5 Suppl.):A355, 1990.
- Claytor, R.P., **M.J. Turner**, and D.J. Cole. High-fit males exhibit differentiated cardiovascular responses to repeated behavioral challenge. Med. Sci. Sports Exerc. 23 (5 Suppl.):S42, 1991.
- Claytor, R.P., **M.J. Turner**, T.W. Journell, and J.T. Lightfoot. Diminished forearm blood flow response to behavioral challenge in endurance trained athletes. Med. Sci. Sports Exerc. 25 (5 Suppl.):S46, 1993.
- Turner, M.J.**, H. Tanaka, D.R. Bassett, Jr., and T.R. Fitton. The effect of Collier's CO₂ rebreathing technique on blood pressure at rest and during exercise. Med. Sci. Sports Exerc. 26 (5 Suppl.):S2, 1994.
- Turner, M.J.**, E.T. Howley, H. Tanaka, M. Ashraf, D.R. Bassett, Jr., and D.J. Keefer. The effect of graded epinephrine infusion on the blood lactate response to exercise. Med. Sci. Sports Exerc. 27 (5 Suppl.):S215, 1995.
- Turner, M.J.**, C.M. Mier, R.J. Spina, and A.A. Ehsani. Differences in cardiovascular responses to β -adrenergic stimulation between older men and women. Med. Sci. Sports Exerc. 28 (5 Suppl.):S51, 1996.
- Spina, R.J., **M.J. Turner**, and A.A. Ehsani. Mechanisms underlying enhanced left ventricular performance to exercise training in older men. Med. Sci. Sports Exerc. 28 (5 Suppl.):S50, 1996.
- Host, H.H., D.R. Sinacore, **M.J. Turner**, R.J. Spina, and J.O. Holloszy. Oxygen uptake at preferred gait velocities of frail elderly subjects. Phys. Ther. 76 (5):S69-S70, 1996.
- Spina, R.J., **M.J. Turner**, and A.A. Ehsani. Intrinsic cardiac adaptations to exercise training in older men. Gerontologist 36 (Suppl.):28, 1996.
- Turner, M.J.**, C.M. Mier, R.J. Spina, and A.A. Ehsani. Age-related differences in cardiovascular responses to β -adrenergic stimulation in men. Med. Sci. Sports Exerc. 29 (5 Suppl.):S11, 1997.
- Mier, C.M., **M.J. Turner**, A.A. Ehsani, and R.J. Spina. Cardiovascular adaptations to short-term training. Med. Sci. Sports Exerc. 29 (5 Suppl.):S179, 1997.
- Turner, M.J.** and R.J. Spina. Improvement in cardiac function to α -adrenergic stimulation after 12 weeks of aerobic training in men. Med. Sci. Sports Exerc. 30 (5 Suppl.):S136, 1998.
- Macchi, M.B., **M.J. Turner**, J.A. Rathmacher, and M.D. Vukovich. Influence of co-ingestion of glucose on beta-hydroxy-beta-methylbutyrate (HMB) metabolism in humans. FASEB J. 13(5):A909, Part 2, Suppl. S, 1999.

- Howden, R., I. Swain, S.J. Brown, T. Lightfoot, and **M.J. Turner**. Responses of forearm blood flow to neck suction and neck pressure in humans. J. Physiol. – London. 543:93P-94P Suppl. S, 2002.
- Turner, M.J.**, S.O. McDoniel, and B.C. Kirby. Three weeks of calcium pyruvate supplementation does not alter body composition in Division I athletes. Med. Sci. Sports Exerc. 34(5 Suppl.):S3, 2002.
- Lightfoot, J.T., **M.J. Turner**, A. Jedlicka, T. Oshimura, J. Marzec, L.J. Leamy, and S.R. Kleeberger. Genome scan for maximal aerobic capacity quantitative trait loci (QTL) in inbred mice. FASEB J. 17(5) Suppl., 2003.
- Lightfoot, J.T., **M.J. Turner**, A.M. Lowe, M.T. Lindley, and S.R. Kleeberger. - Genetic influence on daily physical activity level (PAL). - FASEB J. 17(5) Suppl., 2003.
- Turner, M.J.**, J.T. Lightfoot, and S.R. Kleeberger. Genetic influence on age-related changes in daily physical activity level. FASEB J. 17(5) Suppl., 2003.
- Jablonski, E., F.M. Hughes, J.T. Lightfoot, and **M.J. Turner**. Cardiac cell death related to physical activity level in 2 inbred mouse strains. FASEB J. 17(5) Suppl., 2003.
- Turner, M.J.**, E.M. Jablonski, N.A. McConnell, F.M. Hughes, and J.T. Lightfoot. Myocardial Cell Death Not Related to Regular Physical Activity with Aging Female Inbred Mice. Med. Sci. Sports Exerc.. 36 (5 Suppl.): S157, 2004.
- Daves, M.G., **M.J. Turner**, S.R. Kleeberger, and J.T. Lightfoot. Daily Physical Activity Level in Male Inbred Mouse Strains. Med. Sci. Sports Exerc.. 36 (5 Suppl.): S260, 2004.
- Turner, M.J.**, M.A. Graf, S.M. Courtney, C.M. Brown, and J.T. Lightfoot. Evaluation of Daily Physical Activity Phenotypes in First Generation Crossbred Mice. Physiologist, 47 (4): 339, 2004.
- Jung, A.P., T.S. Curtis, and **M.J. Turner**. Age of running wheel exposure alters wheel activity of female inbred mice. Med. Sci. Sports Exerc.. 37 (5 Suppl.): S439, 2005.
- Turner, M.J.** Age-Related Changes in Physical Activity: The Impact of Genetic Background. Section of “It May Be In The Genes: Approaches and Findings Used to Identify the Biological Determinants of Physical Activity” Symposium. Med. Sci. Sports Exerc. 38 (5 Suppl.): 68, 2006.
- Jung, A.P., N. Gasper-Smith, K.L. Bost, **M.J. Turner**, J.T. Lightfoot. Influence of Daily Running Wheel Activity on Immune Response to Infection with Murine Gammaherpesvirus-68. Med. Sci. Sports Exerc. 38 (5 Suppl.): S31, 2006.
- Lightfoot, J.T., S. Carter, M.J. Yost, J. Moser, A.M. Kleinfehn, **M.J. Turner**, S.R. Kleeberger. High Wheel-Running Activity is Inherited in Mice. Med. Sci. Sports Exerc. 38 (5 Suppl.): S48, 2006.

- Turner, M.J.**, A. El Masri, S.M. Courtney, D.G. Weih, S.R. Kleeberger, J.T. Lightfoot. Physical Activity in Second Generation Crossbred Male Mice. Med. Sci. Sports Exerc. 38 (5 Suppl.): S48, 2006.
- Kleinfehn, A.M., **M.J. Turner**, A. Jedlicka, T. Oshimura, J. Marzec, W. Gladwell, J.T. Lightfoot, S.R. Kleeberger. Fine Map Genotyping of Exercise Endurance Quantitative Trait Loci (QTLs). Med. Sci. Sports Exerc. 38 (5 Suppl.): S366, 2006.
- Dangerfield-Persky, F, J Moser, K Loiseau, S Carter, M Yost, T Moore, A Trynor, **MJ Turner**, SR Kleeberger, JT Lightfoot. Quantitative trait loci (QTL) associated with physical activity level (PAL) in inbred mice. . Med. Sci. Sports Exerc. 39 (5 Suppl.): S279, 2007.
- Moore, T, A Trynor, J Moser, A Knab, R Bowen, E Friesen, K Loiseau, **M Turner**, SR Kleeberger, JT Lightfoot. Low exercise endurance is heritable. Med. Sci. Sports Exerc. 39 (5 Suppl.): S469, 2007.
- Turner, M.J.**, E.A. Payne, S.M. Courtney, A. El Masri, L.E. Bowen, J.N. Green, S.R. Kleeberger, J.T. Lightfoot. Physical Activity Levels Between Genders Of Second Generation Mice Through The First Half Of Lifespan. Med. Sci. Sports Exerc. 39 (5 Suppl.): S280, 2007.
- Turner, M.J.**, E.P. Grindstaff, S.M. Courtney, A. El Masri, S.R. Kleeberger, J.T. Lightfoot. Relationship of body weight and physical activity with aging inbred mice and first generation offspring. Med. Sci. Sports Exerc. 40 (5 Suppl.): S236, 2008.
- Turner, M.J.**, S. Courtney, E. Grindstaff, A. El Masri, S. Kleeberger, J.T. Lightfoot. Genetic background influences daily running wheel duration across the lifespan in three generations of mice. The Physiologist. 51(6): 70, 2008.
- Turner, M.J.**, A.B. Williams, A.L. Williford, M.L. Cordova. A comparison of physiological and pain responses between exercise modalities. Med. Sci. Sports Exerc. 41(5 Suppl.): S394, 2009.
- Schmitt, E.E., T.J. Hubbard, and **M.J. Turner**. Fitness facility use does not increase step activity in independent living older adults. Med. Sci. Sports Exerc. 42 (5 Suppl.): S420, 2010.
- Turner, M.J.**, L.K. Barringe., Z.P. Jamison, A.M. Kauffman, and T.J. Hubbard. Influence of lifelong physical activity on the left ventricle in aging mice. Med. Sci. Sports Exerc. 42 (5 Suppl.): S383, 2010.
- Hubbard, T.J., A.M. Kauffman, L.K. Barringer, Z.P. Jamison, and **M.J. Turner**. Osteoarthritis: Impact of physical activity. Med. Sci. Sports Exerc. 42 (5 Suppl.): S500, 2010.
- Hall, K.J., T.J. Hubbard, and **M.J. Turner**. The effects of resistance training on muscular strength and ankle-brachial-index in those with osteoporosis. Med. Sci. Sports Exerc. 42 (5 Suppl.): S574, 2010.

Hubbard, T.J., **M.J. Turner**. Physical activity and knee osteoarthritis development in aging mice. Med. Sci. Sports Exerc. 43 (5 Suppl), S203, 2011.

Turner, M.J., T.J. Hubbard. Physical activity impacts on ventricular structure and characteristics in aging mice. Med. Sci. Sports Exerc. 43 (5 Suppl), S455, 2011.

Refereed Papers Presented At Scientific Meetings

Claytor, R.P., J.T. Lightfoot, T.W. Journell, D.J. Torok, and **M.J. Turner**. Weight training increases lower body negative pressure responses. Paper presented at the American Society on Gravitational Space Biology Annual Meetings, 1989.

Turner, M.J., T.W. Journell, and R.P. Claytor. The time course of cardiovascular adaptations to exercise training. Paper presented at the Midwest Region American College of Sports Medicine Winter Meetings, 1990.

Cole, D., **M. Turner**, and R. Claytor. Cardiovascular adaptations to repeated psychological challenge in young males. Paper presented at the Midwest Region American College of Sports Medicine Winter Meetings, 1990.

Richards, J., **M. Turner**, and R. Claytor. Cardiovascular responses to submaximal work in normotensive females with and without parental history of hypertension. Paper presented at the Midwest Region American College of Sports Medicine Winter Meetings, 1990.

Turner, M.J., R.P. Claytor, R.H. Cox, and D.J. Cole. Cardiovascular adaptations to one-leg exercise training. Paper presented at the Southeast Region American College of Sports Medicine Annual Meetings, 1994.

Howley, E.T. and **M.J. Turner**. Submaximal estimations of VO_{2max} : Assumptions, uses and pitfalls. Paper presented at the Southeast Region American College of Sports Medicine Annual Meetings, 1994.

Cerasi, D., **M.J. Turner**, K.A. DeBate, and A.B. Littrell. College-aged male body composition is not different between air displacement plethysmography vs. hydrostatic weighing. Paper presented at the Southeast Region American College of Sports Medicine Annual Meetings, Atlanta, GA, Feb. 1, 2001.

Littrell, A.B., **M.J. Turner**, K.A. DeBate, D. Cerasi. Differences in body composition of college-aged women assessed with air displacement plethysmography. Paper presented at the Southeast Region American College of Sports Medicine Annual Meetings, Atlanta, GA, Feb. 1, 2001.

Christian, N., **M. Turner**, and T. Champion. Effects of Body Composition on Performance in Male Triathletes. Paper presented at the Annual Biomedical Research Conference for Minority Students, New Orleans, LA, Nov. 15, 2002.

Lightfoot, J.T., and **M.J. Turner**. ABCs of Genetic Investigations: A Tutorial. Paper presented at the Southeast Region American College of Sports Medicine Annual Meetings, Atlanta, GA, Feb. 2, 2003

- Weih, D.G., S.M. Courtney, M.A. Graf, L.E. Stone, J.T. Lightfoot, and **M.J. Turner**. Physical Activity of Young F2 Generation from High and Low Physical Activity Level Parental Strains. Presented at the SouthEast American College of Sports Medicine Meeting, Charlotte, NC, January 27-29, 2005.
- Courtney, S.M., M.A. Graf, L.E. Stone, D.G. Weih, **M.J. Turner**, and J.T. Lightfoot. Age-Related Running Wheel Activity in First Generation Mice from High and Low Activity Parents. Presented at the SouthEast American College of Sports Medicine Meeting, Charlotte, NC, January 27-29, 2005.
- Vordermark, A.H., N.A. McConnell S.E. Carter, **M.J. Turner**, S.R. Kleeberger, and J.T. Lightfoot. Effects of Age on Daily Activity of Young Mice. Presented at the SouthEast American College of Sports Medicine Meeting, Charlotte, NC, January 27-29, 2005.
- Carter, S.E., A.H. Vordermark, **M.J. Turner**, S.R. Kleeberger, and J.T. Lightfoot. Daily Activity of F1 Mice from Strains of High Activity C57L/J and Low Activity C3H/HeJ Mouse Strains. Presented at the SouthEast American College of Sports Medicine Meeting, Charlotte, NC, January 27-29, 2005.
- Courtney, S.M., D.G. Weih, J.E. Johnson, A. El Masri, J.T. Lightfoot, and **M.J. Turner**. Physical Activity Increases With Age In First Generation Mice From High And Low Active Progenitors. Presented at the SouthEast American College of Sports Medicine Meeting, Charlotte, NC, February 9-11, 2006.
- Weih, D.G., S.M. Courtney, J.E. Johnson, A. El Masri, J.T. Lightfoot, and **M.J. Turner**. Evaluation Of Physical Activity Phenotypes In Second Generation Crossbred Male Mice. Presented at the SouthEast American College of Sports Medicine Meeting, Charlotte, NC, February 9-11, 2006.
- Yost, M.J., S.E. Carter, A.M. Kleinphen, **M.J. Turner**, and J.T. Lightfoot. Lack Of Relationship Between Weight And Physical Activity In Mice. Presented at the SouthEast American College of Sports Medicine Meeting, Charlotte, NC, February 9-11, 2006.
- Carter, S.E., A.M. Kleinphen, M.J. Yost, **M.J. Turner**, and J.T. Lightfoot. Female F2 Mice Are More Active Than Male F2 Mice. Presented at the SouthEast American College of Sports Medicine Meeting, Charlotte, NC, February 9-11, 2006.
- Bowen, L.E., J.N. Green, E.A. Payne, A. El Masri, S.M. Courtney, J.T. Lightfoot, **M.J. Turner**. Daily Physical Activity With Aging Female Second Generation Mice Is Related To Body Weight. Paper presented at the Southeast Region American College of Sports Medicine Annual Meetings, Charlotte, NC, Feb. 9, 2007.
- Courtney, S.M., E.A. Payne, L.E. Bowen, J.N. Green, A. El Masri, J.T. Lightfoot, **M.J. Turner**. Physical Activity And Left Ventricular Diastolic Function In Aging F2 Mice. Paper presented at the Southeast Region American College of Sports Medicine Annual Meetings, Charlotte, NC, Feb. 9, 2007. **First Place – Undergraduate/Masters Student Presentation Competition**

Green, J.N, S.M. Courtney, E.A. Payne, L.E. Bowen, A. El Masri, J.T. Lightfoot, **M.J. Turner**. Body Weight Is Inversely Related To Average Running Velocity In Male F2 Mice. Paper presented at the Southeast Region American College of Sports Medicine Annual Meetings, Charlotte, NC, Feb. 8, 2007.

Payne, E.M., S.M. Courtney, L.E. Bowen, J.N. Green, A. El Masri, J.T. Lightfoot, **M.J. Turner**. Physical Activity Levels Between Genders Through The First Half Of The Lifespan Of Second Generation Mice. Paper presented at the Southeast Region American College of Sports Medicine Annual Meetings, Charlotte, NC, Feb. 9, 2007.

Dangerfield-Persky, FR, JL Moser, TI Moore, AA Trynor, **MJ Turner**, JT Lightfoot. Differences in pooled DNA based on physical activity in inbred mice. Paper presented at the Southeast Region American College of Sports Medicine Annual Meetings, Charlotte, NC, Feb. 9, 2007.

M.J. Turner. What we should have learned in exercise physiology class about physical activity and genetics. Paper presented at the Southeast Region American College of Sports Medicine Annual Meetings, Charlotte, NC, Feb. 10, 2007.

Kauffman AM, Barringer LK, Jamison ZP, **Turner MJ**, Hubbard TJ. The affect of physical activity on knee osteoarthritis development. Paper presented at the Southeast Region American College of Sports Medicine Annual Meetings, Greenville, SC, February, 2009.

Barringer LK, Jamison ZP, Kauffman AM, Hubbard TJ, **Turner MJ**. The impact of physical activity on the left ventricle in aging mice. Paper presented at the Southeast Region American College of Sports Medicine Annual Meetings, Greenville, SC, February, 2009.

Jamison ZP, Kauffman AM, Barringer LK, Hubbard TJ, **Turner MJ**. Body weight and food consumption are more closely related in physically active mice. Paper presented at the Southeast Region American College of Sports Medicine Annual Meetings, Greenville, SC, February, 2009.

Chavis, M.N., Hubbard, T.J., and **Turner, M.J.** Left ventricular diastolic parameters of active and inactive aging C57BL/6J mice. Paper presented at the Southeast Region American College of Sports Medicine Annual Meetings, Greenville, SC, February, 2010.

Guderian, S.B., Hubbard, T.J., and **Turner, M.J.** The affect of physical activity on knee osteoarthritis development. Paper presented at the Southeast Region American College of Sports Medicine Annual Meetings, Greenville, SC, February, 2010.

Other Presentations

Turner, M.J. Body fat analysis in American children: The implications and applications for the school setting. Project Mentor Seminar, The University of Tennessee, Knoxville, 1992.

Turner, M.J. Cardiovascular adaptations to one-leg exercise training. Human Performance and Sport Studies Graduate Seminar, The University of Tennessee, Knoxville, 1992.

- Turner, M.J.** The Step Test: A historical perspective and its cardiovascular implications. Human Performance and Sport Studies Graduate Seminar, The University of Tennessee, Knoxville, 1993.
- Howley, E.T., **M.J. Turner**, S. Martin, and G.A. Dale. The use of computer-aided instruction: Application of Hypercard and Deltagraph Professional. Group presentation for the Human Performance and Sport Studies Graduate Seminar, The University of Tennessee, Knoxville, 1993.
- Turner, M.J.**, E.T. Howley, H. Tanaka, M. Ashraf, D.R. Bassett, Jr., and D.J. Keefer. The effect of graded epinephrine infusion on the blood lactate response to exercise. Section of Applied Physiology Seminar, Washington University School of Medicine, 1994.
- Turner, M.J.** Alpha- and Beta-Adrenergic mediated cardiovascular responses in male athletes. Section of Applied Physiology Seminar, Washington University School of Medicine, 1995.
- Turner, M.J.** Effects of age and gender on cardiovascular responses to β -adrenergic stimulation. Section of Applied Physiology Seminar, Washington University School of Medicine, 1996.
- Turner, M.J.** Lecture and demonstration about the different assessments for body composition (Underwater Weighing, Body Circumference Measurements and Ultrasound Measurements) for the Anatomy and Physiology Students from Valley Center High School (Instructor: Mr. Riley Greenwood). Presented at Wichita State University, Wichita, KS, October 1997.
- Turner, M.J.** Aspects for the development of personal exercise programs in the nonexercising population. Presentation to Nursing Majors Course N332Q: Health Promotion and Self-Care at Wichita State University, Wichita, KS, Nov. 5, 1997.
- Turner, M.J.** Physical Activity and Heart Disease: A Necessary Lifestyle Change for the Cardiac Patient. The 29th Annual Cardiovascular Nursing Seminar. American Heart Association - Heartland Affiliate, Wichita, KS, March 13, 1998.
- Turner, M.J.** Exercise as a lifestyle change for the cardiac patient. Wesley Hospital Cardiac Rehabilitation Presentation Series, Wichita, KS, March 26, 1998.
- Turner, M.J.** What is exercise physiology and how do we use it in our daily lives? Demonstrations and discussion on exercise and its affect on metabolism and body composition to the 5th grade class from Woodland Middle School, Wichita KS. (Instructor: Todd Russell, Ph.D.).
- Turner, M.J.** "The ACSM Health Fitness Instructor Certification Exam. What you need to know to succeed." NorthEast Health and Fitness Institute – Birkdale. Charlotte, NC. March 23, 1999 and April 23, 1999.
- Turner, M.J.** "Putting the gold in your golden years". Fitness February Lecture Series at UNC Charlotte. February 8, 2000.

- Turner, M.J.** “The impact of aging and exercise on human cardiac function”. Dept. of Biology Lecture Series at UNC Charlotte. December 1, 2000.
- Turner, M.J.** “The Master’s of Science Degree in Health Promotion at UNC Charlotte.” Dept. of Health and Physical Education at Winston-Salem State University, Winston-Salem, NC, Feb. 7, 2001.
- Turner, M.J.** “Physiology of Death” End of Life Conference, Office of Continuing Education, University of North Carolina Charlotte, Charlotte, NC November 7, 2001.
- Turner, M.J.** “Genetic Influence of Physical Activity and Aging” NURS 6160 – Research Methods in Nursing and Health Promotions class. University of North Carolina Charlotte, Charlotte, NC. December, 2001.
- Turner, M.J.** “Genetics of Physical Activity and Aging.” Department of Health Promotion and Kinesiology research Seminar, UNC Charlotte, Charlotte, NC. March 2002.
- Turner, M.J.** “Cardiac Cell Death and Physical Activity in Aging, Inbred Female Mice.” Dept. of Biology Colloquium Series at UNC Charlotte. November 4, 2002.
- Turner, M.J.** “Physical Activity and Aging: Genetic and Cardiac Implications.” University of North Carolina Charlotte Spotlight on Research Series, March 20, 2003.
- Turner, M.J.** “How do you get older adults active and keep track of this activity?” Dept. of Social Services, Mecklenburg County, Charlotte, NC, May 19, 2003.
- Turner, M.J.** Heritability of Daily Physical Activity with Age in Inbred and Crossbred Mice. UNC Charlotte, Department of Biology Seminar Series, October 1, 2004.
- Turner, M.J.** “So My Genes Help Determine The Amount of Physical Activity I Perform As I Age?” University of Tennessee - Knoxville, Department of Exercise, Sport, and Leisure Studies, Department Research Seminar Series, Knoxville, TN. October 17, 2005.
- Turner, M.J.** “So My Genes Help Determine The Amount of Physical Activity I Perform As I Age?” UNC Charlotte, College of Health and Human Services, College Research Speaker Series, Charlotte, NC. November 11, 2005.

THESIS COMMITTEES

Martina B. Macchi	Masters Thesis	Chair	Graduated 5/98
	“Retention of β -Hydroxy β -Methylbutyrate: Effect of Carbohydrate”		
Geri D. Dreifort	Masters Thesis	Chair	Graduated 5/98
	“Effects of Muscle Mass on the Cardiorespiratory Responses During Static Exercise in Young and Older Individuals”		
Ruth M. Bohlken	Masters Thesis		Graduated 5/98

“The Relationship Between Regular, Structured, Supervised Physical Activity and Reaction Time and Balance for Persons 60 Years of Age and Older”

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|---|----------------|--------------|-----------------|
| Shannon L. Sondergard | Masters Thesis | Chair | Graduated 8/98 |
| “The effects of exercise in warm vs. cool water on cardiovascular and metabolic responses during recovery” | | | |
| Scott O. McDoniel | Masters Thesis | Chair | Graduated 12/98 |
| “Calcium Pyruvate Supplementation Does Not Improve Muscular Performance or Decrease Body Fat, But May Accelerate Lactic Acid Production in College-Aged Anaerobic Athletes” | | | |
| Shelley C. McCarthy | Masters Thesis | Chair | Graduated 5/99 |
| “Physical activity and older adults: The relationship of personality and Stage of Change” | | | |
| Holly R. Wethington | Masters Thesis | | Graduated 8/01 |
| “Eating Disorders in Female Triathletes” | | | |
| Matthew J. Belles | Masters Thesis | | Graduated 5/03 |
| “Skill-related versus health-related activity and an assessment of physical activity in preadolescent children” | | | |
| Gina Dinse | Masters Thesis | Chair | Graduated 8/03 |
| “Cardiac Apoptosis in Physically Active Inbred Mice” | | | |
| Jera Barrier | Masters Thesis | | Graduated 8/04 |
| “The Six-Minute Walk Test Does Not Predict Heart Rate Reserve Exercise Intensity in Cardiac Rehabilitation Participants” | | | |
| Leigh Ann Spangler | Masters Thesis | | Graduated 8/04 |
| “Exercising Older Adults Pre-Select Treadmill Walking Speeds Within the American College of Sports Medicine’s Guidelines for Target Heart Rate Range” | | | |
| Melissa Graf | Masters Thesis | Chair | Graduated 8/04 |
| “The Effects of Heritability on Age-Related Changes in Physical Activity Level in Aging Genetically Active and Inactive Inbred Mice” | | | |
| Matthew Petty | Masters Thesis | | Graduated 8/06 |
| “Assessing Health Promotion Resources For UNC Charlotte Undergraduate Students” | | | |
| Keeley Loiseau | Masters Thesis | Chair | Graduated 5/07 |
| “Skeletal Muscle Mitochondrial Respiration Rate Relative to Maximal Endurance Exercise in Crossbred Mice” | | | |
| Sean Courtney | Masters Thesis | Chair | Graduated 5/08 |
| “Aged Left Ventricle, Physical Activity, and Sex in F2 Mice” | | | |
| Elizabeth Payne | Masters Thesis | Chair | Graduated 8/08 |
| “Relationship of body weight and running wheel activity across the lifespan of F ₂ mice” | | | |

Katrina Hall	Masters Thesis	Chair	Graduated 5/09
“The Impact of a Resistance Training Program on Muscular Strength, Range of Motion, and Ankle-brachial-index in Older Adults with Osteoarthritis”			
Emily Schmitt	Masters Thesis	Chair	Graduated 5/09
“Weekly Physical Activity Levels of Two Groups of Older Adults”			
David Ferguson	Masters Thesis		Graduated 5/09
“In the Heat of the Race”			
M. Nicole Chavis	Masters Thesis	Chair	In Progress
“Left Ventricular Characteristics, Sex, And Running Wheel Activity Across The Lifespan In C57Bl/6J Mice”.			

DISSERTATION COMMITTEES

Randall E. McClelland	Doctoral Dissertation		Graduated 8/02
“Engineering Mass Transport Improvements For Hepatic Devices: An Experimental And Computational Approach”			
Elizabeth Jablonski	Doctoral Dissertation		Graduated 8/05
“The Role of Aquaporins in the Initiation and Progression of the Apoptotic Volume Decrease”			
Amy Kleinfehn	Doctoral Dissertation		Graduated 8/09
“The Role Of The Dopaminergic System In The Regulation Of Physical Activity In Mice”			
David Sterka	Doctoral Dissertation		Graduated 8/09
“Intracellular Pattern Recognition Receptors Underlie Inflammatory Responses Of Glial Cells To Central Nervous System Pathogens”			
Andrea Murphy	Doctoral Dissertation		In Progress
“Functional analysis of the Large (L) polymerase protein in Rhabdoviruses and Paramyxoviruses.”			
Nirav Shah	Doctoral Dissertation		In Progress
“TBD”			

EDITORIAL ACTIVITIES

Reviewer, Journal of Applied Physiology, 1995, 2002 - Current.
Reviewer, Medicine and Science in Sports and Exercise, 1995, 1998-1999. 2000-Current.
Reviewer, Canadian Journal of Applied Physiology, 1997.
Reviewer, American Journal of Cardiology, 1998.
Reviewer, Journal of Exercise Physiology, 1998.
Reviewer, American Journal of Physiology, 1999.
Reviewer, Journal of Applied Gerontology, 2000-2001, 2003 - Current
Reviewer, Chapter of exercise physiology textbook for McGraw-Hill Publishers, 1998.

HONORS AND AWARDS

Nominated for Wichita State University College of Education Teaching Award for the academic year of 1997-98. A random sample of 5% of the students enrolled as College of Education Majors were asked to select their nominee for Teacher of the Year.

Nominated for 1998 Academy for Effective Teaching Award by the students at the Wichita State University.

Nominated for 2000 Graduate Teaching Award by the students and faculty in the College of Nursing and Health Professions, University of North Carolina Charlotte.

Nominated for 2001 Undergraduate Teaching Award by the students and faculty in the College of Nursing and Health Professions, University of North Carolina Charlotte.

Selected as Outstanding Abstract for Press Release at Annual American Physiological Society/Experimental Biology Meetings in San Diego, CA, April, 2003. Research awarded was **Turner, M.J**, J.T. Lightfoot, and S.R. Kleeberger. Genetic influence on age-related changes in daily physical activity level. (only 18 selected from over 3,000 submissions)

Awarded 2003 Undergraduate Teaching Award by the students and faculty of the College of Health and Human Services, University of North Carolina Charlotte.

Nominated 2005 Graduate Teaching Award by the students and faculty of the College of Health and Human Services, University of North Carolina Charlotte.

Nominated 2006 Undergraduate Teaching Award by the students and faculty of the College of Health and Human Services, University of North Carolina Charlotte.

Awarded 2007 Graduate Teaching Award by the students and faculty of the College of Health and Human Services, University of North Carolina Charlotte.

PROFESSIONAL ORGANIZATIONS

American College of Sports Medicine
Southeast Region, American College of Sports Medicine
American Physiological Society

SERVICE COMMITTEES

Southeastern American College of Sports Medicine
At-large member of Executive Board 2006-2008

Experimental and Applied Science Clinical Research Laboratories
Human Studies Review Committee. Academic Years of 1997-99.

Body Basics Magazine – Health-Related Magazine for African-Americans
Editorial Board – 2000-2003

Wichita State University
Institutional Review Board – Human Subjects Committee, 1997-98.
One College of Education Committee, 1997-98.
Four Departmental Committees for the Department of Health and Physical Education, 1997-98.
Department of Health and Physical Education, Chair of Exercise Physiology - Assistant
Professor Search Committee, Spring 1998.

UNC Charlotte – *Selected from over 25 different committees*
University-Level

Gerontology Advisory Committee 1998 - Current
Faculty Advisory Library Committee – 1999-2001
Undergraduate Research Conference Committee - 1999-2002
University Faculty Competitive Grants Committee – 2001-2003
University Faculty Council – 2002-2003
Institutional Animal Care and Use Committee – 2002-Current

College-Level

College Library Representative
Student Academic Affairs Committee – 2000 – 2002 (**Chair 2001-2002**)
Research Advisory Committee – 2000-2006
Ad Hoc By-Laws Committee – 2001-2002
Leadership Committee – 2001-2002, 2006-2007
College Faculty Organization Executive Committee – 2001-2002
A. Sue Kerley Grant Review Committee - 2002
Freshman Learning Community Committee – 2001-2003
College Research Space Committee (**Chair**) – 2001
Search Committee for Assoc. Dean for Research – 2002-2003
Search Committee for Dean – 2003-2004
College Curriculum Committee – 2002-2004
College Review Committee – 2004 – Current (**Chair 2005 – 2007**)
Dept. of Health Behavior and Admin. Review Committee – 2004-2006 (**Chair 2005-2006**)

Department-Level

Graduate Program Coordinator – MS in Health Promotion, 2000-2002
Graduate Program Coordinator – MS in Clinical Exercise Physiology, 2004 - 2008
Advisor for Health Fitness Student Association, 1998-2000.
Department Graduate Curriculum Committee 1998-1999 and 2000-2003
Department Review Committee - 1998-1999 and 2002-Current
Search Committee for 12 Positions (Kelly, Stiles, Brooks, Wdowik, Henning, Jung, Williford, Hubbard, Ward, Belles, Cordova, Arthur) – 1999 - 2006
Department Library Representative – 2002-2003

CERTIFICATIONS

Registered Clinical Exercise Physiologist (American College of Sports Medicine)
Health/Fitness Instructor Certification (American College of Sports Medicine)
Adult CPR Certification