

Curriculum Vitae
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James Michael Pivarnik, Ph.D.

Work Address:

Michigan State University
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Education

- B.S. (1973) Indiana University
Major: Recreation and Park Administration
- M.S. (1977) James Madison University
Major: Physical and Health Education
- Ph.D. (1982) Indiana University
Major: Human Performance (concentration in Exercise Physiology)
Minor: Endocrinology, Physiology
- M.Sc. (2004) Michigan State University
Major: Epidemiology

Post-Graduate Training

St. Louis University School of Medicine
Department of Physiology
NIH Postdoctoral Fellow (L.C. Senay, Jr, Ph.D.; advisor, 1982-84)

Professional Experience

University of Houston

Department of Health and Human Performance
Assistant Professor (1984 - 89)
Associate Professor (1989 - 91)
Adjunct Associate Professor (1991 - 94)

The University of Texas Health Science Center at Houston

Graduate School of Biomedical Sciences
Special Member of the Graduate Faculty (1985 - 90)
School of Public Health (Behavioral Sciences)
Adjunct Associate Professor (1994-present)

Baylor College of Medicine

Department of Pediatrics, Section of Nutrition & GI (primary appointment)
Department of Obstetrics and Gynecology (secondary appointment)
Assistant Professor (1991 - 94)

Texas Children's Hospital

Wellness Center
Director (1991 - 94)
Research Services
Director (1994)

Michigan State University

Department of Kinesiology (primary appointment)
Department of Epidemiology (secondary appointment)
Associate Professor (1994-1997)
Professor (1997-present)
Department of Physiology (adjunct faculty)
Department of Pediatrics and Human Development (adjunct faculty)
Director, Human Energy Research Laboratory (1994-present)
Director, Center for Physical Activity and Health [CPAH] (2003-present)
Research Integrity Officer [RIO] (2006-present)

Ancillary Training

Basic Cardiac Life Support (BCLS) for Health Care Professionals (June, 95, June 97)

Advanced Cardiac Life Support (ACLS) (June, 95, June 97)

Awards and Honors

Fellow

American College of Sports Medicine (1986)

Fellow

Research Consortium of the American Alliance for Health, Physical Education,
Recreation and Dance (1986)

Society Award

Best Abstract (co-author), Society of Perinatal Obstetricians (1989)

Spring Lecture Tour Speaker

American College of Sports Medicine (Texas Chapter; 1994)

Keynote Speaker

American College of Sports Medicine (Michigan Meeting; 1995)

Outstanding Alumnus

James Madison University, Department of Kinesiology (1995)

Fellow

National Academy of Kinesiology (1997)

Faculty Appreciation Award

The Education Graduate Student Organization at MSU (1998)

Founder's Award

Midwest Chapter of the American College of Sports Medicine (2010)

Citation Award

American College of Sports Medicine (2014)

RESEARCH AND SCHOLARLY ACTIVITY**Research and Development Grants****Grants Funded**

University of Houston College of Education (1984; \$825 direct costs)

Faculty Research Opportunities Program

Principal Investigator

Title - Effects of pedaling frequency on plasma volume shifts during incremental cycle ergometer exercise

University of Houston College of Education (1985; \$500 direct costs)

Beginning Faculty Research Support Grant

University of Houston (1985; \$35,000 direct costs)

Health Fitness Program Development Grant

Principal Investigator

Title - HOU-FIT, A health fitness program for the faculty, staff, and students of the University of Houston-University Park

University of Houston (1985; \$1,500 direct costs)

Co-PI with J.R. Morrow, Jr.

Instructional Development Grant

Title - The development of computer simulated exercise laboratory experiences

Universal Services Rehabilitation and Development, Inc. (1985; \$12,500 direct costs)

Co-PI with A.S. Jackson

Title - Validation of the electrical impedance method for calculation of body density and body fat

March of Dimes (1985 - 86; \$55,000 direct costs)

Co-PI (L. Halstead, PI)

Title - Medical, neurophysiological, and biochemical assessments of symptomatic and asymptomatic persons with paralytic polio

University of Houston (1987; \$6,000 direct costs)

Research Initiation Grant

Principal Investigator

Title - Effects of strength training and aerobic exercise on urinary indicators of muscle metabolism

American Heart Association, Texas Affiliate (1987 - 89; \$60,000 direct costs)

Co-PI (W. Lee, PI)

Title - Maternal cardiorespiratory responses to weight-bearing and nonweight-bearing exercise throughout pregnancy

Rockport Walking Institute (1988-89; \$2,500 direct costs)

Principal Investigator

Title - Metabolic and psychophysiological responses to treadmill walking exercise during normal term pregnancy

The Women's Fund for Research and Education (1988-89; \$3,000 direct costs)

Principal Investigator

Title - Effect of menstrual cycle phase on serum creatine kinase levels following endurance exercise

Baylor College of Medicine Department of OB/GYN (1989-90; \$12,500 direct costs)

Principal Investigator

Title - Exercise and pregnancy studies

University of Houston (1990-91; \$1,200 direct costs)
Limited Grant-in-Aid Program
Principal Investigator
Title - Maternal and Fetal Responses to Aerobic Exercise

Randal Sports Medicine Products Inc. (1992-94; \$5,000 direct costs)
Principal Investigator
Title- StairMaster 4000 PT Use With Children and Adolescents

Genentech, Inc (1992-94; \$350,000 direct costs)
Principal Investigator
Title- A phase II/III, randomized, double-blind, placebo-controlled, multicenter, dose-ranging study of rhIGF-I, and Nutropin (somatropin for injection) in inducing weight gain in patients with aids-associated wasting

Kellogg Company (1992-95; \$40,000 direct costs)
Principal Investigator
Title- Longitudinal Assessment of Aerobic Fitness in Black Adolescent Girls

National Institutes of Health (NHLBI, 1991-95; ~\$2,000,000 direct costs)
Consultant (D.R. Labarthe, PI)
Title- Pediatric Epidemiology for Cardiovascular Disease Risk Factors: US/Japan

Texas Department of Health, Diabetes Program (1994; \$78,831 direct costs)
Co-Investigator (J.D. Holcombe, PI)
Title- A Fourth- & Fifth- Grade Curriculum for Primary Prevention of NIDDM

Michigan State University (1994-95; College of Education RIG award; \$1,219)
Principal Investigator
Title - The Reliability of Aerobic Capacity (VO_{2max}) Testing in Adolescent Girls

Michigan State University (1995; College of Education In-House Grant Program; \$3,218)

Michigan State University (1995-96; College of Education RIG award; \$1,864)
Principal Investigator
Title - Reliability and validity of the MINI-LOGGER@ for monitoring energy expenditure and heart rate in adolescent girls

National Institutes of Health (NIAMS, 1996-2000; \$485,399 direct costs)
Co-Investigator (R.A. Meyer, PI)
Title- Physiologic Basis of Muscle Functional MRI

Michigan Department of Community Health (1996-1997; ~\$1,000,000 direct costs)
Co-Investigator (B. Given, PI)
Title - Cancer Prevention, Outreach and Supportive Care for Cancer Patients

Michigan State University (AURIG, 1997-1998; \$14,802)
Principal Investigator
Title- Determinants of Aerobic Fitness in Black and White Adolescent Girls

National Institutes of Health (NICHD, RO3HD35080-01; 1997-1999; \$98,791 direct costs)
Principal Investigator
Title - Physical Activity Assessment During Pregnancy

Michigan State University (College of Education RIG award; 1997-98; \$3,500)
Principal Investigator
Title- Determination of Body Composition in Female Athletes

Sport Biomechanics (1998; \$6,977)

Principal Investigator

Title - The use of "Bio-Grip" on walking and running performances

Michigan State University (College of Education RIG award; 1998-2000; \$4,800)

Principal Investigator

Title- Assessment of Leptin in Sedentary and Exercise Trained Young Women

Michigan State University (Families and Children Together [FACT]; 1999-2000; \$14,651)

Principal Investigator

Title- Physical Activity/Fitness and Cardiovascular Disease Risk Factors in Children Attending Michigan Charter Schools

National Institutes of Health (NHLBI 1K30HL04113-01; 1999-2005; ~\$1,250,000)

Co-Investigator (N. Paneth, PI)

Title - Training Clinical Researchers for Community Settings (TRECOS)

Michigan State University (College of Osteopathic Medicine; 2000-2001; \$18,753)

Principal Investigator

Title - The relationship of preeclampsia to plasma volume dynamics during acute exercise

Blue Cross/Blue Shield Michigan Foundation (2001-2002; \$21,955 direct costs)

Principal Investigator

Title - Relationship of preeclampsia to plasma volume dynamics

Michigan State University (College of Education RIG award; 2001; \$5,000)

Principal Investigator

Title - The role of exercise and diet on postpartum weight loss

Mott Children's Health Center (2001; \$5,538)

Principal Investigator

Title - Summer Wellness Camp

Michigan Nutrition Network (2001-2004; \$51,000)

Co-PI with A. Mallow

Title - Osteoporosis risk factor survey for adolescents

Michigan Department of Community Health/Medicaid (2004-2006; \$259,000 direct costs)

Co-Investigator (Ihouma Eneli, PI)

Title- Development of an Evidence-Based Pediatric Obesity Program for Children on Medicaid

Michigan State University FACT grant program (2004-2005; \$49,000)

Co-Investigator (Ihouma Eneli, PI)

Title - The Young Child Overweight Prevention Study (YCOPS): Phase I

Michigan State University (College of Education RIG award; 2004-2005; \$3,000)

Principal Investigator

Title- Maternal Exercise, Offspring Blood Pressure, and Growth

Ingham Regional Healthcare Foundation (2004-2005; \$4,000)

Principal Investigator

Title- Evaluation of the Teaching Children Physical Activity (PATCH) program

United Dairy Industry of Michigan (2004-2006; \$32,000)

Principal Investigator

Title- Physical activity and nutrition behaviors of "Action for Healthy Kids" students

Michigan State University FACT grant program (2005-2007; \$25,000)

Principal Investigator

Title- Healthy School Action Tool and the Adolescent Health Survey

Centers for Disease Control and Prevention (2005-2007; \$148,772)

Co-Investigator (Janet Osuch, PI)

Title- Organochlorines and sex steroids in two Michigan Cohorts (OSSM)

Michigan Department of Community Health/Medicaid (2005-2006; \$254,221 direct costs)

Co-Investigator (Kathy Majeski, PI)

Title- Improving the health status of older adult Medicaid recipients

National Institutes of Health (NICHD; 2005-2010; \$1,757,553 direct costs for 5 years)

Co-Investigator (Nigel Paneth, PI)

Title- T-32 training grant for perinatal and pediatric health issues

East Lansing School District (through a Dept of Education PEP grant; 2005-2008; \$28,000)

Principal Investigator

Title - Fitness and physical activity assessment of East Lansing students

American College of Sports Medicine (dissertation award for J. Ode, J. Knous; 2006-2008; \$10,000)

Principal Investigator

Title - Assessment of health behaviors of college students

MI Department of Natural Resources (2007; \$7,200 direct costs)

Principal Investigator

Title - Development of a treadmill test to determine aerobic fitness in Michigan Department of Natural Resources firefighters

Centers for Disease Control and Prevention (CDC R36; 2008-2009; \$35,000 direct costs for 1 year)

Principal Investigator (dissertation fellowship for PhD student Lanay Mudd)

Title - Maternal physical activity, fetal growth, and toddler body size

Michigan State University CTSI Fund (2010-2011; \$25,000)

Co-Investigator (K Pfeiffer, PI)

Title - Evaluation of the effectiveness of the Crim Fit Youth program

National Aeronautics and Space Administration (2013-2016, \$1,190,655)

Co-Investigator (D Feltz, PI)

Title - Cyber Partners: Harnessing group dynamics to boost motivation for more efficient exercise

National Institutes of Health (RO3; 2014-2017, \$153,000)

Co-Investigator and PI (L Mudd, PI, then J Pivarnik, PI)

Title - Maternal physical activity during pregnancy, lipid levels and birth weight

NIRSA Foundation (2015-2016, \$7,343)

Principal Investigator

Title - Interrelationships among college student physical activity, club and intramural sports participation, and academic performance

NIRSA Foundation (2016-2018, \$19,839)

Principal Investigator

Title - The role of recreational sports in student academic success and overall well-being

Grants Submitted

US Office of Research Integrity (ORI) (2016-2017, \$15,238)

Co-Investigator (B Martinson, PI)

Title - Exposure to authorship credit misallocation and subsequent research behavior

Editorial Responsibilities

Associate Editor

Medicine and Science in Sports and Exercise (1996-2000; 2004-2008)

Section Editor (exercise physiology)

Research Quarterly for Exercise and Sport (1993-1999)

Editorial Board

Medicine and Science in Sports and Exercise (1995-96; 2000-2004)

Pediatric Exercise Science (2002-2015)

The American Journal of Medicine and Sports (2004)

ACSM Fit Society Newsletter (2007-2010)

Manuscript Reviewer

American Journal of Cardiology

American Journal of Clinical Nutrition

American Journal of Epidemiology

American Journal of Lifestyle Medicine

American Journal of Obstetrics and Gynecology

Annals of Epidemiology

BMC Gynecology

British Journal of Nutrition

British Journal of Sports Medicine

Canadian Journal of Applied Physiology

Chronobiology International

Clinical Journal of Sports Medicine

Developmental Origins of Health and Disease

Exercise and Sport Sciences Reviews

Health Promotion Journal of Australia

International Journal of Sports Medicine

International Journal of Sports Nutrition and Exercise Metabolism

JAMA

Journal of Adolescent Health

Journal of Applied Physiology

Journal of Athletic Training

Journal of Cardiopulmonary Rehabilitation

Journal of Measurement in Physical Education and Exercise Science

Journal of Pediatrics

Journal of Physical Activity and Health

Kinesiology Review

Medicine and Science in Sports and Exercise

Obesity

Paediatric and Perinatal Epidemiology

Pediatric Exercise Science

Pediatric Research

Perceptual and Motor Skills

Preventive Medicine

Research Quarterly for Exercise and Sport

The American Journal of Medicine & Sports

Women in Sport and Physical Activity

Abstract Reviewer

American Alliance for Health, Physical Education, Recreation and Dance
American College of Sports Medicine
American College of Sports Medicine (Midwest Chapter)
North American Society for Pediatric Exercise Medicine

Book Reviewer

Sports Medicine Bulletin (ACSM)
Human Kinetics Publishers, Inc.
Science Books and Films, Inc.
The Journal of Physical Education and Recreation

Professional Societies

American Alliance for Health, Physical Education, Recreation and Dance, 1981-1994 (Fellow)
American College of Sports Medicine, 1978-present (Fellow)
American College of Sports Medicine, Midwest Chapter, 1994-present
American College of Sports Medicine, Texas Chapter, 1984-94
American Physiological Society, 1984-2004
National Academy of Kinesiology, 1997-present (Fellow)
North American Society for Pediatric Exercise Medicine, 1992-2014
NIRSA, 2014-present

Peer Reviewed Publications

1. **Pivarnik, J.M.**, E.M. Leeds, and J.E. Wilkerson. Effects of endurance exercise on metabolic water production and plasma volume. *J Appl Physiol* 56: 613-618, 1984.
2. **Pivarnik, J.**, T. Kayrouz, and L.C. Senay, Jr. Plasma volume and protein content in progressive exercise: influence of cyclooxygenase inhibitors. *Med Sci Sports Exerc* 17: 153-157, 1985.
3. Senay, L.C., Jr., and **J.M. Pivarnik**. Fluid shifts during exercise. *Exerc Sport Sci Rev* 13: 335-387, 1985.
4. **Pivarnik, J.M.**, and L.C. Senay, Jr. Effects of exercise detraining and deacclimation to the heat on plasma volume dynamics. *Eur J Appl Physiol* 55: 222-228, 1986.
5. Hickson, J.F., Jr., J.W. Schrader, **J.M. Pivarnik**, and J.E. Stockton. Nutritional intake from food sources of soccer athletes during two stages of training. *Nutr Rep Internat* 34: 85-91, 1986.
6. **Pivarnik, J.M.**, M.P. Goetting, and L.C. Senay, Jr. The effects of body position and exercise on plasma volume dynamics. *Eur J Appl Physiol* 55: 450-456, 1986.
7. Hickson, J.F., I. Wolinsky, G.P. Rodriguez, **J.M. Pivarnik**, M.C. Kent, and N.W. Shier. Failure of weight training to influence selected urinary indices of protein metabolism in men. *Med Sci Sports Exerc* 18: 563-567, 1986.
8. **Pivarnik, J.M.**, and L.C. Senay, Jr. Effect of endurance training and heat acclimation on perceived exertion during exercise. *J Cardiopulm Rehabil* 6: 499-504, 1986.
9. Hickson, J.F., Jr., I. Wolinsky, **J.M. Pivarnik**, E.A. Neuman, J.F. Itak, and J.E. Stockton. Nutritional profile of football athletes eating from a training table. *Nutr Res* 7: 27-34, 1987.
10. **Pivarnik, J.M.**, M.P. Goetting, and L.C. Senay, Jr. Effect of endurance training and heat acclimation on aerobic capacity, blood volume and plasma testosterone. *J Appl Sport Sci Res* 1: 33-35, 1987.

11. **Pivarnik, J.M.**, S.J. Montain, J.E. Graves, and M.L. Pollock. Alterations in plasma volume, electrolytes and protein during incremental exercise at different pedal speeds. *Eur J Appl Physiol* 57: 103-109, 1988.
12. **Pivarnik, J.M.**, T.R. Grafner, and E.S. Elkins. Metabolic, thermoregulatory, and psychophysiological responses during arm and leg exercise. *Med Sci Sports Exerc* 20: 1-5, 1988.
13. **Pivarnik, J.M.**, S.J. Montain, J.E. Graves, and M.L. Pollock. Effects of pedal speed during incremental cycle ergometer exercise. *Res Q Exerc Sport* 59: 73-77, 1988.
14. Risser, W.L., E.J. Lee, H.B.W. Poindexter, M.S. West, **J.M. Pivarnik**, J.M.H. Risser, and J.F. Hickson. Iron deficiency in female athletes: its prevalence and impact on performance. *Med Sci Sports Exerc* 20: 116-121, 1988.
15. Hickson, J.F., Jr., J.J. Vogel, I. Wolinsky, **J.M. Pivarnik**, and T. Trampusch. Urinary calcium excretion and bodybuilding exercise. *Nutr Rep Internat* 38: 1049-1056, 1988.
16. **Pivarnik, J.M.**, and J.E. Wilkerson. Recovery metabolism and thermoregulation of endurance trained and heat acclimatized men. *J Sports Med Phys Fit* 28: 375-380, 1988.
17. **Pivarnik, J.M.** Response to "Equations to Calculate the Effects of Plasma Volume Change on Blood and Plasma Concentrations". *Res Q Exerc Sport* 59: 363, 1988. (Dialogue)
18. Hickson, J.F., Jr., **J.M. Pivarnik**, and I. Wolinsky. Diurnal urinary urea excretion and bodybuilding exercise. *Nutr Rep Internat* 39: 845-850, 1989.
19. **Pivarnik, J.M.**, J.F. Hickson, Jr., and I. Wolinsky. Urinary 3-methylhistidine excretion increases with repeated weight training exercise. *Med Sci Sports Exerc* 21: 283-287, 1989.
20. Clark, S.L., D.B. Cotton, W. Lee, C. Bishop, T. Hill, J. Southwick, **J. Pivarnik**, T. Spillman, G.R. Devore, J. Phelan, G.D.V. Hankins, T.J. Benedetti, and D. Tolley. Central hemodynamic assessment of normal term pregnancy. *Am J Obstet Gynecol* 161: 1439-1442, 1989.
21. **Pivarnik, J.M.**, and N.W. Sherman. Responses of Aerobically Fit Men and Women to Uphill/Downhill Walking and Slow Jogging. *Med Sci Sports Exerc* 22: 127-130, 1990.
22. Bucci, L., J.F. Hickson, Jr., **J.M. Pivarnik**, I. Wolinsky, J.C. McMahon, and S.D. Turner. Ornithine ingestion and growth hormone release in bodybuilders. *Nutr Res* 10: 239-245, 1990.
23. **Pivarnik, J.M.**, W. Lee, S.L. Clark, D.B. Cotton, H.T. Spillman, and J.F. Miller. Cardiac output responses of primigravid women during exercise determined by the direct Fick technique. *Obstet Gynecol* 75: 954-959, 1990.
24. Hickson, J.F., Jr., I. Wolinsky, and **J.M. Pivarnik**. Repeated days of bodybuilding exercise do not enhance urinary nitrogen excretions from untrained young adult males. *Nutr Res* 10: 723-730, 1990.
25. Fodetar L.K., J.M. Slopis, P.A. Narayana, M.J. Fenstermacher, **J. Pivarnik**, I.J. Butler. Proton magnetic resonance of exercise-induced water changes in gastrocnemius muscle. *J Appl Physiol* 69: 1695-1701, 1990.
26. **Pivarnik, J.M.**, W. Lee, J.F. Miller, and J. Werch. Alterations in plasma volume and protein during cycle exercise throughout pregnancy. *Med Sci Sports Exerc* 22: 751-755, 1990.
27. Lee, W., J. Werch, R. Rokey, **J. Pivarnik**, and J. Miller. Physiologic observations of pregnant women undergoing prophylactic erythrocytapheresis for sickle cell disease. *Transfusion*. 31: 59-62, 1991.

28. Clark, S.L., D.B. Cotton, **J.M. Pivarnik**, W. Lee, G.D.V. Hankins, T.J. Benedetti, and J.P. Phelan. Position change and central hemodynamic profile during normal third-trimester pregnancy and postpartum. *Am J Obstet Gynecol* 164: 883-887, 1991.
29. **Pivarnik, J.M.**, W. Lee, and J.F. Miller. Physiological and perceptual responses to cycle and treadmill exercise during pregnancy. *Med Sci Sports Exerc* 23: 470-475, 1991.
30. **Pivarnik, J.M.**, C.J. Marichal, T. Spillman, and J.R. Morrow, Jr. Menstrual cycle phase affects temperature regulation during endurance exercise. *J Appl Physiol* 72: 543-548, 1992.
31. Lee, W., and **J.M. Pivarnik**. Hemodynamic studies during pregnancy. *J Maternal-Fetal Med* 1: 75-77, 1992.
- 32. Bray, M.S., J.R. Morrow, Jr., **J.M. Pivarnik**, and J.T. Bricker. Caltrac validity for estimating caloric expenditure with children. *Pediatr Exerc Sci* 4: 166-179, 1992.
33. **Pivarnik, J.M.**, W. Lee, T. Spillman, S.L. Clark, D.B. Cotton, and J.F. Miller. Maternal respiration and blood gases during aerobic exercise performed at moderate altitude. *Med Sci Sports Exerc* 24: 868-872, 1992.
34. Bucci, L.R., J.F. Hickson, Jr., I. Wolinsky, and **J.M. Pivarnik**. Ornithine supplementation and insulin release in bodybuilders. *Internat J Sports Nutr* 2: 287-291, 1992.
35. **Pivarnik, J.M.**, J.E. Fulton, W.C. Taylor, and S.A. Snider. Aerobic capacity in Black adolescent girls. *Res Q Exerc Sport* 64: 202-207, 1993.
- 36. Crowhurst, M.E., J.R. Morrow, Jr., **J.M. Pivarnik**, and J.T. Bricker. Determination of the aerobic benefit of selected physical education activities. *Res Q Exerc Sport* 64: 223-226, 1993.
- 37. Olle, M.M., **J.M. Pivarnik**, W.J. Klish, and J.R. Morrow, Jr. Body composition of sedentary and physically active spinal cord-injured individuals estimated from total body electrical conductivity. *Arch Phys Med Rehabil* 74: 706-710, 1993.
38. **Pivarnik, J.M.**, N.A. Ayres, M.B. Mauer, D.B. Cotton, B. Kirshon, and G.A. Dildy. Effects of maternal aerobic fitness on cardiorespiratory responses to exercise. *Med Sci Sports Exerc* 25: 993-998, 1993.
39. McMurray, R.G., M.F. Mottola, L.A. Wolfe, R. Artal, L. Millar, and **J.M. Pivarnik**. Recent advances in understanding maternal and fetal responses to exercise. *Med Sci Sports Exerc* 25: 1305-1321, 1993.
40. **Pivarnik, J.M.**, M.B. Mauer, N.A. Ayres, B. Kirshon, G.A. Dildy, and D.B. Cotton. Effects of chronic exercise on blood volume expansion and hematologic indices during pregnancy. *Obstet Gynecol* 83: 265-269, 1994.
- 41. Sklansky, M.S., **J.M. Pivarnik**, E.O. Smith, J. Morris, and J.T. Bricker. Exercise training hemodynamics and the prevalence of arrhythmias in children following tetralogy of fallot repair. *Pediatr Exerc Sci* 6: 188-200, 1994.
42. Clark, S.L., J. Southwick, **J.M. Pivarnik**, D.B. Cotton, G.D.V. Hankins, and J.P. Phelan. A comparison of cardiac index in normal term pregnancy using thoracic electrical bio-impedance and oxygen extraction (FICK) techniques. *Obstet Gynecol* 83: 669-672, 1994.
43. **Pivarnik, J.M.** Response to "letter to the editor" by R.C. Goodlin concerning effects of chronic exercise on blood volume expansion and hematologic indices during pregnancy. *Obstet Gynecol* 83: 802, 1994.

- 44. Bray M.S., W.W. Wong, J.R. Morrow, Jr., N.F. Butte, and **J.M. Pivarnik**. Caltrac versus calorimeter determination of 24-hour energy expenditure in female children and adolescents. *Med Sci Sports Exerc* 26: 1524-1530, 1994.
45. Ellis, K.J., R.J. Shypailo, **J.M. Pivarnik**, B.H. Jenks, P. Walzel, and P.D.K. Lee. Body composition of HIV-infected male adults with wasting syndrome. *Asia Pacific J Clin Nutr* 4: 105-108, 1995.
- 46. Fulton, J.F., **J.M. Pivarnik**, W.C. Taylor, S.A. Snider, A.L. Tate, and R.F. Frankowski. Prediction of maximum voluntary ventilation (MVV) in African-American adolescent girls. *Pediatr Pulmonol* 20: 225-233, 1995.
47. **Pivarnik, J.M.**, M.S. Bray, A.C. Hergenroeder, R.B. Hill, and W.W. Wong. Ethnicity affects aerobic fitness in U.S. adolescent girls. *Med Sci Sports Exerc* 27: 1635-1638, 1995.
48. Lee, P.D.K., **J.M. Pivarnik**, J.G. Bukar, N. Muurahainen, P.S. Berry, P.R. Skolnik, J.L. Nerad, K.A. Kudsk, L. Jackson, K.J. Ellis, and N. Gesundheit. A randomized, placebo-controlled trial of combined insulin-like growth factor-I and low-dose growth hormone therapy for wasting associated with human-immunodeficiency virus infection. *J Clin Endocrinol Metab* 81: 2968-2975, 1996.
49. Ellis K.J., P.D.K. Lee, **J.M. Pivarnik**, J.G. Bukar, and N. Gesundheit. Changes in body composition of HIV-infected males receiving insulin-like growth factor-I and growth hormone. *J Clin Endocrinol Metab* 81: 3033-3038, 1996.
50. **Pivarnik, J.M.**, M.C. Dwyer, and M.A. Lauderdale. The reliability of aerobic capacity (VO₂max) testing in adolescent girls. *Res Q Exerc Sport* 67: 345-348, 1996.
51. Geva T., M.B. Mauer, L. Striker, B. Kirshon, and **J.M. Pivarnik**. Effects of physiologic load of pregnancy on left ventricular contractility and remodeling. *Am Heart J* 133: 53-59, 1997.
52. **Pivarnik, J.M.**, W.C. Taylor, and S.S. Cummings. Longitudinal assessment of aerobic fitness in middle-school African American girls. *Pediatr Exerc Sci* 10: 21-27, 1998.
53. **Pivarnik, J.M.** The potential effects of maternal physical activity on birthweight. *Med Sci Sports Exerc* 30: 400-406, 1998.
54. Ellis, K.J., P.D.K. Lee, **J.M. Pivarnik**, J.G. Bukar, and N. Gesundheit. Body composition of HIV/AIDS Males: Effects of treatment with insulin-like growth factor (IGF-I) and growth hormone (GH). *Appl Radiat Isot* 49: 653-655, 1998.
- 55. Ryan, N.D., J.R. Morrow Jr., **J.M. Pivarnik**, and T.J. Michaud. Reliability and validity characteristics of cardiorespiratory responses on the StairMaster 4000PT®. *Meas Phys Educ Exerc Sci* 2: 115-126, 1998.
- 56. Troutman, S.R., K.M. Allor, D.C. Hartmann, and **J.M. Pivarnik**. Mini-Logger® reliability and validity for estimating energy expenditure and heart rate in adolescents. *Res Q Exerc Sport* 70: 70-74, 1999.
- 57. Fornetti, W.C., **J.M. Pivarnik**, J.M. Foley, and J.J. Fiechtner. Reliability and validity of body composition measures in female athletes. *J Appl Physiol* 87: 1114-1122, 1999.
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Publications Submitted or in Revision

- White, E.E., K.A. Pfeiffer, C.B. Holzman, **J.M. Pivarnik**. Motives for and barriers to exercising across trimesters of pregnancy in health club members. *International Journal of Sport and Exercise Psychology* (in revision)
 - Marshall, M.R., A.H.K. Montoye, M.R. Conway, R.A. Schlaff, K.A. Pfeiffer, **J.M. Pivarnik**. Changes in step counts and walking cadence across pregnancy and postpartum. *J Sport Health Sci* (in review)
 - Deere, S.J., R.N. McNeil, L.M. Mudd, K.A. Renn, **J.M. Pivarnik**. Relationship between recreational sports fitness center use and college student one-and two-year retention. *J College Student Retention: Research, Theory & Practice* (in review)
- Feltz, D.L., C. Hill, S. Samendinger, N.D. Myers, N.L. Kerr, **J.M. Pivarnik**, B. Winn, A.Ede, L. Ploutz-Snyder. Can simulated partners boost effort in long-term exercise? *J Sport Exerc Psych* (in review)
- Kiss, J.E., **J.M. Pivarnik**, K. Maier, R. McNeil, J. Knous. The relationship between campus recreation programs and student academic success. *J Student Affairs Res Practice* (in review)
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Invited Publications (peer reviewed)

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Books and Book Chapters

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- 206. Smith, A.G., A.N. Triplett, C.R. Hill, S.J. Deere, **J.M. Pivarnik**, L.Ploutz-Snyder, D. Feltz. Changes in muscular strength over a 24-week cycle ergometer interval program. ACSM Abstracts, 2016.
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- 217. Pruet, M.L., A.N. Triplett, C.R. Hill, S.J. Deere, L. Ploutz-Snyder, **J.M. Pivarnik**, D.L. Feltz. Changes in VO₂max and muscular strength over a 24-week cycle ergometer interval program among active middle-age adults. ACSM Abstracts, 2017.
- 218. Triplett, A.N., D.P. Carrier, **J.M. Pivarnik**. Relationship between physiological/Anthropometric profiles and future NHL status among division I collegiate ice hockey players. ACSM Abstracts, 2017.
- 219. Conway M.R., M.R. Marshall, R.A. Schlaff, K.A. Pfeiffer, **J.M. Pivarnik**. Comparison of physical activity obtained via questionnaire and accelerometry during pregnancy and postpartum. ACSM Abstracts, 2017.
- 220. Ricci, J. R.A. Pfeiffer, K.A. Clevenger, **J.M. Pivarnik**, S. Sellers. Sport and physical activity lesson participation and health-related variables in low-income youth. ACSM Abstracts, 2017.

221. Stannard, A.B., L.M. Mudd, **J.M. Pivarnik**, J. Kerver, L Weatherspoon. Factors associated with household and job physical activity in low-income pregnant women: ecological perspective. ACSM Abstracts, 2017.
- 222. Groetach, J.A., A.N. Triplett, **J.M. Pivarnik**. Comparison of heart rate, speed, and sprints performed by a division I college female field hockey team using game data. ACSM Abstracts, 2018.
- 223. Vasold, K.L., S.J. Deere, **J.M. Pivarnik**. Self-reported wellness benefits of recreational sports use in college freshmen. ACSM Abstracts, 2018.
- 224. Triplett, A.N., M. Vorkapich, **J.M. Pivarnik**. Match-play analysis of physiological and movement variables in men's and women's division I soccer players. ACSM Abstracts, 2018.
- (First author was a student or trainee working with J.M. Pivarnik)

Invited Academic Presentations

National or International

1. **Pivarnik, J.M.** "Overview: Key Issues in Sports, Activity, and Health for Youth", presented at the Joint Commission on Sports Medicine and Science Annual Meeting; St. Louis, MO; Mar, 2002.
2. **Pivarnik, J.M.**, J. Monroe, and L. Nassar. The interdisciplinary approach to treating high school and collegiate athletes. Symposium presented at the North American Society for Pediatric Exercise Medicine biennial meeting; East Lansing, MI; Aug, 2002.
3. **Pivarnik, J.M.** "Physical activity and exercise during pregnancy: From historical guidelines to future research directions", presented at the Centers for Disease Control and Prevention (CDC), Nutrition and Physical Activity branch; July, 2005.
4. **Pivarnik, J.M.** "Current guidance about weight control and physical exercise". Presented at an NICHD sponsored workshop on Obesity, Women's Health, and Pregnancy; June, 2006.
5. **Pivarnik, J.M.** "Physical activity during pregnancy and the postpartum period: What's a mother to do?", presented at the Sports Cardiovascular and Wellness Nutritionists 23rd Annual Symposium, Austin, TX, April, 2007.
6. **Pivarnik, J.M.** "Physical activity during pregnancy and the postpartum period", presented at the 9th annual meeting of the Diabetes in Pregnancy Study Group of North America, NYC, May, 2007.
7. **Pivarnik, J.M.** "Physical activity and exercise during pregnancy and the postpartum period: What's a mother to do?", presented at the 12th annual ACSM Health and Fitness Summit, Long Beach, CA, March, 2008.
8. **Pivarnik, J.M.** "Pregnancy, Obesity, and Physical Activity", presented at the 10th Annual Conference on the Prevention and Treatment of Overweight & Obese Individuals, Kansas City, MO, Sept, 2008.
9. **Pivarnik, J.M.** "Overview of issues related to physical activity in maternal and child populations:", presented at the Promoting Healthy Weight colloquium, University of Tennessee, Knoxville, TN, March, 2009.
10. **Pivarnik, J.M.** "Exercise During Pregnancy and the Postpartum", presented at the International Meeting of Sport Science Research, Sao Paulo, BR, Oct, 2009.
11. **Pivarnik, J.M.** U.S. Initiatives For Physical Activity: How Do We Put Them All Together?", presented at the 14th annual ACSM Health and Fitness Summit, Austin, TX, April, 2010.

12. **Pivarnik, J.M.** and C. Winters. "Exercise is Medicine On Campus: Time to get involved." to be presented at the 16th annual ACSM Health and Fitness Summit, Las Vegas, NV, March, 2012.
13. **Pivarnik, J.M.** Physical Activity Before, During, and After Pregnancy: A Weighty Issue. Presented at the American Psychological Association Annual Meeting (APA/ACSM exchange lecture), Orlando, FL, Aug, 2012.
14. **Pivarnik, J.M.** Exercise and pregnancy, past, present and future, Presented at the Huffines Institute Discussion 2013, Texas A+M University, Nov, 2013.
15. **Pivarnik, J.M.** Physiological adaptations to exercise during pregnancy. Presented as part of a symposium at Experimental Biology, San Diego, CA, April, 2014
16. Melton, B. **J. Pivarnik.** NPAP applications in colleges and universities, Presented at the National Physical Activity Plan Alliance Summit, Washington, DC, Feb, 2015.
17. **Pivarnik, J.M.** Exercise during pregnancy, where we have been, where we are going, Presented at the Exercise Science and Health meeting, Cold Spring Harbor, NY, March, 2015.
18. **Pivarnik, J.M.,** Structured physical activity during pregnancy reduces risk of caesarean delivery, <https://soundcloud.com/bmjpodcasts/structured-physical-activity-during-pregnancy-reduces-risk-of-caesarean-delivery?in=bmjpodcasts/sets/ebn-podcast>. BMJ Podcast, April, 2016.
19. **Pivarnik, J.M.,** S.J. Deere, K.L. Vasold. Interrelationships among college student physical activity, club and intramural sports participation, and academic performance. Presented at the NIRSA annual meeting, Orlando, FL, April, 2016.
19. **Pivarnik, J.M.,** How I got to where I am. Pre-conference Graduate and Early Career Day, ACSM Annual Meeting, Boston, MA, May, 2016.
20. **Pivarnik, J.M.,** Rules and ethics of authorship; not as easy as it looks. Tutorial Lecture. ACSM Annual Meeting, Minneapolis, MN, May, 2018

Regional

1. **Pivarnik, J.M.** Maternal Exercise During Pregnancy. Presented at the Southwest section of the Society for Experimental Biology and Medicine regional meeting; Fall, 1989.
2. **Pivarnik, J.M.** Pregnancy and Exercise. Presented as part of a symposium at the American Alliance for Health, Physical Education, Recreation and Dance national convention; April, 1992.
3. **Pivarnik, J.M.** "Exercise During Pregnancy: Maternal and Fetal Effects", Presented at OB/GYN Grand Rounds at The Women's Hospital of Texas; Feb, 1993.
4. **Pivarnik, J.M.,** and A.C. Hergenroeder. "Physiological and Medical Considerations in the Female Athlete", presented to the Texas Orthopaedic Association section of the Texas Medical Association Annual Meeting; April, 1993.
5. **Pivarnik, J.M.,** and J.E. Fulton. "Exercise capacity and pulmonary function values of African-American adolescent girls", presented to the Southwest Center for Prevention Research, Centers for Disease Control; Sept, 1993.
6. **Pivarnik, J.M.** "Physical fitness and exercise performance in females throughout the aging process", presented at the Texas chapter of the American College of Sports Medicine annual meeting; Feb, 1994.
7. **Pivarnik, J.M.** "Exercise performance and fitness in young females", presented at the 3rd Annual Sports Performance Symposium at Southwest Texas State University; April, 1994.

8. **Pivarnik, J.M.** "Temperature regulation: Implications for exercise prescription", presented at the American College of Sports Medicine (ACSM) Exercise Specialist workshop at William Beaumont Hospital; Aug, 1995.
9. **Pivarnik, J.M.** "Temperature regulation: Implications for exercise prescription", presented at the American College of Sports Medicine (ACSM) Exercise Specialist workshop at William Beaumont Hospital; Aug, 1996.
10. **Pivarnik, J.M.** "Temperature regulation: Implications for exercise prescription", presented at the American College of Sports Medicine (ACSM) Exercise Specialist workshop at William Beaumont Hospital; Aug, 1997.
11. **Pivarnik, J.M.** "Temperature regulation: Implications for exercise prescription", presented at the American College of Sports Medicine (ACSM) Exercise Specialist workshop at William Beaumont Hospital; Aug, 1998.
12. **Pivarnik, J.M.** "Temperature regulation: Implications for exercise prescription", presented at the American College of Sports Medicine (ACSM) Exercise Specialist workshop at William Beaumont Hospital; Aug, 1999.
13. **Pivarnik, J.M.** "The importance of physical activity for youth", workshop presented at the 29th annual Tuuri Day Conference on Strategies to Help Children Overcome Major Health Threats; Flint, MI; Oct, 2001.
14. **Pivarnik, J.M.** "Authorship and Publication Issues: Are there rules, or just opinions?". Tutorial lecture presented at the Midwest Chapter of the American College of Sports Medicine annual meeting; Oct., 2006.
15. **Pivarnik, J.M.** "Exercise During Pregnancy and the Postpartum", presented at the Southwest ACSM Regional Chapter meeting, Oct, 2009.
16. **Pivarnik, J.M.** "Exercise During Pregnancy and the Postpartum", presented at the Southeast ACSM Regional Chapter meeting, Feb, 2010.
17. **Pivarnik, J.M.** "What every student (and most faculty) need to know about authorship!", presented at the Midwest ACSM Regional Chapter meeting, Nov, 2018.

Local

1. **Pivarnik, J.M.**, and T. Brown. "Sports (playground) Injuries", presented at the Fourth Annual School Nurse Workshop; Oct, 1993.
2. **Pivarnik, J.M.** "Wellness Programs for Children", presented to the second year MPT students at The University of Texas Medical Branch at Galveston; April, 1999.
3. **Pivarnik, J.M.** "Exercise During Pregnancy", presented at Grand Rounds for the Department of Obstetrics and Gynecology at Wayne State University; Mar, 1995.
4. **Pivarnik, J.M.** "Exercise During Pregnancy", presented at MSU Dept of Osteopathic Medicine OB/GYN residents' conference at Lansing, MI; Mar, 1995.
5. **Pivarnik, J.M.** "The practical application of physiological testing in the sport of ice hockey", presented at the USA Hockey Master Level Coaching Symposium at Michigan State University; July, 1995.

6. **Pivarnik, J.M.** "Exercise During Pregnancy", presented at Dept of Food Science and Human Nutrition Community Nutrition lecture series at Michigan State University; Oct, 1995.
7. **Pivarnik, J.M.** "Exercise During Pregnancy", presented at the Program in Epidemiology Seminar Series at Michigan State University; Mar, 1996.
8. **Pivarnik, J.M.** "Exercise During Pregnancy: Historical Guidelines, Current Findings", presented at a seminar entitled "A Closer Look into Exercise on Women's Health Issues" at the University of Toledo; Toledo, OH; Jun, 1996.
9. **Pivarnik, J.M.** "Physical activity, fitness and mortality", presented at the Michigan Department of Community Health Epidemiology Seminar Series; May, 1997.
10. **Pivarnik, J.M.** "Physical activity behaviors and the fitness levels of students", breakout session presented at the K-12 Professional Development Conference presented by the MSU College of Education; Oct, 1997.
11. **Pivarnik, J.M.** "Exercise/stress and fitness testing", MSU Sports Medicine Grand Rounds; Dec, 1997.
12. **Pivarnik, J.M.** "Physical activity and exercise during pregnancy: epidemiological findings and future research directions", presented as a special seminar at the University of Pittsburgh Department of Epidemiology; Nov, 1998.
13. **Pivarnik, J.M.** "Physical activity and exercise during pregnancy", presented as a special seminar at Wake Forest University Department of Health and Exercise Science; Nov, 1999.
14. **Pivarnik, J.M.** "Physical activity and exercise during pregnancy: From historical guidelines to future research directions", presented at the monthly seminar series, University of Michigan Division of Kinesiology; Apr, 2000.
15. **Pivarnik, J.M.** "Physical activity and exercise during pregnancy", presented as a special seminar at Purdue University Department of Health, Kinesiology, and Leisure Studies; April, 2000.
16. **Pivarnik, J.M.** "Exercise testing the intercollegiate athlete", presented at the Sports Medicine 2000 conference, Michigan State University; May, 2000.
17. **Pivarnik, J.M.** "Physical activity and exercise during pregnancy and the postpartum period", presented at the 15th annual Sparrow Health Care System Perinatal/Neonatal symposium; Nov, 2000.
18. **Pivarnik, J.M.** "Physical activity and exercise during pregnancy and the postpartum period", presented at the Sparrow Health Care System OBGYN grand rounds; Oct, 2001.
19. **Pivarnik, J.M.** "Physical activity and exercise during pregnancy", presented as an invited seminar at Bowling Green State University Department of Human Movement, Sport and Leisure Studies; Nov, 2002.
20. **Pivarnik, J.M.** "Role of physical activity and health for youth", presented at the Sparrow Health Care System Pediatrics grand rounds; Dec, 2002.
21. **Pivarnik, J.M.** "The relationship between maternal physical activity and birth weight", presented at the Alma College Department of Exercise and Health Science journal club; Oct, 2003.
22. **Pivarnik, J.M.** "The role of physical activity in health and disease", presented at the Dept of Food Science, Health and Nutrition, Michigan State University; Mar, 2004.
23. **Pivarnik, J.M.** Served as a faculty panelist for MT 150 (Preview of Biomedical Research) class; Kathleen Hoag, instructor; April, 2004.

24. **Pivarnik, J.M.** "Healthy Kids", presented at the MSU College of Education National Advisory Group, Oct, 2006.
25. **Pivarnik, J.M.** and K. Burt. "IRB Basics 1", presented at the MSU Fall IRB Conference; Oct, 2006.
26. **Pivarnik, J.M.** "Physical activity during pregnancy and the postpartum period", presented at the Institute of Medicine conference on evidence for physical activity guidelines, Oct., 2006.
27. **Pivarnik, J.M.** "Physical activity and exercise during pregnancy: From historical guidelines to future research directions", presented at the University of Illinois, Dept of Kinesiology seminar series, Feb, 2007.
28. **Pivarnik, J.M.** "Physical activity and exercise during pregnancy: From historical guidelines to future research directions", presented at the Perinatal Biology and Reproduction class at Wayne State University Medical School, March, 2007.
29. **Pivarnik, J.M.** "Physical activity and exercise during pregnancy: From historical guidelines to future research directions", presented at the MSU Department of Pediatrics & Human Development seminar series, Feb, 2008.
30. **Pivarnik, J.M.**, "Movin' Mamas: Physical activity during pregnancy and postpartum", presented at the Obesity Research Center, Department of Nutrition, University of Tennessee, Knoxville, TN, March, 2009.
31. **Pivarnik, J.M.** "What's Up With Exercise During Pregnancy and the Postpartum Period? Something Old, Something New", presented at the UT-Arlington/TACSM Spring Lecture tour, April, 2010.
32. **Pivarnik, J.M.** The Many Faces of the American College of Sports Medicine and Exercise is Medicine, presented at Saginaw Valley State University, Feb, 2011.
33. **Pivarnik, J.M.** The Many Faces of the American College of Sports Medicine and Exercise is Medicine, presented at the University of Louisiana, Monroe, Feb, 2011.
34. **Pivarnik, J.M.** Exercise Is Medicine on Campus, presented at the BGSU Research Day, Bowling Green, OH, April, 2013.
35. **Pivarnik, J.M.** Exercise and Pregnancy, presented at the Michigan State University Annual Sports Medicine Update on the Female Athlete, East Lansing, MI, May, 2013.
36. **Pivarnik, J.M.** The role of exercise testing of MSU athletes and its relationship to game performance, presented at the Large Animal Clinical Sciences Seminar Series, Michigan State University, Sept, 2013.

Other Academic Presentations

1. Morrow, J. R., Jr., and **J.M. Pivarnik**. Simulated Laboratory Experiences for Exercise Physiology. Presented at the American Alliance for Health, Physical Education, Recreation and Dance national convention; Nov, 1986.
2. Morrow, J. Jr., **J. Pivarnik**, and A. Jackson. Max VO₂ and Body Composition: Laboratory and Field Methods. Presented at the American Alliance for Health, Physical Education, Recreation and Dance national convention; Nov, 1987.
3. **Pivarnik, J. M.**, A. Jackson, and J. Morrow. Microcomputer Use in Exercise Science. Presented at the Texas Association for Health, Physical Education, Recreation and Dance annual convention; Nov, 1987.

4. Risser, J.L., E.J. Lee, H. Poindexter, S. West, J.M.H. Risser, J.F. Hickson, **J. Pivarnik**, and D. Yukelson. Iron deficiency in female athletes: prevalence and impact. Presented at the Society for Adolescent Medicine annual meeting, 1987.
5. Morrow, J. R., Jr., A. Jackson, and **J. Pivarnik**. Microcomputer Uses in Fitness Testing. Presented at the American Alliance for Health, Physical Education, Recreation and Dance national convention; April, 1988.
6. Morrow, J., and **J. Pivarnik**. Computerized Exercise Physiology Labs. Presented at the American Alliance for Health, Physical Education, Recreation and Dance national convention; April, 1988.
7. Hickson, J.F., I. Wolinsky, **J.M. Pivarnik**, T. Trampusch, and C. Rouder. Fall in urinary nitrogen excretion consequent to participation in a bodybuilding exercise program. Presented at The American Dietetics Association national convention, 1988.
- 8. Sherman, N.W., **J.M. Pivarnik**, and A.S. Jackson. Development of a metabolic model for prescribing jogging intensity. Presented at the Texas chapter of the American College of Sports Medicine annual convention; Dec, 1988.
9. Fodetar, L.K., P.A. Narayana, J.M. Slopis, **J.M. Pivarnik**, M.J. Fenstermacher, and I.J. Butler. Proton MRS of Exercise-Induced Changes in Human Gastrocnemius Muscle. Presented at the Society of Magnetic Resonance In Medicine annual meeting, 1989.
10. **Pivarnik, J.M.** Macintosh: Clear Lake ANOVA; presented as part of a symposium on affordable statistical packages for microcomputers. Presented at the American Alliance for Health, Physical Education, Recreation and Dance national convention; April, 1990.
11. **Pivarnik, J.M.** (chairperson), R. Artal, W. Lee, R. McMurray, M. Mottola, S. Sady, and L. Wolfe (presenters). Exercise During Pregnancy: Maternal and Fetal Effects. Presented as a Symposium at the American College of Sports Medicine national convention; June, 1990.
- 12. Pouncey, A.A., A.S. Jackson, **J.M. Pivarnik**, and N. Hamad. Development of a model to estimate the probability of a true positive stress test. Presented at the Texas chapter of the American College of Sports Medicine annual convention; Dec, 1991.
- 13. Fulton J.F., W.C. Taylor, **J.M. Pivarnik**, S.A. Snider, A.S. Jackson, and J.R. Morrow, Jr. Estimation of maximal aerobic capacity without exercise testing in African-American adolescent girls. Presented at the Texas chapter of the American College of Sports Medicine annual convention; Dec, 1992.
14. Greenberg F., K. Hwu, **J.M. Pivarnik**, H. Henson, B. Brown, W. Klish, and P.D.K. Lee. Changes in body composition after human growth hormone treatment of Prader-Willi Syndrome. Presented at the annual conference on Prader-Willi syndrome; July, 1993.
15. Jenks B.H., J.G. Bukar, P.D.K. Lee, K.J. Ellis, and **J.M. Pivarnik**. Assessment of nutritional supplement use and macronutrient intake of HIV-infected male adults with wasting. Presented at the American Society for Parenteral and Enteral Nutrition (ASPEN) meeting; Feb, 1994.
- 16. Lauderdale, M.A., M.C. Dwyer, and **J.M. Pivarnik**. Reliability of aerobic capacity (VO_{2max}) testing in adolescent girls. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting; Oct., 1995.
17. Bukar J.G., P.D.K. Lee, **J.M. Pivarnik**, N. Muurahainin, P. Berry, et al. A double-blind placebo-controlled, multicenter study of insulin-like growth factor-I (IGF-I) and growth hormone (GH) in HIV-I. To be presented at the 1996 American Society for Parenteral and Enteral Nutrition (ASPEN) meeting; Jan, 1996.

- 18. Allor K.M., Troutman S.R., Hartmann D.C., and **J.M. Pivarnik**. Reliability and validity of the mini-logger for estimating energy expenditure and heart rate in adolescents. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting; Oct., 1996.
- 19. Jayaraman R.C., Katzmarzyk P., and **J.M. Pivarnik**. Validity of age predicted heart rate equation for Caucasian and African American adolescent girls. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting; Oct., 1996.
20. **Pivarnik J.M.** Aerobic fitness in children. Presented as part of a symposium at the Midwest chapter of the American College of Sports Medicine annual meeting; Oct., 1997 (co-presenters at symposium were A. Mahon and P. Nixon).
21. **Pivarnik, J.M.** Exercise during pregnancy. Presented as part of a symposium at the Midwest chapter of the American College of Sports Medicine annual meeting; Oct, 1998 (co-presenters at symposium were J. Clapp, K. Little, and J. Rivera).
- 22. Allor K.M., and **J.M. Pivarnik**. Determinants of aerobic fitness and physical activity in African American and Caucasian adolescent girls. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting; Oct., 1998.
- 23. Fornetti, W.C., **Pivarnik, J.M.**, Foley, J.M., Fiechtner, J.J., and J.J. Jallo. Body composition in female athletes. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting; Oct., 1998.
24. Feltz, D.L., **Pivarnik J.M.**, and S.L. Beilock. Psychological factors in training for pregnant and postpartum athletes. Presented at the American Psychological Association annual meeting; Aug, 1999.
25. **Pivarnik, J.M.**, Stein A.D., and J.M. Rivera. Consistency of energy expenditure estimates in pregnant women. Presented at the Measurement of Physical Activity Conference at the Aerobics Institute, Dallas, TX; Oct., 1999.
- 26. Allor, K.M., and **J.M. Pivarnik** Physical activity measures in adolescent girls. Presented at the Measurement of Physical Activity Conference at the Aerobics Institute, Dallas, TX; Oct., 1999.
27. Clark, J.E., R. Clements, M. Guddemi, D. Morgan, R. Pica, **J. Pivarnik**, M.E. Rudisill, E. Small, S.J. Virgilio. Active Start: Physical activity guidelines for children birth-to-five years. Presented at the American Alliance for Health, Physical Education, Recreation and Dance annual meeting; March, 2000.
- 28. Allor, K.M., D. Podulka, and **J.M. Pivarnik**. Relationship between physical fitness and activity in Michigan charter school students. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting; Oct., 2000.
- 29. Green, M.R., D.P. Carrier, T. Newton, and **J.M. Pivarnik**. Physiological assessment of a men's division I hockey team. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting; Oct., 2000.
- 30. Perkins, C.D., E.J. Siebel, and **J.M. Pivarnik**. Physiological profiles of a women's NCAA crew team. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting; Oct., 2000.
- 31. Podulka, D., K.M. Allor, and **J.M. Pivarnik**. Cardiovascular disease risk factor profiles of charter school children. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting; Oct., 2000.
32. **Pivarnik, J.M.**, A.P. Rafferty, and M.J. Reeves. Seasonal variation in adult physical activity. Presented at the annual Michigan State University Department of Epidemiology Research Day; Feb, 2002.

- 33. Coe, D.P., and **J.M. Pivarnik**. Criteria for determining maximal effort during VO₂max treadmill testing in female youth. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting; Oct, 2002.
- 34. Coughlin, A.M., P.R. Nagelkirk, C.M. Paton, K.H. Friderici, B. Wingard, **J.M. Pivarnik** and C.J. Womack. The influence of tissue plasminogen activator polymorphisms on the fibrinolytic response to exercise. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting; Oct, 2002.
- 35. Herman, C.W. P.R. Nagelkirk, A.M. Coughlin, **J.M. Pivarnik**, and C.J. Womack. The utility of heart rate and RPE in determining oxygen uptake during high-intensity exercise. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting; Oct, 2002.
- 36. Knous, J.L., **J.M. Pivarnik**, and C.J. Womack. Comparison between on and off ice physiological testing of collegiate hockey players. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting; Nov, 2004.
- 37. Ode, J.J., and **J.M. Pivarnik**. Running economy in male and female collegiate basketball players. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting; Nov, 2004.
- 38. Ode, J.J., J.L. Knous, M.J. Reeves, and **J.M. Pivarnik**. Body mass index as a predictor of percent fat in university students and athletes. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting; Nov, 2005.
- 39. Eneli I., L. Dilernia, I.D. Kalogiros, K. McDonald, J. Gold, **J. Pivarnik**, J. Brady, K. Davis, M. Goble, and D.H. Davies. Developing the "IM Fit" program: a pediatric obesity program. Presented at the American Public Health Association annual meeting; Nov, 2005.
- 40. Fornetti W., L.M. Mudd, and **J.M. Pivarnik**. Bone mineral density in college female athletes; comparisons among sports. Presented at the American Medical Society for Sports Medicine annual meeting; April, 2006.
- 41. Mudd, L.M., P.W. Bauer, **J.M. Pivarnik**. Student perceptions of family interest and participation in physical activity. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting; Oct, 2006.
- 42. Ode, J.J., **J.M. Pivarnik**, K. Bohnert, and J. Anthony. Physical activity and screen time behaviors among high school students: a latent class analysis. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting; Oct, 2006.
- 43. Mudd, L.M., J. Osuch, W. Karmaus, and **J.M. Pivarnik**. Physical activity participation and the validity of self-reported weight and height in women. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting; Oct, 2007.
- 44. Ode, J.J., **J.M. Pivarnik**, M.J. Reeves, J.C. Anthony, and D.R. Gould. Enrollment in a healthy lifestyles class on physical activity in college students. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting; Oct, 2007.
- 45. Ode, J.J., L.M. Mudd, M.D. Brown, R.A. Rudey, **J.M. Pivarnik**, M.J. Reeves. Diagnostic Accuracy of Body Mass Index in the Detection of Overfatness: a Meta-Analysis. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Oct, 2008.
- 46. Mudd, L.M., E.E. Kuffel, **J.M. Pivarnik**. Physical activity during pregnancy and offspring characteristics at 8-10 years. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Oct, 2008.

- 47. Rudey, R.A., K. Peyer, J.J. Ode, J.L. Knous, **J.M. Pivarnik**. Stability of running economy in men and women division I collegiate basketball players. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Oct, 2008.
- 48. Kuffel, E.E., K.L. Klump, S. A. Burt, **J.M. Pivarnik**. A description of female adolescent twins' body composition and physical activity. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Oct, 2008.
- 49. Gillespie, S., K. Pfeiffer, **J. Pivarnik**, J. Carlson, E Lamb. The relationship between pro-social behavior and physical activity in elementary school children. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Oct, 2010.
- 50. Ode, J., S. Danbert, **J Pivarnik**. Exercise is Medicine on Campus: the role of the kinesiology department. Presented as a Symposium at the Midwest chapter of the American College of Sports Medicine annual meeting, Oct, 2010.
- 51. Vince, A.K., R.A. Schlaff, K.A. Pfeiffer, K. Maier, **J.M. Pivarnik**. Measurement of energy expenditure during pregnancy and postpartum. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Oct, 2011.
- 52. Danbert, S.J., J.L. Knous, R.A. Schlaff, **J.M. Pivarnik**. Participation in a worksite wellness program as compared to leisure-time physical activity levels and aerobic capacity. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Oct, 2011.
- 53. Connolly, C.P., **J.M. Pivarnik**, K. Maier, A. Nightingale, M. Vorkapich. Evaluating division I collegiate ice hockey players using preseason fitness characteristics and game performance. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Oct, 2011.
- 54. Turek, K.A., K.E. Yee, K.A. Pfeiffer, J.C. Eisenmann, **J.M. Pivarnik**, J.J. Carlson, E. Lamb. Validation of the family nutrition and physical activity screening tool in a diverse population. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Oct, 2011.
- 55. Warning, J.T., K.A. Pfeiffer, J.C. Eisenmann, **J.M. Pivarnik**, J.J. Carlson, K.S. Maier, E. Lamb. Associations between quality of life and physical activity and screen time in urban children. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Oct, 2011.
- 56. Connolly, C.P., **J.M. Pivarnik**, E. Watson, M. Vorkapich. A comparison of training session and in-game heart rates in division I collegiate ice hockey players. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Oct, 2012.
- 57. Warning, J.T., K.A. Pfeiffer, J.C. Eisenmann, **J.M. Pivarnik**, J.J. Carlson, E. Lamb. Physical activity as a predictor of one-year change in waist circumference in urban children. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Oct, 2012.
- 58. Marshall, M. **J. Pivarnik**, N. Paneth, L. Biery. Maternal physical activity is associated with decreased risk of miscarriage. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Oct, 2012.
- 59. Schlaff, R.A., C. Holzman, K. Maier, K.A. Pfeiffer, **J.M. Pivarnik**. Gestational weight gain and pregnancy leisure-time physical activity in relation to pre-pregnancy body size. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Oct, 2012.
- 60. Danbert, S.J., **J.M. Pivarnik**, R. McNeil, I. Washington. Academic success: the role of campus recreation facilities. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Oct, 2012.

- 61. Danbert, S.J., **J.M. Pivarnik**, L.M. Kazmirzack. College student academic success: The effects of meeting ACSM physical activity recommendations. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Nov, 2013.
- 62. Green, C.A., M.R. Marshall, R.A. Schlaff, D.M.L. Phelan, A.K. Vince, K.A. Pfeiffer, **J.M. Pivarnik**. Validity of objective and subjective physical activity measurement during pregnancy. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Nov, 2013.
- 63. Marshall, M.R., and J.M. Pivarnik. Perceived exertion and energy cost of pregnancy physical activity. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Nov, 2013.
- 64. Ebbing, A.C., M.R. Green, C.P. Connolly, D.P. Carrier, **J.M. Pivarnik**. Changes in collegiate ice hockey player anthropometrics and aerobic fitness over three decades. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Nov, 2013.
- 65. Triplett, A.N., C.P. Connolly, S.S. Parks, M.J. Reeves, **J.M. Pivarnik**. Quantity and quality of food consumed at NCAA division I football games and spectator satisfaction with concession services. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Nov, 2013.
- 66. Warning, J.T., K.A. Pfeiffer, M.B. Pontifex, **J.M. Pivarnik**. Are there differences in children's physical activity and aerobic fitness according to academic achievement? Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Nov, 2013.
- 67. Schlaff, R.A., C. Holzman, K. Maier, K.A. Pfeiffer, **J.M. Pivarnik**. Postpartum weight retention: is it associated with leisure-time physical activity and gestational weight gain? Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Nov, 2013.
- 68. Mospan, J.E., **J.M. Pivarnik**, J.L. Knous. Changes in intensity of physical activity during a university incentive-based weight loss challenge. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Nov, 2013.
- 69. Feltz, D.L., Winn, B., **Pivarnik, J.M.**, Kerr, N.L., Ede, A., Danbert, S., Samendinger, S., Forlenza, S.T. & Max E.J. Cyber partners: harnessing group dynamics to boost motivation for more efficient exercise. NASA Human Research Program Investigator's Workshop, Galveston, TX, Feb, 2014.
- 70. Danbert, S., R. McNeil, J. Pivarnik. Student success: The role of recreational sports and fitness facilities. Presented at the Annual National Intramural and Recreational Sports Association (NIRSA) annual meeting, Nashville, TN, April, 2014.
- 71. Krebs S., S.J. Deere, **J.M. Pivarnik**. The relationship between academic success and neighborhood recreational sports use. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Nov, 2014.
- 72. Triplett, A.N., A.C. Ebbing, E.A. Niemyjski, C.P. Connolly, **J.M. Pivarnik**, M. Vorkapich. Evaluation of division I ice hockey practices via heart rate monitoring and direct observation: A pilot project. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Nov, 2014.
- 73. McMahan A, C. Connolly, **J. Pivarnik**, R. Schlaff, M. Lewis, R. Silver. Physical activity-related discussion between pregnant women and prenatal healthcare providers. Presented at the Northwest chapter of the American College of Sports Medicine annual meeting, Feb, 2015.
- 74. McCormick, L.D., G. Augustin, K. Pfeiffer, **J. Pivarnik**, S. Sellers. Associations among percent body fat, time spent outside, and sleep in low socioeconomic children. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Nov, 2015.

75. Clevenger, K.A., K.A. Pfeiffer, K.E. Yee, A.N. Triplett, **J.M. Pivarnik**. Relationship of children's mindfulness with health-related quality of life, activity, and diet. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Nov, 2015.
- 76. Vasold, K.L., S.J. Deere, R. McNeil, **J.M. Pivarnik**. College student academic success following first year neighborhood group fitness participation. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Nov, 2015.
- 77. Shureb, J.W., A.N. Triplett, A.C. Ebbing, E.A. Niemyjske, C.P. Connolly, **J.M. Pivarnik**, M. Vorkapich. Evaluation of college ice hockey practices via players' heart rate monitoring and direct observation. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Nov, 2015.
- 78. Kosowski, L.E., K.L. Vasold, **J. Pivarnik**. Academic success and one-year of intramural sports participation by freshmen students. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Nov, 2016.
- 79. Triplett, A.N., D.P. Carrier, **J. Pivarnik**. Relationship between physiologic/anthropometric profiles and future NHL status in college ice hockey. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Nov, 2016.
80. Ricci, J.M., K.A. Pfeiffer, K.A. Clevenger, **J.M. Pivarnik**, S. Sellers. Physical activity lesson participation and health-related variables in low-income youth. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Nov, 2016.
- 81. Pruet, M.L., M.R. Conway, M.R. Marshall, R.A. Schlaff, K.A. Pfeiffer, **J. Pivarnik**. Reliability and validity of physical activity monitoring during pregnancy and postpartum. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Nov, 2017.
- 82. Vasold, K.L., S.J. Deere, **J.M. Pivarnik**. Self-reported wellness benefits of recreational sports use in college freshmen. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Nov, 2017.
- 83. Conway, M.R., M.R. Marshall, R.A. Schlaff, K.A. Pfeiffer, **J.M. Pivarnik**. Comparison of the pregnancy physical activity questionnaire and accelerometers during pregnancy and postpartum. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Nov, 2017.
- 84. Triplett, A.N., M. Vorkapich, **J.M. Pivarnik**. Match-play analysis of physiological and movement variables in men's and women's division I soccer players. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Nov, 2017.
- 85. Groetsch, J.A., A.N. Triplett, **J.M. Pivarnik**. Comparison of heart rate, speed, and sprints performed by a division I college female field hockey team using game data. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Nov, 2017.
- 86. Gregoire, S.L., J.A. Groetsch, A.N. Triplett, **J.M. Pivarnik**. Comparison of heart rate, VO₂max, speed, and sprints performed by a division I field hockey team. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Nov, 2018.
- 87. Groetsch, J.A., A.N. Triplett, **J.M. Pivarnik**. Comparison of physiologic responses between practice and games in a division I college female field hockey team. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Nov, 2018.
- 88. Guadagni, A., E.N. Werner, **J.M. Pivarnik**. Nutrition knowledge in division I college athletes. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Nov, 2018.

- 89. Werner, E.N., A. Guadagni, **J.M. Pivarnik**. A nutrition education intervention with division I women's basketball players. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Nov, 2018.
- 90. Vasold, K.L., K. Traskie, **J.M. Pivarnik**. Exercise is Medicine on Campus: evaluation of a physical activity mentoring program. Presented at the Midwest chapter of the American College of Sports Medicine annual meeting, Nov, 2018.
- (First author was a student or trainee working with J.M. Pivarnik)

INSTRUCTIONAL ACTIVITIES**Courses Taught****University of Houston****Undergraduate (1984-87)**

Physiology of Human Performance

Graduate (1984-91)

Advanced Topics in Exercise Physiology

1) Body fluids and temperature regulation

2) Exercise in the female population

Current Literature and Research in Physical Education

Exercise Testing and Prescription

Experimental Studies in Motor Performance

Physiology of Exercise

Scientific Principles of Athletic Performance

Special Problems

Michigan State University**Undergraduate (1994-present)**

Physiological Bases of Physical Activity (KIN 310)

Exercise Physiology Laboratory Techniques (KIN 411)

EKG Analysis and Interpretation (KIN 490)

Graduate (1994-present)

Physiology of Physical Activity (KIN 810)

Physiological Evaluation and Exercise Prescription (KIN 811)

Physical Activity and Well-Being (KIN 870)

Research Practicum (KIN 995)

Class Lectures Given**St. Louis University School of Medicine**

Human Physiology (cardiovascular, exercise)

(physical therapy, physician assistant, nursing students, 1982-84)

Electrocardiography Laboratory Sessions

(first year medical students, 1982-84)

Baylor College of Medicine

Department of Obstetrics & Gynecology

Exercise During Pregnancy

(OB/GYN residents, fellows 1992-94)

Department of Pediatrics (Section of Nutrition & GI)

Clinical Uses of Indirect Calorimetry for Determining Metabolic Rates

(first year medical students, 1992-94)

Department of Pediatrics

Adolescent and Sports Medicine Elective

(Pediatric adolescent/sports medicine fellows, residents, medical students, 1992-94)

Department of Physical Medicine and Rehabilitation
Pediatric Rehabilitation Course: Pediatric Sports Medicine
(PM&R residents, 1993)

Department of Physical Medicine and Rehabilitation
Basic Exercise Physiology Lectures
(PM&R residents, 1993)

Michigan State University

College of Osteopathic Medicine (Department of Osteopathic Surgical Specialties)
Clinical Correlations
(first year medical students, 1994-2000)

College of Human Medicine (Department of Physiology)
Clinical Correlations
(first year medical students, 1995-2000)

Colleges of Human and Osteopathic medicine (Sports Medicine)
Sports Medicine Elective
(first and second year medical students, 1997-2000)

College of Human Medicine (Department of Epidemiology)
Cardiovascular Epidemiology
Nutritional Epidemiology
(M.Sc. and PhD level students, 1997-present)

College of Natural Science (Department of Human Nutrition and Food Science)
Community Nutrition Assessment
(MS and PhD level students, 2000-present)

Graduate Research

University of Houston

Committee Member of Doctoral Dissertations

Elizabeth M. Fowler Dissertation title-	Ed.D. (1987) Body image of female aerobic dancers and nonexercising women (J. Gaa, chair)
Eduardo Soltero Dissertation title-	Ed.D. (1988) Effects of physiological arousal on the use of imagery rehearsal (D. Pease, chair)
Matthew T. Mahar Dissertation title-	Ed.D. (1989) Accuracy of heart rate models for estimating exercise intensity (A.S. Jackson, chair)
Michael E. Crowhurst Dissertation title-	Ed.D. (1989) Determination of the fitness value of selected physical education activities (J.R. Morrow, Jr., chair)
Dae Soo Yang Dissertation title-	Ed.D. (1989) A comparison of the 1980 and 1986 Korean student physical fitness test scores (J.R. Morrow and J. Wendt, co-chairs)

Chairperson of Masters Theses

Karen E. Eggert Thesis title-	M.Ed. (1990) First metatarsophalangeal joint range of motion as a factor in turf toe injuries
Carlos J. Marichal Thesis title-	M.Ed. (1991) Effects of menstrual cycle phase on serum CPK levels following endurance exercise
Margaret M. Olle Thesis title-	M.Ed. (1991) Body composition of sedentary and physically active spinal cord-injured individuals estimated from total body electrical conductivity
Noel D. Ryan Thesis title-	M.Ed. (1993) The reliability and validity of the StairMaster 4000 PT in determining VO_{2peak} in adults (T. Michaud, co-chair)

Committee Member of Masters Theses

Matthew T. Mahar Thesis title-	M.Ed. (1987) Accuracy of estimating VO_{2max} from submaximal treadmill exercise (A.S. Jackson, chair)
Alicia A. Pouncey Thesis title-	M.Ed. (1990) An analysis of positive exercise stress tests in a clinical cohort (A.S. Jackson, chair)
Melinda J. Sheffield Thesis title-	M.Ed. (1990) Validity of a self-report instrument for measuring physical activity in third grade students (J.R. Morrow, Jr., chair)
Molly B. Broskoski Thesis title-	M.Ed. (1991) Caltrac validity for estimating energy expenditure with children (J.R. Morrow, Jr, chair)
Janet E. Fulton Thesis title-	M.Ed. (1991) Estimation of maximal aerobic capacity without exercise testing in African-American adolescent girls (J.R. Morrow, Jr., chair)

University of Texas Health Science Center, HoustonCommittee Member of Masters Theses

Maureen Treybig Thesis title-	M.S. (1988) The effect of aerobic exercise on physical discomforts during pregnancy and maternal self-esteem (S.A. Brown, chair)
Susan A. Lowley Thesis title-	M.S. (1990) Circadian rhythm in airways patency and exercise performance in asthmatics with a history of nocturnal symptoms (G. D'Alonzo, chair)

Baylor College of Medicine

Joan Purcell, M.D.	(July, 1992)
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served as a mentor during her 3rd year of pediatric residency training

Mark Sklansky, M.D. (1991-93) I was his mentor during his Pediatric Cardiology fellowship
Research project- Exercise training in postoperative tetralogy of Fallot children

Livia Rosado-Santiago (Summer, 1993)
served as her mentor (with W. Klish and C. Lau) in the Baylor College of
Medicine SMART Program

University of Texas at Austin

Committee Member of Doctoral Dissertation

Janice L. Radcliffe Ph.D. (1994)
Dissertation title- Metabolic and cardiovascular responses to cold exposure: influences of gender
and low energy intake (J.H. Wilmore, chair)

University of Texas School of Public Health (Houston)

Committee Member of Doctoral Dissertation

Janet E. Fulton Ph.D. (1996)
Dissertation title- Does cigarette smoking modify the association between increase in body weight
during young adulthood and risk of coronary mortality during middle-age in men?
(R. Shekelle, chair)

Michigan State University

Doctoral Dissertation Committees

Chair

Karin Allor Pfeiffer Ph.D. (2001)
Dissertation Title- Running economy and perceived exertion in adolescent girls

Dawn Coe Ph.D. (2003)
Dissertation Title- The importance of physical education classes in relation to physical activity
behaviors, physical fitness, cardiovascular disease risk factors, and academic
achievement

Rebecca Battista Ph.D. (2004) (R. Malina, co-chair)
Dissertation Title- Anthropometric characteristics and rowing performance of female collegiate
rowers

Candace Perkins Ph.D. (2004)
Dissertation Title- Maternal physical activity and birth weight: A meta-analysis

Patricia Bauer Ph.D. (2005)
Dissertation Title- The effects of past pregnancy physical activity participation on current physical
activity, barriers to physical activity, and body size and the validation of a
historical physical activity recall tool

Joshua Ode Ph.D. (2007)
Dissertation Title- Assessing physical activity behaviors in college students

Lanay Mudd Ph.D. (2009)
Dissertation Title- Leisure-time physical activity during pregnancy and offspring size

Jeremy Knous Dissertation Title-	Ph.D. (2010) Physical activity and angiotensin I-converting enzyme polymorphism effect on cardiovascular disease risk factors in adults
Erin Kuffel Dissertation Title-	Ph.D. (2011) Associations between resistance training during pregnancy and birth outcomes in exercising women
Megan Holmes Dissertation Title-	Ph.D. (2011) Physical activity and fitness: moderators of the stress-metabolic syndrome relationship?
Rebecca Rudey Dissertation Title-	Ph.D. (2012) Leisure-time physical activity, gestational weight gain, and postpartum weight retention
Chris Connolly Dissertation Title-	Ph.D. (2014) Leisure-time physical activity perceptions, influences, and behavior during pregnancy
Mallory Marshall Dissertation Title-	Ph.D. (2014) Effects of maternal physical activity on methylation patterns in offspring blood spots
Samantha Deere Dissertation Title-	Ph.D. (2015) Recreational sports participation and college student academic success
Jessica Kiss Dissertation Title-	Ph.D. (2017) The relationship between participation in campus recreation programs and college student academic success
Michelle Conway Dissertation Title-	Ph.D. (2018) Physical activity assessments throughout pregnancy and postpartum
Kerri Vasold	(in progress)
Emily Werner	(in progress)

Co-Chair (dual major Ph.D.)

Merissa Ferrara Dissertation Title-	Ph.D. (2006) The effect of self-efficacy, outcome expectations, and social communication on adherence to a meal replacement program (Kelly Morrison, ComArts co-chair)
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Committee Member

Peter Katzmarzyk Dissertation Title-	Ph.D. (1997) A familial study of growth and health-related fitness among Canadians of aboriginal (first nation) and European ancestry (R. Malina, chair)
Anthony T. Paganini Dissertation Title-	Ph.D. (1998; physiology) Control of mammalian oxidative phosphorylation by adenine nucleotides (R. Meyer, chair)
Reshma B. Naidoo	Ph.D. (1998)

- Dissertation Title- The effects of socioeconomic status, ethnicity, and nutritional status on the growth and physical fitness of 10 year old South African boys
(R. Malina, chair)
- R. C. Rosenda da Silva Ph.D. (1998)
Dissertation Title- CHD risk factors and health-related fitness of adolescents in Niteroi, Rio De Janeiro, Brazil (R. Malina, chair)
- Joey C. Eisenmann Ph.D. (2000)
Dissertation Title- Blood lipids and peak oxygen consumption in young distance runners
(R. Malina, chair)
- Roop Jayaraman Ph.D. (2001)
Dissertation Title- Magnetic resonance imaging studies of delayed muscle soreness and the repeated bout effect (J. Foley and R. Meyer co-chairs)
- Kathleen Ellis Ph.D. (2001)
Dissertation Title- Factors that influence the physical fitness of deaf children
(G. Dummer, chair)
- Maria Pena Ph.D. (2002)
Dissertation Title- Growth status and physical fitness of primary school children in an urban and a rural community in Oaxaca, Southern Mexico (R. Malina, chair)
- Lynette Craft Ph.D. (2002)
Dissertation Title- Exercise and clinical depression: examining psychological mechanisms
(D. Feltz, chair)
- BJ Lee Ph.D. (2004)
Dissertation Title- Parental values and concerns about participation in physical activity by persons with intellectual disabilities
(G. Dummer, chair)
- Dan Vaughn Ph.D. (2005)
Dissertation Title- The effectiveness of a prescriptive therapeutic exercise program as an intervention for excessive thoracic kyphosis
(E. Brown, became chair after J. Foley left MSU)
- Paul Nagelkirk Ph.D. (2005)
Dissertation Title- Fibrinolytic adaptations to a phase II cardiac rehabilitation program
(C. Womack, chair)
- Adam Coughlin Ph.D. (2005)
Dissertation Title- Acute and chronic effects of enhanced external counterpulsation on hemostatic factors in cardiovascular patients (C. Womack, chair)
- Jia Yau Doong Ph.D. (2008)
Dissertation Title- Finding the best anthropometric indicators for metabolic syndrome and related risks in two diverse populations (S. Hoerr, chair; Nutrition)
- Mark Sarzynski Ph.D. (2008)
Dissertation Title- Association of the PAI-1 4G/5G polymorphism with blood pressure in the Quebec family study: interactions with adiposity, physical activity, and the Ace I/D polymorphism (JC Eisenmann, chair)
- Clemens Drenowatz Ph.D. (2011)
Dissertation Title- Changes in energy expenditure and dietary intake in response to differences in training volume in male endurance trained athletes (JC Eisenmann, chair)

Heather Hayes Dissertation Title-	Ph.D. (2011) Associations of fatness and physical activity with blood pressure and C-reactive protein in children and adolescents (KA Pfeiffer, chair)
Justin Bland Dissertation Title-	Ph.D. (2012) Excess post-exercise oxygen consumption and substrate utilization in children and adults (KA Pfeiffer, chair)
Emily Hill Dissertation Title-	Ph.D. (2012) Physical activity, daily cortisol patterns and the metabolic syndrome in obese adolescents (KA Pfeiffer, chair)
Rebecca Moore Dissertation Title-	Ph.D. (2014) Longitudinal changes in energy expenditure in children and adolescents (KA Pfeiffer, chair)
Alex Montoye Dissertation Title-	Ph.D. (2014) Use of accelerometry and machine learning to measure free-living physical activity and sedentary behavior (KA Pfeiffer, chair)
Alicja Stannard Dissertation Title-	Ph.D. (2016) The correlates of physical activity and diet quality in low-income pregnant women: The ecological model approach (L Mudd, chair)
Chris Hill Dissertation Title-	Ph.D. (2018) Relational and behavioral outcomes of exercisers when working with a personal trainer: A tripartite efficacy examination
Joseph Warning	in progress

Masters Thesis Committees

Chair

Willa Fornetti Thesis Title -	M.S. (1998) Determination of body composition in female athletes
Juanita M. Rivera Thesis Title-	M.S. (2000) Assessment of leptin in sedentary and physically active women during follicular and luteal menstrual phases

Committee Member

Claudia Angeli Thesis Title-	M.S. (1996) Gait characteristics exhibited by subjects with uninjured & injured knees under unfatigued and fatigued conditions (V.D. Ulibarri, chair)
Matt Weise Thesis Title-	M.S. (1996) Accuracy assessment of a mobile video platform used for kinematic analysis of rowing (E.Brown, chair)
Karin Allor Thesis Title-	M.S. (1997) The relationship between participant motives and perceived competence to physical activity with respect to gender and race (M. Ewing, chair)
Roop Jayarayman Thesis Title-	M.S. (1997) Physiological basis of muscle function using MRI technology (J. Foley, chair)

Peter Osmond Thesis Title-	M.S. (2001) Protocol dependency of the breakpoint in the VO ₂ -Watt relationship (C. Womack, chair)
Sheetal Patil Thesis Title-	M.S. (2005) Genetics an intrinsic risk factor for stress fractures (C. Womack, chair)
Kate Hanson Thesis Title-	M.S. (2007) Electromyographic analysis of shoulder muscle activity during two volleyball spike mechanics (T. Covassin, chair)
Heidi Clark Thesis Title-	M.S. (2007) Nutrition behaviors and body composition in collegiate football players exposed to an off-season training and pilot nutrition education program (J. Carlson, chair; Nutrition)
Thomas Coker Thesis Title -	M.S. (2013) Cardiovascular disease risk, fitness level and dietary intake in overweight and obese male college athletes versus sedentary to moderately active college students with similar body mass (J Carlson, chair)

Other Masters Guidance Committees

Chair

Curtis Kaun	M.S. (1997) Internship at Proctor and Gamble (Cincinnati, OH; 1995)
Christianne Trese	M.S. (1997) Comprehensive examinations
Amy Brim	M.S. (1997) Internship at St. Joseph's Hospital (Pontiac, MI; 1996)
Sara Troutman Project Title -	M.S. (1998) Validity and reliability of MINI-LOGGER for HR and energy expenditure measures in adolescents
Taran Singleton Project Title-	M.S. (1998) Relationship between aerobic physiological parameters and hockey performance
Lauri Sam	M.S. (1998) Comprehensive examinations
Christine Groll Project Title-	M.S. (1998) Use of the MI-EPIC program in the Michigan public schools
John Zubek Project Title-	M.S. (1999) The effect of weight discrepancy on success in heavyweight wrestlers
Mike Spring	M.S. (2000) Internship at Owosso Memorial Hospital Owosso, MI; 1998)
Christine Sabo	M.S. (2001) Internship at Michigan Athletic Club; (E Lansing, MI; 1999)
Lisa Ballenger	M.S. (2001) Internship at Michigan Athletic Club (E Lansing, MI; 2000)

Alan Rutledge Project Title-	M.S. (2001) The effect of handrail support on physiological responses to treadmill testing
Elizabeth Stover Project Title -	M.S. (2002) The effect of maternal resistance exercise on utero-placental blood flow
Matthew Green Project Title-	M.S. (2003) Physiological Assessment of a Men's Division I NCAA Hockey Team
Katherine Breidinger	M.S. (2005) Internship at Michigan Athletic Club (E Lansing, MI; 2004)
Jeremy Knous Project Title-	M.S. (2005) Comparison between on and off ice physiological testing of collegiate hockey players
Damon Whitten	M.S. (2005) Internship with the MSU and Wayne State U hockey teams
Jason Annelin Project Title-	M.S. (2006) Effectiveness of pre-season training in college rowers
Lindsay Calhoon	M.S. (2007) Internship with Fresno, CA school district athletics
Michelle Draska	M.S. (2007) Internship with a dance medicine clinic in NYC
Steve Dembski	M.S. (2007) Comprehensive examinations
Darijan Suton	M.S. (2008) Comprehensive examinations
Karissa Peyer Project Title-	M.S. (2010) Physiological characteristics of NCAA Division I Ice Hockey players and their relation to game performance
Anna Hunsinger Project Title-	M.S. (2010) The role of individual and group counseling on NCAA athlete nutrition knowledge and behavior
Ashley Triplett Project Title-	M.S. (2016) Evaluation of division I collegiate ice hockey via heart rate monitoring and direct observation: Development of a direct observation scale
Montana Pruett Project Title-	M.S. (2018) Validity of Equival calculated core temperature and skin temperature and VitalSense pill
Annalise Pickerel	In progress

Committee Member

Kyle Bouck	M.S. (1995) Internship at Sparrow Hospital (Lansing, MI; 1994; W. Heusner, chair)
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Diane Hartmann	M.S. (1995) Internship at Michigan Athletic Club (E Lansing, MI; 1995; J. Foley, chair)
Jane Nelson	M.S. (1996) Comprehensive examinations (J. Foley, chair)
Allison Millette	M.S. (1997) Internship at TCI (Lansing, MI; 1996; J. Foley, chair)
Shawn Green	M.S. (1998) Comprehensive examinations (J. Foley, chair)
Judy Campbell	M.S. (1999) Internship at TCI (Lansing, MI; 1997; J. Foley, chair)
Kim Matzkin	M.S. (1999) Internship at MSU (J. Foley, chair)
Steve Moyer	M.S. (1999) Comprehensive examinations (J. Foley, chair)
Jen Rasmussen	M.S. (2001) Internship at Michigan Athletic Club (E Lansing, MI; 2000; C. Womack, chair)
Dan Vickers	M.S. (2001) Internship for the City of Lansing (Lansing, MI; 2000; C. Womack, chair)
Chad Paton Project title-	M.S. (2002) Active versus passive cool down on coagulation and fibrinolysis (C. Womack, chair)
Maureen Hamlin	M.S. (2002) Comprehensive examinations (C. Womack, chair)
Adam Coughlin Project Title -	M.S. (2002) The influence of tissue plasminogen activator I/D polymorphisms on the tPA response to exercise (C. Womack, chair)
Chris Herman Project Title -	M.S. (2002) The utility of heart rate and RPE in determining oxygen uptake during high- intensity exercise (C. Womack, chair)
Jamie Paton Project Title-	M.S. (2004) Time course of fibrinolysis following maximal exercise (C. Womack, chair)
Yolanda Coil	M.S. (2009) Internship in Ames, IA (J Eisenmann, chair)
Sharla Gillespie Project Title -	M.S. (2011) Perceived competence for physical activity in elementary school children
Mark Papineaux	M.S. (2012) Comprehensive examinations
Carrie Slovak Project Title -	M.S. (2014) The creation of short videos of the practical skills taught in an exercise physiology laboratory course (L Mudd, chair)

Instructional Development**University of Houston**

Developed and directed the Department of HHP Human Performance Laboratory (1984-91)

Co-developer of a knowledge integration course (HPER 4331, Nutrition and Physical Fitness in Health) with the Department of Human Development and Consumer Sciences (1985)

Developed the course "Exercise Testing and Fitness Evaluation" (PEP 6370) for HHP masters and doctoral level students (first taught in 1987)

Member of the committee that developed the MS degree in Exercise Science for the Health and Human Performance Department (approved by Texas Coordinating Board in Jan., 1991)

Michigan State University

Developed PES 411 (exercise physiology laboratory techniques) for Exercise Science Undergraduate majors. Approved by University Curriculum Committee; first offered in Fall, 1996.

Developed and taught KIN 490/494 (EKG analysis and interpretation) as an experimental class in Fall, 1998.

Member of a College of Education Task force designing a doctoral level class on inquiry and research (1998-1999)

SERVICE and OUTREACH ACTIVITIES**International**

International Society for Comparative Physical Education and Sport (ISCPES)

Program Committee

Session Moderator (Sport, Physical Culture, and Change in Soviet Society I [1992])

3rd International Congress on Physical Activity and Health (ICPAH, 2010)

Invited Participant; The Healthy and Active University

National

American Academy of Kinesiology and Physical Education (AAKPE)

Nominations committee (2002-2005)

American Alliance for Health, Physical Education, Recreation and Dance (AAHPERD)

Early Childhood Physical Activity Guidelines Task Force (NASPE, 1999-2002)

Reviewer for Research Consortium grant program (2002, 2003)

American Heart Association (AHA)

AHA Regional Chapter Activity

Co-chairman of a Texas Affiliate Task Force, which developed computerized instructional materials (Exercise For A Healthy Heart) for national distribution to middle- and high school science students (1986-87)

Appointed to a task force charged with defining and implementing the cardiovascular disease prevention goals of "Healthy Houston 2000" (1992-94)

Board of Directors for the Michigan Affiliate; Tri-County Area, Capital District (1995-1997)

American College of Sports Medicine (ACSM)

Leadership Activities

Board of Trustees, member (2002-2005)
Administrative Council, member (2002-2003; 2004-2005)
Vice-President (2006-2008)
President-Elect (2008-2009)
President (2009-2010)
Immediate Past-President (2010-2011)
Second Past-President (2011-2012)
Foundation President (2012-present)

General College Activities

Abstract Reviewer (1984, 1991, 1996)

Ad Hoc Committee member

Position stand dealing with fluid replacement during exercise (1989-91)
Women's Issues in Sports Medicine (1993-95)

Agita Mundo and RAFA

Contributor to annual meeting planning (Sao Paulo, BR; Oct, 2009)

Exercise is Medicine "EIM on Campus"

Mississippi State University, Sept 2009
University of Wisconsin, Nov, 2009
MI ACSM, Feb, 2010
Saginaw Valley State University, Feb, 2011
University of Louisiana, Monroe, Feb, 2011

Scientific Roundtable chair

"The role of physical activity during pregnancy and postpartum on chronic disease risk"; East Lansing, MI (2005)

Scientific Roundtable participant

"Increasing youth physical activity: strategies in science, health care, and fitness and sports national summit" (2005)

Vice-President Feature Article in *Sports Medicine Bulletin*

"What you should know about ACSM communications" (2007)

Speaker on HealthRadio.Net (Melanie Cole show)

Exercise and Pregnancy, 2007
Sports Medicine and Fitness; May, 2009
Fighting Childhood Obesity, Jan, 2010

Standing Committee member

Pediatric Exercise (1994-1995)
 Professional Education (1997-2000)
 Credentials (2005-2008)
 Budget and Finance (2006-present)
 Strategic Planning (2006-present)
 Program (2006-2011, Chair, 2008)
 Awards and Tributes (2006-2011, Chair, 2008)
 Nominating (2008-2011)
 EIM On Campus (2009-present)
 Office of Museum, History, & Archives (2011-present)
 Ethics Committee (2014-present)

Student and Young Investigator Research Grants, reviewer (2005, 2009, 2011, 2012, 2015)

Task Force for Scientific Integrity and Social Responsibility (Chair, 2016)

Annual Meeting Activities

Colloquium chair (national conference)

"Authorship and redundancy issues: Thoughts from the journal editors" (2005)

Conversational Forum participant (national conference)

"From doctoral student to faculty member - Establishing your independence in a tenure track position" (2009)

Current Issue participant (national conference)

"Keeping clean in muddy waters: Scientific ethics and responsibility" (Authorship and data ownership: Who is in charge of this ship anyways?) (2009)

"Healthy People 2020: Improving the Nation's Health" (2010)

Free Communications session chair (national conference)

"Exercise and Youth" (1992)

"Exercise in Young Women" (1996)

"Determinants of Physical Activity II" (2001)

"Body composition: assessment via air displacement plethysmography" (2003)

"Advancing Physical Activity Assessment Methods" (2015)

Mini-symposium chair (national conference)

"Physiology of Exercise: Healthy children and children with disease" (1998)

"Measurement of Physical Activity in Special Populations" (2000)

Symposium chair (national conference)

"Exercise during pregnancy: maternal and fetal effects"; (1990)

"Physical activity during pregnancy and postpartum and chronic disease risk" (2006)

"Benefits of exercise in the first postpartum year: the psychological, physiological, and musculoskeletal profiles of new moms" (2007)

"Exercise is Medicine on Campus: Thoughts from the advocates" (2011)

"Health benefits of physical activity during pregnancy: International evidence" (2011)

Tutorial Lecture (national conference)

"Research misconduct: What every scholar should know" (2008)

"EIM On Campus: So easy, even a student can lead the effort!" (2012)

"Exercise is Medicine on Campus: Celebrate and Participate!" (2013)

"Authorship, it's not as easy as it looks" (2018)

Pre-Conference (national conference)

"Graduate and Early Career Day" (2012-present)

Clinical Colloquium (national conference)

"Exercise and Pregnancy" (2013)

ACSM Regional Chapter Activity

Program planning committee member for the Texas Chapter of ACSM 1994 annual meeting
(June, 1993 - Feb, 1994)

Board of Directors, Midwest Chapter (1995-97); program committee, (1995-97)

Free communications session chair at the Midwest Chapter annual meeting
(South Bend, IN; 1997)
(Grand Rapids, MI; 2000)

Student research presentation awards committee at Midwest Chapter annual meeting
(Cleveland, OH; 1998)

Invited Speaker at Texas Chapter annual meeting
(Odessa, TX; 2008)

Centers for Disease Control and Prevention

Prevention Research Centers Review Panel (July, 1999; July, 2005)
National Children's Study, Physical Activity Working Group (Nov, 2003-present)
Expert Panel on Physical Activity and Youth (Dec, 2003-2005)
Workshop on Physical Activity Measurement (July, 2014)

Cold Spring Harbor

Exercise Science Meeting Presenter, Pregnancy and Exercise (2015)

Department of Health and Human Services

Consultant to the US Physical Activity Guidelines Advisory Committee (Healthier US Gov):
responsible for writing the section on physical activity during pregnancy (2007-2008)

Institute of Medicine

Workshop on the adequacy of evidence for physical activity guidelines development (Oct, 2006)

Contributor to US Physical Activity Guidelines: exercise during pregnancy and the postpartum period,
(May, 2008).

Joint Commission for Sports Medicine and Science

Attended the annual meeting as the NASPEM representative (Indianapolis, IN; March, 2001)
Presented at the annual meeting as the NASPEM representative (St. Louis, MO; March, 2002)
Attended the annual meeting as the NASPEM representative (Orlando, FL; Feb, 2003)
Attended the annual meeting as the ACSM representative (Kansas City, MO; Feb, 2009)

National Aeronautics and Space Administration (NASA)

Served on an advisory group with the task of designing a pre-flight conditioning program for Shuttle
astronauts who participate in extravehicular activities (EVA) (1993-1994)

National Institutes of Health (NIH)

Reviewer for program project grant, NHLBI (1997)
Reviewer for special emphasis panel, NIA (1999)
Reviewer for Research Integrity RFA, NINDS (2004)
Invited presenter for workshop on "Obesity, women's health, and pregnancy: messages to ensure healthy mothers and babies" (2006)
Reviewer for Psychosocial Risk & Health Behavior IRG (Oct, 2006; Sept, 2007; Jan, 2009)
Reviewer for NIDDK translational grants IRG (March, 2008)
Reviewer for NIH Challenge Grants (July, 2009)
Reviewer for NIH Health Deliveries Management IRG (Oct, 2010)
Reviewer for NIH NHLBI T-32 Training Grants (June, 2012)
Reviewer for NIH NIDDK (KNOD, June, 2013; Feb, 2014, Oct, 2014, Feb, 2016)

National Physical Activity Plan (NPAP)

NPAP Applications in Colleges and Universities (with Bridget Melton) (2015)
NPAPA College and University Committee, Campus Planning and Programming Subcommittee (Chair, 2015-present)

National Wheelchair Athletic Association (NWAA)

Performed metabolic assessments (at the U.S. Olympic Training Center) on elite members of the national paralympic track and field team (1987)

North American Society for Pediatric Exercise Medicine (NASPEM)

Board of Directors (1996-2000)
Program Planning Committee (1999-2000)
Biennial Meeting Host (2002)
President-Elect (2000-2002)
President (2002-2004)
Past President (2004-2006)

President's Council on Fitness, Sports & Nutrition

Science Advisory Board (2011-2013)

Promotion and Tenure

Served as an external reviewer for promotion and tenure cases (specifics confidential)

- 1994 (one case)
- 1996 (one case)
- 1999 (three cases)
- 2002 (one case)
- 2003 (four cases)
- 2004 (one case)
- 2005 (two cases)
- 2006 (one case)
- 2008 (one case)
- 2009 (two cases)
- 2010 (one case)
- 2011 (one case)
- 2012 (two cases)
- 2015 (one case)
- 2017 (one case)

SHAPE Magazine

Advisory board member for pediatrics, pregnancy and exercise articles (1992-2002)

SELF Magazine

Scientific advisor (2014-present)

United States Army Research Institute for Environmental Medicine

Site reviewer for the Occupational Task Performance and Injury Program (2005)

State

Cancer Primary Prevention Workgroup (State of Michigan; 1997-2000)

Contributor and presenter for "Informing the Debate: Health Policy Options for Michigan Policymakers". This was an outreach effort aimed at candidates for the Michigan House and Senate (March, 2002).

Co-leader of *The Urban Built Environment, Social Capital, and Human Health Conference* (Battle Creek, MI; May, 2003)

Michigan Governor's Council on Physical Fitness, Health and Sports (2011-present)

Regional and Local

Performed physical fitness assessments on members of two local Fire Departments (Bellaire and West University) in an effort to help them improve physical fitness, establish fitness standards, and establish criteria for hiring (1987)

Served as a member of the Graduate Proposal Advisory Committee for the Nutrition and Dietetics Program of the University of Texas, School of Allied Health Sciences (1990 - 94)

"Exercise and Menstrual Function" presented as an interview on Channel 13 (ABC television affiliate in Houston) as part of the Good Morning Houston television show (Feb, 1992).

"Fitness in Adolescents", presented at the Baylor College of Medicine Adolescent Medicine Update Conference (May, 1992)

"Exercise Programs for Children", presented at Tenneco, Inc. as part of their noontime Wellness series (July, 1992)

"Exercise Concerns of Adolescent Males", presented at the Northeast Houston Adolescent Project entitled A Health Promotion Conference on Teen Issues, sponsored by the Harris County Hospital District and HISD (Aug, 1992)

"Developing an Exercise Program for Adults", presented as part of Achieving a Low Fat Lifestyle: Staying Motivated program sponsored by the Texas Heart Institute (Sept, 1992).

"Exercise for Children and Adolescents", presented as part of Children and Heart Disease: What Every Parent Needs to Know program sponsored by the Texas Heart Institute (Jan, 1993).

"Exercise and Heart Disease", presented as an interview on Channel 13 (ABC television affiliate in Houston) as part of The Heart of a Healthy Life television show sponsored by the Houston Division of the American Heart Association (Feb, 1993).

"Exercise and Youth", presented as in interview on Channel 39 (Independent television station in Houston) as part of their Outlook public service television show (April, 1993).

"Exercise Concerns of Adolescents", presented at the Northeast Houston Adolescent Project entitled Teen Summit sponsored by the Northeast Adolescent Program, HISD, TSU, and the Texas Attorney General's Office (April, 1993).

"Exercise for Children in the Year 2000", presented to the Houston Area Chapter of the Pediatric Nutrition Practice Group (May, 1993).

"Summertime: Making the Living Easy", presented as part of The Children's Hour, presented by Texas Children's Hospital (May, 1993).

"Exercise and Diabetes", presented at Camp Rainbow, a day camp for children with diabetes; sponsored by the American Diabetes Association, Texas Affiliate, Inc. (July, 1993).

"Exercise During Pregnancy", presented at Baylor College of Medicine and sponsored by the Office of Health Promotion (August, 1993).

"Appropriate Exercises for Children", presented at Marathon Oil Company as part of their Wellness Month educational series (September, 1993).

"Exercise and Nutrition Issues for Children and Adolescents", presented as part of a faculty in-service for Goose Creek Independent School District (January, 1994).

"Exercise Concerns for Adults and Children", presented at Sumitomo Corporation of America as part of their noontime health lecture series (February, 1994).

"Prevention is More than Shots", presented at the American Heart Association (Houston) as part of their school partnership program (April, 1994).

"Women's Exercise & Fitness: Special Concerns?", presented at the Michigan Athletic Club for the St. Lawrence Hospital Women's Health Day (March, 1996).

State of Michigan Department of Environmental Quality Wellness Day (March, 1997).

"Research into effective physical education curricula", Lakeview School District Board of Education Meeting (Dec, 1997).

"Physical Activity for Health and Disease Prevention", FACT Coalition symposium on "Obesity: a personal or public health issue? (March, 2003)

"Olympic Torchbearer Reflections", Williamston (MI) Kiwanis Club (March, 2010)

"Olympic Torchbearer Reflections", Haslett and Okemos (MI) Rotary Club (March, 2010)

University of Houston (UH)

University-Wide

Founder and director of HOU-FIT, a health fitness program for UH Faculty, Staff, Students (1984 - 87)
 Research Awards Committee (1987 - 90)
 Reviewer for the Research Initiation Grant program (1988 - 91)
 Faculty Grievance Committee (1989-91)

College of Education

Nominations and Elections Committee (1984 - 86)
 Salary Review Committee (1987 - 88)
 Graduate Studies Committee (1988 - 90)

Department of Health and Human Performance

Coordinator of ACSM (Texas Chapter) lecture tours (1985 - 90)

Standing Committees

Exercise Science Committee (1988 - 91)

Human Performance Graduate Studies Committee (1984 - 90)

Awards Committee (1988 - 89)

Ad Hoc Committees

Search Committees - 4 (Chair, 1)

Texas Children's Hospital

Ambulatory Care Committee on Excellent Service (ACCES) (1991- 94)

Ambulatory Clinic Chiefs, Administrative Committee Member (1991-94)

Special Events Committee (1992-93)

Monthly contributor of "Words of Wellness" for OUTLOOK (1992-94)

Management Forum advisory committee (1992-93)

Steering Committee Member for the March of Dimes "Walk America" (1993)

Consultant to Roberts Elementary (HISD) as part of the "Adopt a School" program (1993-94)

Key Coordinator for JCAHO Mock Survey of Ambulatory Care (1994)

Michigan State University**University**

"Science Olympiad; Science of Fitness" faculty coordinator (1995-2007)

Bio-medical community future-search conference; faculty development theme group (1997-1999)

"Setting Expectations and Resolving Conflicts"; Graduate School program participant (1997)

Reviewer for University Wide AURIG Proposals (1997, 1999, 2001)

Awards Committee (2000-2002)

Faculty Council (2001-2003)

Academic Council (2001-2003)

Co-author of a health care "white paper" on physical activity and nutrition (2002)

MSU Fact Coalition planning committee for obesity forum (2002-present)

Reviewer for MAES/OVPRGS grant writing competition (2002)

Biomedical Institutional Review Board member (2003-present)

Executive Committee for the MSU Obesity coalition (2003-present)

Grant reviewer for FACT grant program (2005-2007)

"Grandparents' University" program, faculty coordinator (2007-present)

Research Integrity Council (2008-present)

Faculty Undergraduate Research Workshop (Jan 2009)

Search Committee Chair, Ombudsman (2011)

Healthy Campus Initiative (2014-present)

College of Osteopathic Medicine

Reviewer for College-wide grant program (1999-present)

Special reviewer for physician external grant application (2000)

Medical student team leader for physical activity/nutrition curriculum (2001-2002)

PM&R research committee and journal club mentor (2002-2004)

Search Committee, PM&R Department (2003-2004)

College of Human Medicine

Medical Education focus group on curriculum (2004-present)

Steering Committee for Sports Medicine/Research Center (2004-present)
 Search Committee (2013-2015)

College of Education

Standing Committees

Curriculum (1994-1996)
 Reappointment, Promotion and Tenure (1997-1999, 2001-2005, 2007-2012, 2014-2016, 2017-2018)
 Faculty Advisory (1999-2001)

Ad Hoc Committees

Reviewer for College Wide Research Initiation Grant Proposals (1996, 2002, 2005)

Department of Kinesiology

Faculty Advisor for Phi Epsilon Kappa (2002-2004)

Standing Committees

Graduate (1994-1998)
 Personnel (1995 - 1997, 2005-2006)
 Faculty Advisory (1999-2001, 2003-2005, 2011-2012)
 Personnel (2001-2003, 2005, 2008-2010, 2012-2014)

Ad Hoc Committees

Laboratory (1994)
 Undergraduate Curriculum (1995-1996)
 Research/Grant Activity Task Force (1997-1998)
 Search Committee Chair; exercise physiology position (1998-1999)
 Outstanding Graduate Student/Dissertation Awards (1996, 1999)
 Search Committee member, athletic training position (1999-2000)
 Search Committee Chair, exercise physiology position (2000-2001)
 Search Committee member (exercise physiology position, 2001-2002)
 Search Committee member, YSI director position (2001-2003)
 Department Chair review committee (2002)
 Search Committee Chair, exercise physiology positions (2005-2007)
 Search Committee member, behavioral position (2007-2009)
 Search Committee member, Chair position (2011-2012)
 Search Committee member, exercise physiology position (2011-2012)
 Search Committee Chair, exercise physiology position (2014-2015)

Department of Epidemiology

Search Committee Member (cardiovascular disease epidemiologist, 1998-1999)

Steering Committee Member, NIH Clinical Research Grant (1999-2006)
 Title - Training Clinical Researchers for Community Settings (TRECOS)

Core Investigator and Executive Committee, NIH T-32 Training Grant (2005-present)
 Assistant Director, T-32 Training Grant (2011-present)
 Title- T-32 training grant for perinatal and pediatric health issues

Preceptor for Medical Students' Policy Presentation (2008-present)

PhD comprehensive examinations, proctor and examiner, (2008-present)

MS thesis Chair (Diana Haggarty, 2016)

Research Misconduct Presentations

National

University of North Texas College of Education
Educational Research Exchange; Denton, TX (Feb, 2008)

American College of Sports Medicine
Annual Meeting; Indianapolis, IN (May, 2008)

University of Texas-Permian Basin
Distinguished Lecture Series; Odessa, TX (Nov, 2008)

American College of Sports Medicine
Annual Meeting; Seattle, WA (May, 2009)

Regional

Michigan ACSM
Annual meeting; Gaylord, MI (Feb, 2008)

Texas Chapter of the American College of Sports Medicine
Annual meeting; Odessa, TX (Feb, 2008)

Southwest Chapter of the American College of Sports Medicine
Annual meeting; San Diego, CA (Oct, 2009)

Southeast Chapter of the American College of Sports Medicine
Annual meeting; Greenville, SC (Feb, 2010)

Northlands Chapter of the American College of Sports Medicine
Spring Tutorial; St. Cloud, MN (Mar, 2010)

Local

Michigan State University

Graduate School
Responsible Conduct of Research Series (2007-present)

Honors College
Professorial Assistant workshop (Oct, 2007)
Research Misconduct (Oct, 2009-present)

College of Education
Research Ethics tutorial (Jan, 2008; Jan, 2013)
Authorship tutorial (April, 2013)

Department of Kinesiology
KIN 843; Research Ethics class (May 2007-2009; 2014-2015)
KIN 371; Research Methods class (2010-present)
KIN 871; Research Methods class (2009-present)
Research Misconduct Issues (Spring, 2010)

Vice-President for Research and Graduate Studies
New faculty and administrator orientations (Fall, 2008-present)

Lyman Briggs College
Research Misconduct presentation (Nov, 2008)
Authorship Presentation (Oct, 2012, 2013)

Associate Provost for Undergraduate Affairs
Research Misconduct Issues
Undergraduate Research in Kinesiology (Jan, 2009)

Graduate Program in Genetics
Research Misconduct Issues (March, 2009)

Sloan and Rigas Graduate Engineering Program
Research Misconduct Issues (April, 2009)

Department of Physiology
PSL 480; Research issues in Physiology
Research Misconduct Issues (April, 2009)

College of Business; PhD students
Research Misconduct (Oct, 2009)

College of Natural Sciences; Faculty Development
Research Misconduct (Feb, 2010)

College of Natural Sciences; Research Ethics 101
Research Misconduct (March, 2010)

Graduate School; film session for website
Research Misconduct (April, 2010)

VPRGS; coffee break
Research Authorship and Data Ownership (March, 2011)

Graduate School; film session for website
Authorship Issues (April, 2011)

College of Nursing
Authorship and Data Ownership (Dec, 2011)

College of Communication Arts and Sciences
Authorship and Data Ownership (March, 2012)
Plagiarism (March, 2016)

Department of Biochemistry and Biomedical Sciences (Nov, 2012)
Research Misconduct

SROP
Research Integrity: Authorship (2013-present)

RCR Class, School of Packaging
Research Misconduct (Sept, 2015)

GAAD
Research Misconduct (Oct, 2015)

Cyberinfrastructure Forum
Research Misconduct and Open Data Issues (Oct, 2015)