

ACADEMIC VITAE

STEVEN E. MARTIN, Ph.D., ACSM-CCEP

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Date

January 2024

EDUCATION

Doctor of Philosophy 2008	Texas A&M University	Kinesiology
Master of Science 1998	Texas A&M University	Kinesiology
Bachelor of Science 1994	The Ohio State University	Exercise Science

PROFESSIONAL ENDORSEMENTS

Certified Phlebotomy Technician	National Performance Specialists	#49692-168-842-3209
Basic Life Support Instructor	The American Heart Association	ID: 12102186790
Certified Clinical Exercise Physiologist®	American College of Sports Medicine	#1031259
Exercise is Medicine® Credential (Level III)	American College of Sports Medicine	
Functional Mobility Specialist {FRCms}	Functional Range Conditioning®	

EXPERIENCE

2022 - Present	Chair: Sports Physiology Program , Kinesiology and Sport Management, Texas A&M University, College Station, Texas
2021 - Present	Chair: Clinical and Applied Exercise Physiology Programs and Curriculum , Kinesiology and Sport Management, Texas A&M University, College Station, Texas
2020 - Present	Associate Director, Sydney and JL Huffines Institute for Sports Medicine and Human Performance , Kinesiology and Sport Management, Texas A&M University, College Station, Texas
2013 - Present	Clinical Associate Professor , Kinesiology and Sport Management, Texas A&M University, College Station, Texas

- 2008 - 2013 **Clinical Assistant Professor**, Health and Kinesiology, Texas A&M University, College Station, Texas
- 2007- 2020 **Coordinator**, Applied Exercise Science Laboratory, Texas A&M University
Program Coordinator, FitLife Exercise Program, Texas A&M University
- 2007- 2008 **Lecturer**, Health and Kinesiology, Texas A&M University, College Station, Texas
- 2003 - 2007 **Exercise Physiologist**, Scott & White Clinic, College Station, Texas
- 1996 - 2003 **Graduate Teaching Assistant**, Health and Kinesiology, Texas A&M University, College Station, Texas
- 1996 - 1997 **Fitness Specialist** , Health Fitness Physical Therapy, Beaumont, Texas
- 1995 - 1997 **Clinical Exercise Physiologist**, St. Elizabeth Hospital, Beaumont, Texas

PROFESSIONAL MEMBERSHIPS AND RESPONSIBILITIES

American College of Sports Medicine, Member# 519026, 1994 – Present

National Strength & Conditioning Association, Member# 127886, 2013 - Present

Texas Chapter of the American College of Sports Medicine – Member 1998 - Present

Clinical Exercise Physiology Association, Member# 25346, 2011 - Present

International Association for Worksite Health Promotion, Member # 24763, 2011 – Present

RESEARCH INTERESTS

- Exercise, Lipid Metabolism, and Cardiovascular Disease Risk
- Cardiovascular Exercise Physiology
- Health, Fitness, and Cardiovascular Disease Risk in Firefighters and Law Enforcement personnel
- Physical Fitness and Cardiovascular Rehabilitation

COMMITTEE MEMBERSHIPS

National

- American College of Sports Medicine, SHI-Youth Sports & Health Committee, 2013 -2016.
- Clinical Exercise Physiology Association, Membership Committee, July, 2013-July, 2015.

State

- President. Texas Chapter of the American College of Sports Medicine, February, 2023 – February, 2024.
- President Elect. Texas Chapter of the American College of Sports Medicine, February, 2022 – February, 2023
- Membership Director. Texas Chapter of the American College of Sports Medicine, July, 2013 – February, 2022.
- Project Advisory Committee Member. Texas State Independent Living Council's Health and Fitness Program, 2012-2014.

Texas A&M University

- Texas A&M Committee for NSCA Accreditation of Undergraduate and Graduate Sport Physiology Programs, 2023 -present.
- Texas A&M Committee for ACSM Accreditation of Undergraduate and Graduate Clinical Programs, 2023 -present.
- Chair, Search Committee for Clinical Assistant Professor (Kinesiology Program), 2021-2022.
- West Point Application Committee, 2018-Present.
- Texas A&M Undergraduate Program Assessment Coordinator, Kinesiology 2019-Present.
- Texas A&M Undergraduate Curriculum Review Committee, 2018-Present.
- Texas A&M Graduate Faculty (Graduate Committee Faculty Status), 2016-Present.
- Texas A&M Human Resources Health & Wellness Committee Member, 2014 - present
- Department of Kinesiology and Sport Management, Applied Exercise Physiology Committee (Professional Phase Application Review Committee), 2007 – Present.
- A1 Review Committee (Clinical & Instructional Professor Specific) Kinesiology Division, HLKN, 2011-Present.
- Chair, A1 Review Committee (Clinical & Instructional Professor Specific) Kinesiology Division, HLKN, 2020 - Present.
- Clinical Track Peer Review of Teaching Training, 2012-Present.
- Member of Search Committee for Clinical Assistant Professor (Athletic Training Graduate Program), 2011 & 2020.
- A1 Review Committee (Kinesiology Division) HLKN, 2010, 2020 (helped update the A1).
- HLKN Gibbons Legacy Award Committee Member, Spring 2010.
- Aggie Exercise Physiology Club Faculty Sponsor, 2007-Present.
- Texas A&M Chiropractic Society Faculty Sponsor, 2017-Present.
- Tactical Athlete Research Unit Faculty Sponsor, 2022-Present.

Local

- Southeast Texas Branch of the American Association of Cardiovascular & Pulmonary Rehabilitation, Treasurer, 1995.
- BCS Chamber of Commerce – Health & Wellness Committee Member June 2015 – present
- Bryan Police Department Training Advisory Board January 2023 - present

INSTRUCTIONAL RESPONSIBILITIES

List of Courses Taught

Undergraduate

KINE 386	Sports Physiology
KINE 433	Physiology of Exercise
KINE 439W	Exercise Evaluation and Prescription (Writing Intensive Course)
KINE 483	Practicum in Kinesiology
KINE 427	Therapeutic and Rehabilitative Principles of Sports Medicine
KINE 482W	Seminar in Research in Exercise Physiology and Motor Behavior (Writing Intensive Course)
KINE 484	Professional Internship
KINE 491	Directed Studies

Graduate

KINE 683	Practicum in Kinesiology (Exercise Evaluation & Fitness Testing)
KINE 648	Instrumentation and Techniques in Exercise Physiology II
KINE 639	Exercise Electrocardiography

KINE 684 Professional Internship
KINE 685 Directed Studies (Research Problems in Clinical Exercise Physiology)

Invited Lectures (Graduate)

MEID 901 Leadership in Medicine-Preventive Medicine Track, College of Medicine.
Teach: "Standards and Practice for Exercise Testing in Health and Disease" (**Guest Lecture/Lab Experience**)

MPHY 606 Cardiac and Integrative Cardiovascular Physiology, College of Medicine.
Teach: "Exercise Electrocardiography and Stress Testing" (**Guest Lecture/Lab Experience**)

PUBLICATIONS

Chapters in Edited Books, Monographs and Published Reports

Carmean, G., Davis, S., Martin, S.E., and Farquhar, W. (2011). Physical Demands Analysis, Fitness Tests for National Basketball Association Referees. MED-TOX Technical Report.

Ribeiro, F.R.B., Rhoades, R.D., Tedeschi, L.O., Smith, S.B., Martin, S.E. & Crouse, S.F. (2009-2010). Evaluating the application of dual x-ray absorptiometry (DEXA) to assess dissectible fat and muscle from the 9 to 11th rib section of beef cattle, Beef Cattle Research in Texas, pp. 81-84.

Refereed Journal Articles Published

Gonzalez, D.E., Dillard, C.C., Johnson, S.E., Martin, S.E., and McAllister, M.J. (2024). Physiological Stress Responses to a live-Fire Training Evolution in Career Structural Firefighters. Journal of Occupational and Environmental Medicine, 66(6), 475-480.

Gonzalez, D. E., Lanham, S. N., Martin, S. E., Cleveland, R. E., Wilson, T. E., Langford, E. L., & Abel, M. G. (2024). Firefighter Health: A Narrative Review of Occupational Threats and Countermeasures. Healthcare (Basel). 12(4), 440-440.

Aflatooni, J., Martin, S., Edilbi, E., Gadangi, P., Singer, W., Loving, R., Domakonda, S., Solanki, N., McCulloch, P.C., & Lambert, B. (2023) A Novel Non-Invasive Method for Predicting Bone Mineral Density and Fracture Risk Using Demographic and Anthropometric Measures. Sports Medicine and Health Science, 5,308-313.

Lytle, J. R., Stanelle, S.T., Martin, S. E., Smith, S.B., Smith, D.R., & Crouse, S. F. (2023). Assessment of Vascular Function in Response to High-Fat and Low-Fat Ground Beef Consumption in Men. Nutrients, 15(6), 1410.

McAllister, M.J., Gonzalez, D.E., Leonard, M., Martindale, M.H., Bloomer, R.J., Pence, J., & Martin, S. E. (2023). Risk Factors for Cardiometabolic Disease in Professional Firefighters. Journal of Occupational and Environmental Medicine, 65(2), 119-124.

McAllister, M.J., Gonzalez, D.E., Leonard, M., Martindale, M.H., Bloomer, R.J., Pence, J., & Martin, S. E. (2022). Firefighters with Higher Cardiorespiratory Fitness Demonstrate Lower Markers of Cardiovascular Disease Risk. Journal of Occupational and Environmental Medicine, 64(12), 1036-1040.

- Lytle, J. R., Stanelle, S.T., Kravits, D. M., Ellsworth, R.L., Martin, S. E., Green, J. S., & Crouse, S. F. (2020). Effects of an Acute Strength and Conditioning Training Session on Dual-Energy X-Ray Absorptiometry Results. Journal of Strength and Conditioning Research, 34(4), 901-904.
- Crouse, S.F., Tolson, H., Lytle, J., Johnson, K.A., Martin, S.E., Green, J.S., & Bramhall, J.P. (2019) Predicting VO₂max From Treadmill Performance in American-Style Football Athletes. Journal of Strength and Conditioning Research, 33(4), 1028-1034.
- Lytle, J. R., Kravits, D. M., Martin, S. E., Green, J. S., Crouse, S. F., & Lambert, B. S. (2019). Predicting Energy Expenditure of an Acute Resistance Exercise. Medicine and Science in Sports and Exercise, 51(7), 1532-1537.
- Crouse, S.F., White, S., Erwin, J.P., Meade T.H., Martin, S.E., Oliver, J.M., Joubert, D.P., Lambert, B.S., Bramhall, J.P., Gill, K., & Weir, D. (2016) Echocardiographic and Blood Pressure Characteristics of First-Year Collegiate American-Style Football Players. American Journal of Cardiology, 117:131-134.
- Oliver, J.M., Joubert, D.P., Caldwell, A., Martin, S.E., & Crouse, S.F. (2015) A longitudinal study examining the effects of a season of American football on lipids and lipoproteins. Lipids in Health and Disease, 14:35 DOI 10.1186/s1294415216.
- Oliver, J.M., Joubert, D.P., Martin, S.E., & Crouse, S.F. (2013) Oral Creatine Supplementation's Decrease of Blood Lactate During Exhaustive, Incremental Cycling. International Journal of Sports Nutrition & Exercise Metabolism, 23:252-258.
- Lambert, B.S., Oliver, J.M., Katts, G.R., Green, J.S., Martin, S.E., & Crouse, S.F. (2012) DEXA or BMI: Clinical Considerations for Evaluating Obesity in Collegiate Division I-A American Football Athletes. Clinical Journal of Sports Medicine, 22(5):436-438.
- Greene, N.P., Martin, S.E., & Crouse, S.F. (2012) Acute Exercise and Training Alter Blood Lipid and Lipoprotein Profiles Differently in Overweight and Obese Men and Women. Obesity, 20:1618-1627.
- Oliver, J.M., Lambert, B.S., Martin, S.E., Green, J.S. & Crouse, S.F. (2012) Predicting Football Player DEXA Body Composition Using Standard Anthropometric Measures. Journal of Athletic Training, 47, 257-263.
- Ribeiro, F.R.B., Tedeschi, L.O., Rhoades, r.D., Smith, S.B., Martin, S.E. & Crouse, S.F. (2011) Evaluating the application of dual x-ray absorptiometry to assess dissectible and chemical fat and muscle from the 9 to 11th rib section of beef cattle. Professional Animal Scientist, 27, 472-276.
- Crouse, S.F., Meade, T., Hansen, B.E., Green J.S. & Martin, S.E. (2009) Electrocardiograms of collegiate football athletes. Clinical Cardiology, 32(1), 37-42. (PMID:19143003)
- Miller, T.A., Thierry-Aguilera, R., Congleton, J.J., Amendola, A.A., Clark, M.J., Crouse, S.F., Martin, S.E. & Jenkins, O.C. (2007) Seasonal changes in VO₂max among division 1A collegiate women soccer players. Journal of Strength and Conditioning Research, 21(1), 48-51. (PMID:17313258)

Glowacki, S.P., Martin, S.E., Maurer, A., Baek, W., Green, J.S. & Crouse, S.F. (2004) Effects of resistance, endurance, and concurrent exercise on training outcomes in men. Medicine and Science in Sports and Exercise, 36(12), 2119-2127. (PMID:15570149)

Bounds, R.G., Martin, S.E., Crouse, S.F., O'Brien, B.C., Grandjean, P.W. & Inman, C. (2000) Diet and short term plasma lipoprotein-lipid changes after exercise in trained men. International Journal of Sports Nutrition, 10, 114-127. (PMID:10861333)

Refereed Abstracts (including site of presentation)

Gonzalez, D.E., Dillard, C.C., Leonard, M., Dickerson, B.L., Yoo, C., Ko, J., Xing, D., Jenkins, T., Johnson, S.E., Estes, L., Sowinski, R.J., Rasmussen, C.J., Martin, S.E., McAllister, M.J., Kreider, R.B. (2023). Effects of Astaxanthin on Inflammatory and Oxidative Stress Response to Fire Suppression Activities (Abstract) (International Society Sports Nutrition, FL, June 2023)

Gonzalez, D.E., Johnson, S.E., Dillard, C.C., Sowinski, R.J., McAllister, M.J., Martin, S.E., Colvin, L.C. (FACSM) (2023) Physiological Stress Responses To a Live-fire Training Evolution in Career Firefighters (Abstract) Medicine and Science in Sports & Exercise, 55(9S): 926 (American College of Sports Medicine, Denver, CO, May 2023)

Lambert, B., Haghshenas, V., Bondar, K., Wilson, A., Afltooni, J., Hirase, T., McCulloch, P., Harris, J., Martin, S.E., Crouse, S. (FACSM), Saifi, C. (2023) Elevated Prevalence of Idiopathic Scoliosis in Elite Female Professional Ballet Performers (Abstract) Medicine and Science in Sports & Exercise, 55(9S):808 (American College of Sports Medicine, Denver, CO, May 2023)

Lambert, B.S., Parker, S., Hedt, C., McCulloch, P., Greene, N., Joubert, D., Martin, S., Carbuhn, A., Riechman, S., Fluckey, J., Crouse, S. (2023) Novel Anti-inflammatory Benefits of Aquatic Treadmill Use With Considerations for Rehabilitation (Abstract) (Orthopedic Research Society, Dallas, TX, February 2023)

Martin, S.E., Stanelle, S., Lytle, J.R., Green, J.S. (FACSM), Fluckey, J.D., & Crouse, S.F. (FACSM) (2022) Significant Predictors of Nonalcoholic Fatty Liver Disease in Texas Firefighters. (Abstract) Medicine and Science in Sports & Exercise, 54(9S): 544-545. (American College of Sports Medicine, San Diego, CA, May 2022)

Lambert, B.S., Martin, S., Daum, J., Harper, K., & McCulloch, P. (2020) A Novel Non-Invasive Method for Predicting DEXA Measured Bone Mineral Density and Fracture Risk Using Standard Anthropometric Measures. (Abstract) (Orthopedic Research Society, Phoenix, AZ, February 2020)

Martin, S.E., Stanelle, S., Lytle, J.R., Remy, A., Peltier, C, Green, J.S. (FACSM), Crouse, S.F. (FACSM) (2020) Dexa Body Composition and Cardiovascular Risk Markers are Weakly Related in Male Firefighters with Fatty Livers. (Abstract) Medicine and Science in Sports & Exercise, 52(7S):799. (American College of Sports Medicine, Virtual, July 2020)

Stanelle, S.T., Lytle, J.R., Lambert, B.S., Martin, S.E., Green, J.S. (FACSM), Crouse, S.F. (FACSM) (2020) Cross-validation of a Prediction Equation for Energy Expenditure of an Acute Resistance Exercise Bout (Abstract) Medicine and Science in Sports & Exercise, 52(7S):213. (American College of Sports Medicine, Virtual July 2020)

- Lytle, J.R., Wilson, K.L., Stanelle, S.T., Wofford, M.B., Bonta, R.M., Martin, S.E., Green, J.S. (FACSM), Crouse, S.F. (FACSM) (2020) High Fat Relative to Low Fat Ground Beef Consumption Lowers Blood Pressure and Does not Negatively Alter Arterial Stiffness (Abstract) *Medicine and Science in Sports & Exercise*, 52(7S):235. (American College of Sports Medicine, Virtual July 2020)
- Martin, S.E., Kravits, D., Sealy, K, Wilson, K., Lytle, J.R., Stanelle, S.T., Green, J.S. (FACSM), Crouse, S.F. (FACSM) (2019) One-Year Changes in Cardiovascular Risk Markers in Police Officers. (Abstract) *Medicine and Science in Sports & Exercise*, 51(6)(Suppl.):S31. (American College of Sports Medicine, Orlando, FL, May 2019)
- Stanelle, S.T., Lytle, J.R., Martin, S.E., Green, J.S. (FACSM), Crouse, S.F. (FACSM) (2019) Effects of an Acute Strength and Conditioning Training Session of Dual Energy X-ray Absorptiometry Results. (Abstract) *Medicine and Science in Sports & Exercise*, 51(6)(Suppl.):S939. (American College of Sports Medicine, Orlando, FL, May 2019)
- Lytle, J.R., Wilson, K.L., Stanelle, S.T., Martin, S.E., Crouse, S.F. (FACSM) (2019) Blood Pressure, Body Composition, and Plasma Lipids Are Not Related to Indices of Vascular Health. (Abstract) *Medicine and Science in Sports & Exercise*, 51(6)(Suppl.):S492. (American College of Sports Medicine, Orlando, FL, May 2019)
- Wilson, K.L., Lytle, J.R., Martin, S.E., Crouse, S.F. (FACSM) (2019) VO₂max and Dual Energy X-Ray Absorptiometry Results in NCAA Division I Tennis Players. (Abstract) *Medicine and Science in Sports & Exercise*, 51(6)(Suppl.):S915. (American College of Sports Medicine, Orlando, FL, May 2019)
- Martin, S.E., Atchison, R., Sealy, K, Johnson, K.A., McGuire, A.T., Lytle, J., Green, J.S. (FACSM), Crouse, S.F. (FACSM) (2018) Cardiovascular Risk Markers in Firefighters: A Longitudinal Study. (Abstract) *Medicine and Science in Sports & Exercise*, 50(5)(Suppl.):S23. (American College of Sports Medicine, Minneapolis, MN, May 2018)
- Crouse, S.F., Tolson, H., Martin, S.E., Green, J.S., Bramhall, J.P., Hedrick, P., Lytle, J. VO₂max Can Be Accurately Predicted in American Football Athletes from Treadmill Exercise Time. *Experimental Biology Abstract*, San Diego, California, Saturday April 20, 2018. *The FASEB Journal* 2018 32:1_supplement, 588.35.
- Green, J.S., Martin, S.E., Crouse, S.F. (FACSM) (2018) Waist Circumference and BMI Are Associated With Cardiovascular Disease Risk Markers in Police Officers. (Abstract) *Medicine and Science in Sports & Exercise*, 50(5)(Suppl.):S535. (American College of Sports Medicine, Minneapolis, MN, May 2018)
- Kravits, D.M., Lambert, B.S., Lytle, J.R., Martin, S.E., Green, J.S., Crouse, S.F. (FACSM). (2018) Predicting Energy Expenditure of an Acute Bout of Resistance Exercise in Men and Women. (Abstract) *Medicine and Science in Sports & Exercise*, 50(5)(Suppl.):S662. (American College of Sports Medicine, Minneapolis, MN, May 2018)

- Lytle, J.R., Martin, S.E., Green, J.S., Crouse, S.F. (FACSM). (2018) Effects of an Acute Strength and Conditioning Bout on Dual Energy X-ray Absorptiometry Results. (Abstract) *Medicine and Science in Sports & Exercise*, 50(5)(Suppl.):S163. (American College of Sports Medicine, Minneapolis, MN, May 2018)
- Martin, S.E., Johnson, K.A., McGuire, A.T., Donnell, A.L., Mohnke, D.K., Martin, S.E., Green, J.S. (FACSM), Crouse, S.F. (FACSM) (2017) Association of Cardiovascular Fitness and Metabolic Syndrome in Male First Responders. (Abstract) *Medicine and Science in Sports & Exercise*, 49(5)(Suppl.):S279. (American College of Sports Medicine, Denver, CO, June 2017)
- Crouse, S.F. FACSM, Erwin, III, J.P., White, S., Meade, T.H., Martin, S.E., Green, J.S. FACSM, Oliver, J.M., Joubert, D.P., Lambert, B.S., Bramhall, J.P., Gill, K., Weir, D., Tolson, H. (2017) Adding BMI to Electrocardiographic Criteria Improves Accuracy of Predicting Left Ventricular Mass in Football Athletes. (Abstract) *Medicine and Science in Sports & Exercise*, 49(5)(Suppl.):S119. (American College of Sports Medicine, Denver, CO, June 2017)
- McGuire, A.T., Crouse, S.F. (FACSM), Donnell, A.L., Mohnke, D.K., Martin, S.E., Green, J.S. (FACSM) (2017) DEXA Body Composition and Cardiovascular Risk Factors are Weakly Related in Police Officers. (Abstract) *Medicine and Science in Sports & Exercise*, 49(5)(Suppl.):S109. (American College of Sports Medicine, Denver, CO, June 2017)
- Johnson, K.A., Donnell, A.L., Mohnke, D.K., Martin, S.E., Green, J.S. (FACSM), Crouse, S.F. (FACSM) (2017) DXA Body Composition is Weakly Related to Blood Lipids, Blood Pressure, and Glucose in Firefighters. (Abstract) *Medicine and Science in Sports & Exercise*, 49(5)(Suppl.):S110. (American College of Sports Medicine, Denver, CO, June 2017)
- Martin, S.E., Green, McLaughlin, K., Noack, B., Granados, J., Joubert, D., Green, J.S., & Crouse, S.F. (2016) Relationship between fitness assessments, fitness levels and coronary heart disease risk markers in police officers. (Abstract) *Medicine and Science in Sports & Exercise*, 48(5)(Suppl.):S435. (American College of Sports Medicine, Boston, MA, June 2016)
- Crouse, S.F., White, S., Erwin, J.P., Meade, T.H., Martin, S.E., Oliver, J.M., Joubert, D.P., Lambert, B.S., Bramhall, J.P. Gill, K., & Weir, D. (2016) Echocardiographic and blood pressure characteristics of first year collegiate American style football players. (Abstract) *Medicine and Science in Sports and Exercise*, 48(5) (Suppl.), S39. (American College of Sports Medicine, Boston, MA, June 2016)
- Martin, S.E., Green, J.S., Weir, D., Bramhall, J.P., Meade, T., Bilhartz, R., Joubert, D., Crouse, S.F. (2015) Is it Dextrocardia or not - FBS college football player. (Abstract) *Medicine and Science in Sports & Exercise*, 47(5)(Suppl.):S840. (American College of Sports Medicine, San Diego, CA, May 2015)
- Caldwell, A.R., Oliver, J.M., Martin, S.E., Crouse, S.F. (2015) Risk Factors Associated with Dyslipidemia in Football Athletes Over the Course of a Season. (Abstract) *Medicine and Science in Sports & Exercise*, 47(5)(Suppl.):S656. (American College of Sports Medicine, San Diego, CA, May 2015)
- Crouse, S.F., Lambert, B.S., Martin, S.E., Green, J.S., Carradine, A.T., Carbuhn, A.F. (2014) Estimating the Energy Cost of Resistance Exercise in Men and Women. (Abstract) *Medicine and Science in Sports and Exercise*, 46(5)(Suppl.), S569 (American College of Sports Medicine, Orlando, FL, May 2014)

- Martin, S.E., Schmidt, M., Lambert, B., Joubert, D., Green, J.S., Crouse, S.F. (2014). Association of Cardiovascular Fitness and Metabolic Syndrome in Male Police Officers. (Abstract) Medicine and Science in Sports and Exercise, 46(5)(Suppl.), S116 (American College of Sports Medicine, Orlando, FL, May 2014)
- Martin, S.E., Lambert, B.S., Green, J.S., Crouse, S.F. (2013) The Relationship of Metabolic Syndrome and Self –Reported Aerobic Exercise in Adult Male Fire Fighters. Medicine and Science in Sports & Exercise, 45(5)(Suppl.):S. 273 (American College of Sports Medicine, Indianapolis, IN, May 2013)
- Joubert, D.P., Martin, S.E., Meade, T.H., Cruz, F., Erwin, J.P., White, S., Weir, D., Bramhall, J.P., Gill, K., Kapchinski, K., Crouse, S.F. (2013) Echocardiographic Characteristics of Freshmen NCAA Division I Football Athletes. Medicine and Science in Sports & Exercise, 45(5) (Suppl.):S.206 (American College of Sports Medicine, Indianapolis, IN, May 2013)
- Crouse, S.F., Greene, N.P., Lambert, B.S., Carradine, A.T., Joubert, D., Martin, S.E. Aquatic Treadmill Training Reduces Blood Pressure Reactivity to Exercise Stress and Raises eNOS in Previously Sedentary Adults. Experimental Biology Abstract 1710, Boston, MA, Tuesday April 23, 2013, Program number 1132.22, Poster board B316.
- Martin, S.E., Green, J.S., Gill, K., Lambert, B., Oliver, J., McCammon, K., Dobson, J., Crouse, S.F. (2012) Is it Wolff Parkinson White or not –FBS college football player. Medicine and Science in Sports & Exercise, 44(2)(Suppl.):S153. (American College of Sports Medicine, San Francisco, CA, June 2012)
- Crouse, S.F., Lambert, B.S., Greene, N.P., Constanzo, T.W., Martin, S.E. Exercise blood pressures are lower after aquatic compared to land treadmill training. Experimental Biology Abstract 4379, San Diego, California, Wednesday April 25, 2012, Program number 1142.35, Poster board S402.
- Oliver, J.M., Crouse, S., Tanguay, J., Weir, D. & Martin, S. (2011) Seasonal changes in blood lipids in freshmen NCAA-IA football players. (Abstract) Medicine and Science in Sports and Exercise, 43 (5)(Suppl.), S1. (American College of Sports Medicine, Denver, CO, June 2011)
- Crouse, S.F., Oliver, J.M., Martin, S.E., Dobson, J., Riechman, S.E., Weir, D. Tanguay, J., Green, J.S. & Bramhall, J.P. (2011) Lipid profiles of American collegiate football athletes in response to fall preseason camp. (Abstract) Medicine and Science in Sports and Exercise, 43 (5)(Suppl.), S1-2. (American College of Sports Medicine, Denver, CO, June 2011)
- Borsack, J., Martin, S., Crouse, S.F., Hill, K.L., Meade, T., Braden, B. & Green, J.S. (2011) Profiles of coronary artery disease risk in cardiac patients: Actual versus perceived. (Abstract) Medicine and Science in Sports and Exercise, 43 (5)(Suppl.), S316. (American College of Sports Medicine, Denver, CO, June 2011)
- Dietz, A., Borsack, J., Martin, S., Hill, K.L., Meade, T., Crouse, S.F. & Green, J. (2011) Differences in heart disease risk perception and actual cardiac risk in male vs. female cardiac patients. (Abstract) Medicine and Science in Sports and Exercise, 43 (5)(Suppl.), S316-317. (American College of Sports Medicine, Denver, CO, June 2011)

- Martin, S.E., Lambert, B.S., Dobson, J., Green, N.P., Green, J.S. & Crouse, S.F. (2011) Association of aerobic fitness and metabolic syndrome in male firefighters. (Abstract) Medicine and Science in Sports and Exercise, 43 (5)(Suppl.), S384. (American College of Sports Medicine, Denver, CO, June 2011)
- Doughty, K., Martin, S., Lambert, B., Oliver, J., Weir, D., Tanguay, J. & Crouse, S.F. (2011) Hemodynamics at maximum exercise and exercise recovery in freshman football recruits at a FBS school. (Abstract) Medicine and Science in Sports and Exercise, 43 (5)(Suppl.), S448. (American College of Sports Medicine, Denver, CO, June 2011)
- Crouse, S.F., Oliver, J.M., Martin, S.E., Riechman, S.E., Dobson, J, McCammon, K, Weir, D., Tanguay, J. & Bramhall, J.P. (2011) DHA supplementation and blood lipoproteins in football athletes during heavy physical training. (Abstract) The FASEB Journal, 25:1b556. (Experimental Biology International Meeting, Washington, D.C., April 2011)
- Oliver, J.M., Lambert, B.S., Martin, S.E., Tanguay, J.M., Bragg, A.F., Green, J.S. & Crouse, S.F. (2011) Predicting body fat to the accuracy of DEXA using standard anthropometric measures. (Abstract). The Journal of Strength and Conditioning Research, 25,(1), S39. (2010 National Strength and Conditioning Association National Conference, Orlando, Florida, July 15, 2010)
- Greene, N.P., Martin, S.E., Lambert, B.S. & Crouse, S.F. (2010) Differential effects of acute and chronic exercise on HDL-cholesterol in overweight/obese men and women. (Abstract) Medicine and Science in Sports and Exercise, 42(5), (Suppl.) S530-531. (American College of Sports Medicine, Baltimore, MD, June 2010)
- Oliver, J.M., Martin, S.E., Barnes, W.S., Green, J.S. & Crouse, S.F. (2010) Creatine reduces blood lactate levels at cycling loads below lactate threshold. (Abstract) Medicine and Science in Sports and Exercise, 42(5) (Suppl.), S555. (American College of Sports Medicine, Baltimore, MD, June 2010)
- Crouse, S.F., Oliver, J., Green, J.S., Bragg, A., Lambert, B.S., Martin, S.E., Greene, N.P. & Bramhall, J.P. (2010) Lipid profiles in NCAA Division I football players compared with non-athletes. (Abstract) Medicine and Science in Sports and Exercise, 42(5)(Suppl.), S751. (American College of Sports Medicine, Baltimore, MD, June 2010)
- Martin, S.E., Glowacki, S.P., Greene, N.P., Green, J.S. & Crouse, S.F. (2010) Influence of exercise training on the lipoprotein-lipid response to a single session of exercise. (Abstract) Medicine and Science in Sports and Exercise, 42(5)(Suppl.), S292. (American College of Sports Medicine, Baltimore, MD, June 2010)
- Ribeiro, F.R.B., Rhoades, R.D., Tedeschi, L.O., Smith, S.B., Martin, S.E. & Crouse, S.F. (2009). Evaluating the application of dual x-ray absorptiometry (DEXA) to assess dissectible fat and muscle from the 9 to 11th rib section of beef cattle. (Abstract) Journal of Animal Science, 87, Suppl. 2, 55. (Joint Annual Meeting of the American Dairy Science Association-Canadian Society of Animal Science-American Society of Animal Science, Quebec, Canada, July 2009)
- Lambert, B.S., Martin, S.E., Green, J.S., Carbuhn, A.F. & Crouse, S.F. (2009) Prediction of the total energy cost of an acute bout of resistance exercise in young men and women. (Abstract) Medicine and Science in Sports and Exercise, 41(5),(Suppl.), S295. (American College of Sports Medicine, Seattle, WA, June 2009)

- Martin, S.E., Glowacki, S.P., Womack, W., Green, J.S. & Crouse, S.F. (2009) Short-term changes in LDL density and lipoprotein particle number in trained men after 3 different modes of exercise. (Abstract) Medicine and Science in Sports and Exercise, 41(5),(Suppl.), S561. (American College of Sports Medicine, Seattle, WA, June 2009)
- Ribeiro, F.R.B., Rhoades, R.D., Tedeschi, L.O., Smith, S.B., Martin, S.E. & Crouse, S.F. (2009) Evaluating the application of dual x-ray energy absorptiometry (DEXA) to assess dissectible fat and muscle from the 9th to 11th rib section of beef cattle (Abstract) Journal of Animal Science, 87(Suppl 1). (Joint ADSA-CSAS-ASAS National Animal Science Meeting, Montreal, Canada, July 2009)
- Crouse, S.F., Martin, S.E., Glowacki, S.P. Womack, J.W. & Green, J.S. (2008) Resistance, endurance, and combined exercise causes changes in non-traditional lipid CHD risk markers. (Abstract) Medicine and Science in Sports and Exercise, 40(5)(Suppl.), S287. (American College of Sports Medicine, Indianapolis, IN, May 2008)
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- Lambert, B.S., Martin, S.E., Green, J.S. & Crouse, S.F. (2008) Prediction of DEXA %fat by triceps and suprailiac skinfold measurements in young women. (Abstract) Medicine and Science in Sports and Exercise, 40(5)(Suppl.), S271. (American College of Sports Medicine, Indianapolis, IN, May 2008)
- Green, J.S., Eberhard, D., Jobe, L., Braden, B., Martin, S., Meade, T. & Crouse, S.F. (2008) Exercise recovery hemodynamics in obese vs. overweight adult patients symptomatic for heart disease. (Abstract) Medicine and Science in Sports and Exercise, 40(5)(Suppl.), S330. (American College of Sports Medicine, Indianapolis, IN, May 2008)
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- Crouse, S.F., Martin, S.E., Troup, J.M., Green, J.S. & Glowacki, S.P. (2005) Endurance exercise acutely raises blood LDL-III subfractions in trained and untrained men. (Abstract) FASEB Journal, 19(4): A195 Part 1 Suppl. S, March 4, 2005. (Experimental Biology: XXXV International Congress of Physiological Sciences, San Diego, CA, April 2, 2005)

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- Crouse, S.F., Glowacki, S. Martin, S., Maurer, A., Baek, T. & Green, J.S. (2004) The effects of resistance, endurance, and concurrent training on performance variables in previously untrained men. (Abstract) Medicine and Science in Sports and Exercise, 36(5)(Suppl.), S53. (American College of Sports Medicine, Indianapolis, IN, June 2004)
- Blank, H., Glowacki, S., Martin, S.E., Green, J.S. & Crouse, S.F. (2004) The influence of circuit resistance training on blood lipid responses to circuit resistance exercise. (Abstract) Medicine and Science in Sports and Exercise, 36(5)(Suppl.), S216 (American College of Sports Medicine, Indianapolis, IN, May 2004)
- Martin, S.E., Grandjean, P.W., Cooke, W.J., Pellegrini, G. & Crouse, S.F. (2003) The influence of circuit resistance training on blood lipid responses to circuit resistance exercise. (Abstract) Medicine and Science in Sports and Exercise, 35(5)(Suppl.), S368. (American College of Sports Medicine, San Francisco, CA, May 2003)
- Martin, S.E., Grandjean, P.W., Cooke, W.H., Carter, J.R. & Crouse, S.F. (2002) The influence of resistance training on blood lipid responses to resistance exercise. (Abstract) Medicine and Science in Sports and Exercise, 33(5)(Suppl.), S260. (American College of Sports Medicine, St. Louis, MO, June 2002)
- Meyer, K.J., Hutchison, A.T., Martin, S.E., Womack, J.W. & Crouse, S.F. (2001) Associations between self-reported physical activity and cardiovascular risk factors in fire fighters. (Abstract) Medicine and Science in Sports and Exercise, 33(5)(Suppl.), S874. (American College of Sports Medicine, Baltimore, MD, June 2001)
- Womack, J.W., Martin, S.E., Tapia, M., Decker, S., Magirl, A.M. & Crouse, S.F. (2001) Blood lipids and glucose levels exhibit some positive correlation with resting and exercise blood pressures. (Abstract) Medicine and Science in Sports and Exercise, 33(5)(Suppl.), S879. (American College of Sports Medicine, Baltimore, MD, June 2001)
- Martin, S.E., Parker, J.L., Mattox, M., Fogarty, J. & Crouse, S.F. (2001) Association between lipids and indices of coronary vascular compliance in trained and untrained swine. (Abstract) Medicine and Science in Sports and Exercise, 33(5)(Suppl.), S1205. (American College of Sports Medicine, Baltimore, MD, June 2001)
- Wooten, K., Martin, S.E., Parker, J.L., Mattox, M., Fogarty, J. & Crouse, S.F. (2001) Chronic coronary occlusion, exercise training, and plasma lipids in miniature swine. (Abstract) Medicine and Science in Sports and Exercise, 33(5)(Suppl.), S1206. (American College of Sports Medicine, Baltimore, MD, June 2001)
- Womack, J.S., Green, J.S., Crouse, S.F., Martin, S.E. & Jackson, N.L. (2000) Longitudinal changes in cardiovascular risk markers for police officers. (Abstract) Medicine and Science in Sports and Exercise, 32(5)(Suppl.), S862. (American College of Sports Medicine, Indianapolis, IN, June 2000)

Tapia, M.L., Crouse, S.F., Martin, S.E., Womack, J.W. & Thierry-Aguilera, R. (2000) VO_{2max} and body composition between seasons in elite intercollegiate female soccer players. (Abstract) Medicine and Science in Sports and Exercise, 32(5)(Suppl.), S973. (American College of Sports Medicine, Indianapolis, IN, June 2000)

Martin, S.E., Grandjean, P.W., Weise, S.D., Rohack, J.J. & Crouse, S.F. (2000) Short-term changes in plasma lipids and lipases in post-menopausal women after exercise. (Abstract) Medicine and Science in Sports and Exercise, 32(5) (Suppl.), S1576. (American College of Sports Medicine, Indianapolis, IN, June 2000)

Martin, S.E., Bounds, R.G., Crouse, S.F., O'Brien, B.C., Grandjean, P.W. & Inman, C. (1999) Diet and short term plasma lipoprotein-lipid changes after exercise in trained men. (Abstract) Medicine and Science in Sports and Exercise, 31(5)(Suppl.), S1887. (American College of Sports Medicine, Seattle, WA, June 1999)

Martin, S.E., Grandjean, P.W., Weise, S.D., Crouse, S.F., O'Brien, B.C. & Rohack, J.J. (1998) LCAT and CETP activities and [HDL-C] in postmenopausal women after exercise. (Abstract) Medicine and Science in Sports and Exercise, 30(5)(Suppl.), S308. (American College of Sports Medicine, Orlando, FL, 1998)

RESEARCH GRANTS

Funded Grants

Martin, S.E. & Meade, T.H. (Co-PI). Blood High-Sensitivity C-Reactive Protein, LDL Particle Size, and Lipid Metabolism After a Single Session of Aerobic, Resistance, or Combined Exercise, and After Physical Training. Scott & White Hospital, Internal Grant, 6/2005-6/2006, \$12,980.

Crouse, S.F. & Martin, S.E. (Co-PI). Chronic Coronary Occlusion, Exercise Training, and Regulation of Lipid-Lipoprotein Metabolism. The Florence Oeding Estate, State of Texas Foundation, 6/2000-6/2001, \$2,000. Continuation Award, 8/2001-8/2007, \$12,000.

FUNDED CONTRACTS AND ACTIVITIES

Martin, S.E. & Crouse, S.F. (Co-Directors). Funds Generated Through FitLife Testing Program, 2007, \$42,793; 2008, \$94,354; 2009, \$85,606.75; 2010, \$83,665.39; 2011, \$94,698.29; 2012, \$127,343.36; 2013, \$112,059.33; 2014, \$160,289.79; 2015, \$175,177.30; 2016, \$212,779; 2017, \$173,870; 2018, \$191,157; 2019, \$.

Martin, S.E. & Crouse, S.F. (Co-Directors). Funds Generated Through FitLife Exercise Program, 2007, \$16,799; 2008, \$23,737; 2009, \$28,252.50; 2010, \$33,184.50; 2011, \$24,460.28; 2012, \$19,017; 2013, \$16,313.64; 2014, \$17,475.16; 2015, \$13,087.20; 2016, \$14,466; 2017, \$25,450; 2018, \$15,875.88; 2019, \$.

Martin, S.E. & Crouse, S.F. (Co-Directors). Cardiovascular Health Evaluation and data analysis for Texas A&M Engineering Extension Service- Texas Task Force 1, 2017, \$25,450; 2018, \$14,400; 2019, \$.

Martin, S.E. & Crouse, S.F. (Co-Directors). Cardiovascular Health Evaluation and data analysis for City of College Station Fire Department Personnel, 112 employees, 2008, \$42,490; 2009, \$33,789; 2010, \$29,248; 2011, \$40,900; 2012, 45,570; 2013, \$37,210; 2014, \$53,825.00; 2015, \$50,275; 2016, \$59,665; 2017, \$59,665; 2018, \$65,865; 2019, \$61,260; 2020, \$.

Martin, S.E. & Crouse, S.F. (Co-Directors). Cardiovascular Health Evaluation and data analysis for City of College Station Police Department Personnel, 25 employees, 2007, \$5,556; 22 employees, 2008, \$3,017; 2009, \$2,262.50; 2010, \$2,655; 2011, \$14,320; 2012, \$12,165; 2014, \$19,215.00; 2015(2x \$32,565); 2016, \$14,385; 2017, \$14,385; 2018, \$12,990; 2019, \$8,990.

Martin, S.E. & Crouse, S.F. (Co-Directors). Cardiovascular Health Evaluation and data analysis for City of Bryan Police Department Personnel, 35 employees, 2007, \$8,259; 21 employees, 2008, \$3,190; 2009, \$3,509; 2010, \$2,805; 2011, \$5,520; 2012, \$6,875; 2013, \$7,125; 2014, \$8,140; 2015, \$10,200; 2016, \$41,020; 2017, \$41,020; 2018, \$53,494; 2019, \$52,260; 2020, \$.

Martin, S.E. & Crouse, S.F. (Co-Directors). Cardiovascular Health Evaluation and data analysis for City of Bryan Fire Department Personnel, 108 employees, 2007, \$25,579; 2008, \$32,395; 2009, \$32,679; 2010, \$30,320; 2011, \$32,255; 2012, \$37,175; 2013, \$28,785; 2014, \$30,755.00; 2015, \$35,050; 2016, \$39,870; 2017, \$39,870; 2018, \$43,575; 2019, \$47,415; 2020, \$.

Martin, S.E. & Crouse, S.F. (Co-Directors). Cardiovascular Health Evaluation and data analysis for City of Taylor Fire Department Personnel, 22 employees, 2013, \$11,563.65; 2014, \$13,905.15; 2015, \$14,103.60; 2016, \$13,860; 2017, \$13,860; 2018, \$12,608; 2020, \$.

Martin, S.E. & Crouse, S.F. (Co-Directors). Cardiovascular Health Evaluation and data analysis for Brazos County Precinct 3 Volunteer Fire Department, 22 volunteer fireman; 2011, \$5,880; 2012, \$3,645; 2013, \$4,155; 2014, \$5,085; 2015, \$4,635.00; 2016, \$4,410; 2017, \$5,070; 2018, \$2,625; 2019, \$3,820; 2020, \$.

PRESENTATIONS

Research Abstracts Presented by undergraduate students at State Conferences

Sealy, K.R.(My Student), White, S., Erwin, J.P., Meade, T.H., Martin, S.E., Green, J.S., Oliver, J.M., Joubert, D.P., Lambert, B.S., Bramhall, J.P., Gill MD, K., Weir, D., & Crouse, S.F. (2016) Does ECG Predict Cardiac Hypertrophy in American-Style Football Athletes? International Journal of Exercise Science: Conference Abstract Submissions: Vol.2: Iss.8, Article 89. (Abstract) Texas American College of Sports Medicine Regional Meeting, College Station, TX, March 2016.

Schmidt, M.S. (My Student), Martin, S.E., Lambert, B.S., Carradine, A.T., Green, J.S., FACSM, and Crouse, S.F., FACSM. (2013) Association of Cardiovascular Fitness and Metabolic Syndrome in Male Police Officers. International Journal of Exercise Science: Conference Abstract Submissions: Vol. 2: Iss. 5, Article 10. (Abstract) Texas American College of Sports Medicine Regional Meeting, Austin, TX, February 2013.

- Sanchez, A.C. (My Student), Martin, S.E., Lambert, B.S., Carradine, A.T., Green, J.S., FACSM, and Crouse, S.F., FACSM. (2013) Association of Cardiovascular Fitness and Syndrome X in Male Fire Fighters. International Journal of Exercise Science: Conference Abstract Submissions: Vol. 2: Iss. 5, Article 8. (Abstract) Texas American College of Sports Medicine Regional Meeting, Austin, TX, February 2013.
- Borsack, J., Martin, S., Crouse, S.F., Hill, K.L., Meade, T., Braden, B. & Green, J.S. (2011) Profiles of coronary artery disease risk in cardiac patients: Actual versus perceived. (Abstract) Texas Chapter of American College of Sports Medicine Regional Meeting, Austin, TX, 2011.
- Dietz, A., Borsack, J., Martin, S., Hill, K.L., Meade, T., Crouse, S.F. & Green, J. (2011) Differences in heart disease risk perception and actual cardiac risk in male vs. female cardiac patients. (Abstract) Texas Chapter of American College of Sports Medicine Regional Meeting, Austin, TX, 2011.
- Doughty, K., Martin, S., Lambert, B., Oliver, J., Weir, D., Tanguay, J. & Crouse, S.F. (2011) Hemodynamics at maximum exercise and exercise recovery in freshman football recruits at a FBS school. (Abstract) Texas Chapter of American College of Sports Medicine Regional Meeting, Austin, TX, 2011.
- Kirby, C., (My Student) S.E. Martin, B.S. Lambert, N.P. Greene, J.S. Green FACSM, and S.F. Crouse FACSM. Association of Aerobic Fitness and Metabolic Syndrome in Male Firefighters. (Abstract) Texas Chapter of American College of Sports Medicine Regional Meeting, Houston, TX, 2010.
- Allender, K.E., (My Student) S.E. Martin, N.P. Greene, B.S. Lambert, J.S. Green, FACSM, and S.F. Crouse, FACSM. The Relationship of Metabolic Syndrome and Aerobic Exercise in Adult Male Fire Fighters. (Abstract) Texas Chapter of American College of Sports Medicine Regional Meeting, Houston, TX, 2010.
- Durcan, C., Martin, S.E., Lambert, B.S., Greene, N.P., Markos, J.M., Carbuhn, A.F., Green, J.S., & Crouse, S.F. (2009) Association of Aerobic Fitness and Metabolic Syndrome in Male Firefighters. (Abstract) Texas Chapter of American College of Sports Medicine Regional Meeting, Tyler, TX, March 2009

Research Abstracts Presented by graduate students at State Conferences

- Gonzalez D., Leonard M., Johnson, S.E., Dillard, C., Sowinski, R., Martin S.E., Colvin L., McAllister M.J. (2023). Physiological Stress Responses to a Live-Fire Training Evolution in Career Firefighters. International Journal of Exercise Science: Conference Proceedings: Vol 2, Iss 15, Article 9. (Abstract) Texas American College of Sports Medicine Regional Meeting, Waco, TX, February, 2023.
- Gonzalez D., Leonard M., Martaindale M.H., Bloomer R.J., Pence J., Martin S.E., McAllister M.J. (2022). Predictors of Cardiometabolic Disease Risk Factors in Professional Firefighters. International Journal of Exercise Science: Conference Proceedings: Vol 2, Iss 14, Article 77. (Abstract) Texas American College of Sports Medicine Regional Meeting, Waco, TX, February, 2022.

- Leonard, M., Gonzalez D., Martaindale M.H., Bloomer R.J., Pence J., Martin S.E., McAllister M.J. (2022). Impact of Cardiorespiratory Fitness on Markers of Cardiovascular Disease in Professional Firefighters International Journal of Exercise Science: Conference Proceedings: Vol 2, Iss 14, Article 23. (Abstract) Texas American College of Sports Medicine Regional Meeting, Waco, TX, February, 2022.
- Stanelle, S.T., Lytle, J.R., Green, J.S. (FACSM), Fluckey, J.D., Crouse, S.F. (FACSM), S.E. Martin. (2020) Significant Predictors of Nonalcoholic Fatty Liver Disease in Texas Firefighters. (International Journal of Exercise Science: Conference Proceedings: Vol. 2 : Iss.13, Article 61. (Abstract)) Texas American College of Sports Medicine Regional Meeting, Virtual, February, 2021.
- Stanelle, S.T., Lytle, J.R., Lambert, B.S., Martin, S.E., Green, J.S. (FACSM), Crouse, S.F. (FACSM) (2020) Cross-validation of a Prediction Equation for Energy Expenditure of an Acute Resistance Exercise Bout. (International Journal of Exercise Science: Conference Proceedings: Vol. 2 : Iss.12, Article 89. (Abstract)) Texas American College of Sports Medicine Regional Meeting, Waco, TX, February, 2020.
- Lytle, J.R., Wilson, K.L., Stanelle, S.T., Desjardin, S.A., Bonta, R.M., Wofford, M.B., Martin, S.E., Green, J.S., Crouse, S.F. (FACSM) (2020) High Fat Relative to Low Fat Ground Beef Consumption Lowers Blood Pressure and Does not Negatively Alter Arterial Stiffness. (International Journal of Exercise Science: Conference Proceedings: Vol. 2 : Iss.12, Article 50. (Abstract)) Texas American College of Sports Medicine Regional Meeting, Waco, TX, February, 2020.
- Remy, A.I., Lytle, J.R., Martin, S.E., Green, J.S. (FACSM), Moreno, M., McCulloch, P., Boutros, S., Benton, W., Lambert, B.S., Crouse, S.F. (FACSM) (2020) Wearable Positive End-Expiratory Pressure Valve Increases Aerobic Capacity and Performance. (Abstract) Texas American College of Sports Medicine Regional Meeting, Waco, TX, February, 2020.
- Stanelle, S.T., Lytle, J.R., Martin, S.E., Green, J.S. (FACSM), Crouse, S.F. (FACSM) (2019) Effects of an Acute Strength and Conditioning Training Session of Dual Energy X-ray Absorptiometry Results. (International Journal of Exercise Science: Conference Proceedings: Vol. 2 : Iss.11, Article 93. (Abstract)) Texas American College of Sports Medicine Regional Meeting, Fort Worth TX, February, 2019.
- Lytle, J.R., Wilson, K.L., Stanelle, S.T., Martin, S.E., Crouse, S.F. (FACSM) (2019) Blood Pressure, Body Composition, and Plasma Lipids Are Not Related to Indices of Vascular Health. (International Journal of Exercise Science: Conference Proceedings: Vol. 2 : Iss.11, Article 50. (Abstract)) Texas American College of Sports Medicine Regional Meeting, Fort Worth TX, February, 2019.
- Kravits, D.M., Lambert, B.S., Lytle, J.R., Martin, S.E., Green, J.S., Crouse, S.F. (FACSM). (2018) Predicting Energy Expenditure of an Acute Bout of Resistance Exercise in Men and Women. (International Journal of Exercise Science: Conference Proceedings: Vol. 2 : Iss.10, Article 59. (Abstract)) Texas American College of Sports Medicine Regional Meeting, Austin, TX, March, 2018.
- Lytle, J.R., Martin, S.E., Green, J.S., Crouse, S.F. (FACSM). (2018) Effects of an Acute Strength and Conditioning Bout on Dual Energy X-ray Absorptiometry Results. International Journal of

Exercise Science: Conference Proceedings: Vol. 2 : Iss.10, Article 54. (Abstract) Texas American College of Sports Medicine Regional Meeting, Austin, TX, March, 2018.

McGuire, A.T., Crouse, S.F. (FACSM), Donnell, A.L., Mohnke, D.K., Martin, S.E., Green, J.S. (FACSM) (2017) DEXA Body Composition and Cardiovascular Risk Factors are Weakly Related in Police Officers. International Journal of Exercise Science: Conference Proceedings: Vol. 2 : Iss.9, Article 37. (Abstract) Texas American College of Sports Medicine Regional Meeting, Waco, TX, February, 2017.

Johnson, K.A.(My Student), Donnell, A.L., Mohnke, D.K., Martin, S.E., Green, J.S. (FACSM), Crouse, S.F. (FACSM) (2017) DXA Body Composition is Weakly Related to Blood Lipids, Blood Pressure, and Glucose in Firefighters. International Journal of Exercise Science: Conference Proceedings: Vol. 2 : Iss.9, Article 39. (Abstract) Texas American College of Sports Medicine Regional Meeting, Waco, TX, February, 2017.

Johnson, K.A.(My Student), McLaughlin, K.L., Martin, S.E., Green, J.S., & Crouse, S.F. (2016) Predicting VO₂max in Collegiate American-Style Football Athletes. International Journal of Exercise Science: Conference Abstract Submissions: Vol. 2 : Iss.8, Article 105. (Abstract) Texas American College of Sports Medicine Regional Meeting, College Station, TX, March 2016.

McLaughlin, K., Garcia, L., Noack, B., Granados, J., Joubert, D., Green, J., Martin, S.E., & Crouse, S.F. (2015) The Relationship between Fitness Assessments, Fitness Levels, and Coronary Heart Disease Risk Markers in Police Officers. International Journal of Exercise Science: Conference Abstract Submissions: Vol. 2: Iss.7, Article 24. (Abstract) Texas American College of Sports Medicine Regional Meeting, Austin, TX, February 2015.

Carradine, A.T., Lambert, B.S., Greene, N. P., Constanzo, T. W., Martin, S. E. & Crouse, S. F. (2012) Exercise Blood Pressures Are Lower After Aquatic Compared To Land Treadmill Training, International Journal of Exercise Science: Conference Abstract Submissions: Vol. 2: Iss. 4, Article 59. (Abstract) Texas American College of Sports Medicine Regional Meeting, Austin, TX, March 2012.

Joubert, D., Crouse, S.F., Oliver, J., Green, J.S., Bragg, A., Lambert, B.S., Martin, S.E., Green, N.P. & Bramhall, J.P. (2010) Lipid profiles in NCAA Division I football players compared with non-athletes. (Abstract) Texas Chapter of American College of Sports Medicine Regional Meeting, Houston, TX, 2010.

Oliver, J.M., Martin, S.E., Barnes, W.S., Green, J.S. & Crouse, S.F. (2010) Creatine reduces blood lactate levels at cycling loads below lactate threshold. (Abstract) Texas Chapter of American College of Sports Medicine Regional Meeting, Houston, TX, 2010.

Lambert, B.S., Martin, S.E., Green, J.S., Carbuhn, A.F. & Crouse, S.F. (2009) Prediction of the total energy cost of an acute bout of resistance exercise in young men and women. (Abstract) Texas Chapter of American College of Sports Medicine Regional Meeting, Tyler, TX, March 2009.

Oliver, J.M., Martin, S.E., Glowacki, S.P., Womack, W, Green, J.S., & Crouse, S.F. (2009) Short-term changes in LDL density and lipoprotein particle number in trained men after 3 different modes of exercise. (Abstract) Texas Chapter of American College of Sports Medicine Regional Meeting, Tyler, TX, March 2009.

Lambert, B.S., Martin, S.E., Green, J.S., & Crouse, S.F. (2008) Prediction of DEXA % fat by triceps and suprailiac skinfold measurements in young women. Presented at Texas Chapter of the American of College Sports Medicine Regional Conference, 2008. Odessa, TX

Research Abstracts Presented by undergraduate students at Local Conferences

Sealy, K.R.(My Student), White, S., Erwin, J.P., Meade, T.H., Martin, S.E., Green, J.S., Oliver, J.M., Joubert, D.P., Lambert, B.S., Bramhall, J.P., Gill MD, K., Weir, D., & Crouse, S.F. (2016) Does ECG Predict Cardiac Hypertrophy in American-Style Football Athletes? Presented at Student Research Week:Texas A&M University, 2016.

Schmidt, M.S. (My Student), Martin, S.E., Lambert, B.S., Carradine, A.T., Green, J.S., FACSM, and Crouse, S.F., FACSM. (2013) Association of Cardiovascular Fitness and Metabolic Syndrome in Male Police Officers. Presented at Student Research Week:Texas A&M University, 2013.

Sanchez, A.C. (My Student), Martin, S.E., Lambert, B.S., Carradine, A.T., Green, J.S., FACSM, and Crouse, S.F., FACSM. (2013) Association of Cardiovascular Fitness and Syndrome X in Male Fire Fighters. Presented at Student Research Week:Texas A&M University, 2013.

S. Springer, S.E. Martin, B.S. Lambert, N.P. Greene, J.S. Green FACSM, and S.F. Crouse, FACSM. Association of Aerobic Fitness and Metabolic Syndrome in Male Firefighters. Presented at Student Research Week:Texas A&M University, 2012.

K. Harrell, S.E. Martin, N.P. Greene, B.S. Lambert, J.S. Green, FACSM, and S.F. Crouse, FACSM. The Relationship of Metabolic Syndrome and Aerobic Exercise in Adult Male Fire Fighters. Presented at Student Research Week:Texas A&M University, 2012.

1st Place Undergraduate Division Taxonomy – Health, Nutrition, Kinesiology. Karlie was my student and I worked with her to put this presentation together.

Salmeron, U., (My Student) Martin, S.E., Glowacki, S.P., Womack, W, Green, J.S., & Crouse, S.F. Short-term changes in LDL density and lipoprotein particle number in trained men after 3 different modes of exercise. Presented at Student Research Week:Texas A&M University, 2009.

Durcan, C., Martin, S.E., Lambert, B.S., Greene, N.P., Markos, J.M., Carbuhn, A.F., Green, J.S., & Crouse, S.F. (2009) Association of Aerobic Fitness and Metabolic Syndrome in Male Firefighters. Presented at Student Research Week:Texas A&M University, 2009.

2nd Place Undergraduate Division Taxonomy – Anatomy /Physiology/Kinesiology. Christina was my student and I worked with her to put these presentations together.

Research Abstracts Presented by graduate students at Local Conferences

- Stanelle, S.T., Lytle, J.R., Martin, S.E., Green, J.S. (FACSM), Crouse, S.F. (FACSM) (2019) Effects of an Acute Strength and Conditioning Training Session of Dual Energy X-ray Absorptiometry Results. Presented at Student Research Week: Texas A&M University, 2019.
- Wilson, K.L., Lytle, J.R., Stanelle, S.T., Martin, S.E., Crouse, S.F. (FACSM) (2019) Blood Pressure, Body Composition, and Plasma Lipids Are Not Related to Indices of Vascular Health. Presented at Student Research Week: Texas A&M University, 2019.
- Lytle, J.R., Martin, S.E., Green, J.S., Crouse, S.F. (FACSM). (2018) Effects of an Acute Strength and Conditioning Bout on Dual Energy X-ray Absorptiometry Results. Presented at Student Research Week: Texas A&M University, 2018.
- Kravits, D.M., Lambert, B.S., Lytle, J.R., Martin, S.E., Green, J.S., Crouse, S.F. (FACSM). (2018) Predicting Energy Expenditure of an Acute Bout of Resistance Exercise in Men and Women. Presented at Student Research Week: Texas A&M University, 2018.
- Johnson, K.A.(My Student), Donnell, A.L., Mohnke, D.K., Martin, S.E., Green, J.S. (FACSM), Crouse, S.F. (FACSM) (2017) DXA Body Composition is Weakly Related to Blood Lipids, Blood Pressure, and Glucose in Firefighters. Presented at Student Research Week: Texas A&M University, 2017.
- Johnson, K.A.(My Student), McLaughlin, K.L., Martin, S.E., Green, J.S., & Crouse, S.F. (2016) Predicting VO₂max in Collegiate American-Style Football Athletes. Presented at Student Research Week: Texas A&M University, 2016.
- McLaughlin, K., Garcia, L., Noack, B., Granados, J., Joubert, D., Green, J., Martin, S. E., & Crouse, S. F. (2015) The Relationships between Fitness Assessments, Fitness Levels and Coronary Heart Disease Risk Markers in Police Officers. Presented at Student Research Week: Texas A&M University, 2015.
- Joubert, D., Crouse, S.F., Oliver, J.M., Martin, S.E., Dobson, J., Riechman, S.E., Bramhall, J.P., Green, J.S., Weir, D., & Tanguay, J. Lipid Profiles of American Collegiate Football Athletes in Response to Fall Preseason Camp. Presented at Student Research Week: Texas A&M University, 2011.
- Lambert, B.S., Martin, S.E., Green, J.S., Carbuhn, A.F. & Crouse, S.F. (2009) Prediction of the total energy cost of an acute bout of resistance exercise in young men and women. Presented at Student Research Week: Texas A&M University, 2009.
- Lambert, B.S., Martin, S.E., Green, J.S., & Crouse, S.F. (2008) Prediction of DEXA % fat by triceps and suprailiac skinfold measurements in young women. Presented at Student Research Week: Texas A&M University, March 27, 2008.
- Greene, N.P., Greene, E.S., Carbuhn, A.F., Martin, S.E., Green, J.S., & Crouse, S.F. (2008) Blood Lipids are not altered following acute treadmill exercise in sedentary, obese adults. Presented at Student Research Week: Texas A&M University, March 27, 2008.

Other Presentations

Martin, S.E. Invited Presentation. Texas State University – Translational Health Research Center – Center of Excellence for Community Health and Economic Resilience Research. Webinar: Improving Firefighter Health and Performance March 8, 2023.

Martin, S.E. Invited Presentation. Fit For Life: How Physical Activity Can Keep Your Heart Healthy. City of Bryan Wellness Lecture. Bryan, Texas, February 2020.

Martin, S.E. Invited Presentation. How an Internship can Enhance Your Career! Presented at the 2014 ACSM Student Colloquium, Orlando FL, May 2014.

Martin, S.E. Invited Presentation. On- site Health & Wellness Lectures: Nutrition: Eating Right ! Brazos Valley Center for Independent Living, March 2013.

Martin, S.E. Invited Presentation. On- site Health & Wellness Lectures: Health & Fitness. Brazos Valley Center for Independent Living, January 2013.

Martin, S.E. Invited Presentation. On- site Health & Wellness Lectures: Nutrition Basics. Texas A&M University TEEEX, February 2012.

Martin, S.E. Invited Presentation. How Physical Activity Can Keep Your Heart Healthy. Department of Nutrition and Food Science, Expanded Food and Nutrition Education Program. Bryan, Texas, June 8, 2011.

Martin, S.E. Invited Presentation. City of College Station Fit Camp: Nutrition Basics, August 2010.

Martin, S.E. Invited Presentation. City of College Station Fit Camp: An Introduction To Fitness, August 2010.

Martin, S.E. Invited Presentation. Fit For Life: How Physical Activity Can Keep Your Heart Healthy. San Antonio A&M Club. San Antonio, Texas, February 2010.

Carbuhn, A., (Our Lab Graduate Student) & Martin, S.E. Invited Presentation. On- site Health & Wellness Lectures: Nutrition Basics. College Station Police Department: March 2009.

Martin, S.E. Invited Presentation. Defining and Refining Your Health Risks. Evening Lions Club, Bryan, TX February, 2008.

Martin, S.E. Invited Presentation. Cardiovascular Risk Factors; Individual Risk Assessment. College Station Fire Department, College Station, TX, 2008 – Present.

Martin, S.E. Invited Presentation. Cardiovascular Risk Factors; Individual Risk Assessment. Bryan Fire Department, College Station, TX, September, 2008 – Present.

Rees, D. (My Student) & Martin, S.E. Invited Presentation. An Introduction to Fitness. College Station United Way, April 16, 2008.

Fair, C., Muscatell, M., Ahmed, A., (My Students) and Martin, S.E. Invited Presentation. Defining and Refining Your Health Risks. College Station United Way, April 2, 2008.

McGowen, M., (My student) & Martin, S.E. Invited Presentation. Healthy Shopping & Nutrition Basics. College Station United Way, March 19, 2008.

Carbuhn, A., (Our Lab Graduate Student) & Martin, S.E. Invited Presentation. On- site Health & Wellness Lectures: Nutrition Basics. Bryan Fire Department: 3 times - August 19,20,21 2008.

Carbuhn, A., (Our Lab Graduate Student) & Martin, S.E. Invited Presentation. On- site Health & Wellness Lectures: Nutrition Basics. Bryan Police Department: August 22, 2008.

Martin, S.E. Invited Presentation. "What in the World is an Exercise Physiologist" Lecture given at first meeting of each year for AEP Club. Fall 2008 – Present.

Health & Wellness Fairs

Brazos County Heart Walk, November 2011. I served as the campus sponsor for this organization.

The Mayor's Council on Physical Fitness. Active in Aggieland: A Healthy Tradition, 2009. Our organization was involved with providing information to the citizens of College Station on healthy lifestyle options and provided free blood pressure assessments.

Texas A&M RGS Activities Fair at General Services Complex: Measured Blood Pressure and Body Fat (%) and discussed results with Texas A&M employees. April 28th 2010.

Walk Across Texas, 2010 - Present. Our organization was involved with providing information to the participants of "Walk Across Texas" on healthy lifestyle options and provided free blood pressure assessments.

Aggieland Kid's Triathlon & Family Health and Fitness Fair, 2010 – 2015.

Texas A&M University A.P Beutal Health Center Health Fair. 2009 – Present.

Brazos County Health and Safety Expo. 2007 – Present.

2nd Annual Marethouse 12-Week Fitness Challenge. Provided all baseline fitness testing for participants, February 2010.

Other Service

City of Bryan's Police Department Training Advisory Board Member, 2023 – Present.

Exercise Physiology Consultant for Texas A&M University Athletics, 2014 – Present.

Christian Faculty Network at Texas A&M University, 2010 - Present.

ATMentors, 2008 – Present.

Student Research Week Judge, Oral/Poster Presentations: 2008, 2012, 2013,2015,2016.

Scott & White / FITLIFE Weight Management Program, 2012 - Present.

HONORS & AWARDS

Teacher of the year in the Texas A&M Division of Kinesiology (2012)

CONSULTING ACTIVITIES

MED-TOX Health Services, 3350 Shelby Street, Suite 200 Ontario, CA; May 13-June 17, 2011
Title: Fitness Tests for NBA Referees

Martek Biosciences Corporation; 6/1/2010 – 8/31/10. Algal DHA Supplementation Effects on Markers of Inflammation, Muscle Power and Lipid CHD Risk in Collegiate Football Athletes During Sport Training.