



Scarneo, S.E., Hosokawa, Y., Belval, L.N., \_\_\_\_\_, Hostler, D. (2018). Occupational Settings: Considerations for the Laborer. In: D.J. Casa, (ed.), \_\_\_\_\_ . New York : Springer International Publishing. 277-290.

\_\_\_\_\_, Cardiopulmonary and Endocrine Responses and Adaptations. (2017). In: B.A. Alvar, K. Sell, P.A. Deuster (eds.), \_\_\_\_\_ . Champaign: Human Kinetics. 9-24.

\_\_\_\_\_, P.F. Fehling, and J.O. Segrave. (2008). Exercise, Work and Stress in Adolescent and Adult Women. In: N. Taylor



Horn, G.P., Kesler, R.M., Kerber, S., Fent, K.W., Schroeder, T.J., Scott, W.S., Fehling, P.C., Fernhall, B., (2018). Thermal response to firefighting activities in residential structure fires: impact of job assignment and suppression tactic. . 61(3):404-419.

Banerjee, R.K., Kalathil, R.T., Zachariah, S.A., Paul, A.K., Amit Bhattacharya, A., Horn, G.P.,







, Manning, T.S., Petruzzello, S.J. (2001). Effect of strenuous live-fire drills on cardiovascular and psychological responses of recruit firefighters. 44(3):244-254.

Fehling, P.C., Arciero, P.J., MacPherson, C.J., (1999). Reproducibility of peripheral blood flow using strain gauge plethysmography. 20:1-5.

Fehling, P.C., , Warner, S.E., Dals y, G.P. (1999). Comparison of accelerometers and oxygen consumption in older adults during walking and stepping exercise. 31(1):171-174.

and Petruzzello, S.J. (1998). Selected physiological and psychological responses to live-fire drills in different configurations of firefighting gear. . 41(8):1141-1154.

Arciero, P.J., , Calles-Escandon, J. (1998). Effects of 7-10 days of inactivity on glucose tolerance, blood flow, and energy expenditure in trained subjects.



Kales, S.N., Bauer, D.M., Hostler, D.,  
firefighters. (Reader comments).

(2013). Cardiac rehabilitation in firefighters in  
. 26(4):429-431.

Batalin, M., Yuen, E., Dolezal, B.,

Cooper, C., Mapar, J. PHASER: Physiological Health

National Institute of Occupational Safety and Health (NIOSH). Centers for Disease Control and Prevention. Department of Health and Human Services. F2017-12 Fire Fighter Fatality Investigation and Prevention Program. "Fire Fighter Suffers Cardiac Arrest While Driving Home From Fire Station After Responding to Motor Vehicle Accident – Illinois". and W. Dic .

National Institute of Occupational Safety and Health (NIOSH). Centers for Disease Control and Prevention. Department of Health and Human Services. F2017-04 Fire Fighter Fatality Investigation and Prevention Program. "Fire Fighter Suffers Cardiac Arrest at Brush Fire – New Hampshire". and W. Dic .

National Institute of Occupational Safety and Health (NIOSH). Centers for Disease Control and Prevention. Department of Health and Human Services. F2017-03 Fire Fighter Fatality Investigation and Prevention Program. "Fire Fighter Dies of Heart Attac After S ills Training Drill the Previous Night – NH". and W. Dic .

National Institute of Occupational Safety and Health (NIOSH). Centers for Disease Control and Prevention. Department of Health and Human Services. F2017-02 Fire Fighter Fatality Investigation and Prevention Program. "Fire Fighter Suffers a Heart Attac at Brush Fire and Dies 8 Days Later – VT". and W. Dic .

National Institute of Occupational Safety and Health (NIOSH). Centers for Disease Control and Prevention. Department of Health and Human Services. F2016-08 Fire Fighter Fatality Investigation and Prevention Program. "Firefighter Suffers Heart Attac After Participating in a Parade – IL". and T. Hales.

National Institute of Occupational Safety and Health (NIOSH). C

enters

National Institute of Occupational Safety and Health (NIOSH). Centers for Disease Control and

National Institute of Occupational Safety and Health (NIOSH). Centers for Disease Control and Prevention. Department of Health and Human Services. F2010-22 Fire Fighter Fatality Investigation and Prevention Program. "Captain Suffers Cardiac Death While Attending Training Drills – New York". and T. Hales.

National Institute of Occupational Safety and Health (NIOSH). Centers for Disease Control and Prevention. Department of Health and Human Services. F2010-23 Fire Fighter Fatality Investigation and Prevention Program. "Lieutenant Suffers Sudden Cardiac Death at Home following 24-hr Shift - Illinois". and T. Hales.

National Institute of Occupational Safety and Health (NIOSH). Centers for Disease Control and Prevention. Department of Health and Human Services. F2010-03 Fire Fighter Fatality Investigation and Prevention Program. "Corporal Suffers Sudden Cardiac Death at Structure Fire - Oklahoma". and T. Hales.

National Institute of Occupational Safety and Health (NIOSH). Centers for Disease Control and Prevention. Department of Health and Human Services. F2007-33 Fire Fighter Fatality Investigation and Prevention Program. Report Date: December 2009. "After conducting fire suppression duties at a structure fire, a captain collapses in incident scene rehabilitation - Kansas".

National Institute of Occupational Safety and Health (NIOSH). Centers for Disease Control and Prevention. Department of Health and Human Services. F2004-32 Fire Fighter Fatality Investigation and Prevention Program. "Volunteer Fire Fighter Suffers Cardiac Arrest While Battling a Structure Fire". L. Anderson and

National Volunteer Fire Council Health and Fitness Guide for the Volunteer Fire Service. A joint project of NVFC and United States Fire Administration. Report Date: 2004 and 2009. served as consultant and author.

McLennan, P.L., Gordon, C.J., Thoicharoen, P., Armstrong, K.A., , Steele, J.R., Fogarty, A.L., Groeller, H., and Taylor, N.A.S. Report Date: 2002. Anatomical, Physiological and Functional Significance of Gender Differences. Defense Health Service, Department of Defense, Canberra ACT, Australia.

National Institute of Occupational Safety and Health (NIOSH). Centers for Disease Control and Prevention. Department of Health and Human Services. F2001-19 Fire Fighter Fatality Investigation and Prevention Program. "Fire Fighter Dies After Assisting an Injured Person-Ohio". T. Baldwin and

National Institute of Occupational Safety and Health (NIOSH). Centers for Disease Control and Prevention. Department of Health and Human Services. F2001-21 Fire Fighter Fatality Investigation and Prevention Program. "Fire Fighter Dies in Sleep during his Work Shift". T. Baldwin and

Horn, G., Fent, K., , Kerber, S. (2019) Cardiovascular and chemical exposure risk considerations during training. October supplement: A3-A14.

Haigh, C.A., Wil inson, A.F., , Haigh, L.H. (2019). The hazards of cleanup: The physiologic stress continues. , 171(12):39-44

Haigh, C.A., Wil inson, A.F. (2019). Reducing firefighter health risks before, during, and after incidents. , 171(2)



Barreto, K.A., Martin, D.S., Fonseca, R.X., Soares, E.M.K., Castro, M., Nogueira, R.M., Molina, G.E.,  
Porto, L.G.G. (2019). Handgrip Strength Levels in Male and Female Brazilian Military  
Firefighters. 49(5): S214.

Porto, L.G.G, Segedi, L.C., Martin, D.S., Soares, E.M.K., Molina, G.E., Janssen da Cruz, C., Nogueira,  
R.M.,

DeBlois, J.P., Fehling, P.C., Wharton, M.,  
on Carotid Wave Intensity.

(2014). Effect of Exercise-Induced Heat Stress  
. 46(5): S142.

Haller, J.M., Fehling, P.C.,

(2014). Effects of Heat Stress and Dehydration on Heart Rate



Fehling, P.C., Liebig, J.P., Ormsbee, L.T.,  
Firefighting Duties: A Field Study.

(2011). Cardiovascular Responses to  
43(5):S705.

Bell, S.J., Petruzzello, S.J., \_\_\_\_\_, Gilbert, J.A., Brauer, B.R., Schroeder, T., Glosser, K. (2006). Fitness-Related Changes Resulting from a 6-Week Fire Academy Course for Recruit Firefighters. *\_\_\_\_\_* 38(5):S493.

Bell, S., Petruzzello, S.J., Steven, J., \_\_\_\_\_ . (2005). Changes in Psychological Variables During One-Week of Intensive Firefighter Training. *\_\_\_\_\_* . 37(5):S405-S406.

Snoo , E , Petruzzello, S.J., \_\_\_\_\_ (2004). Perceptual and Physiological Heat Strain: Examination in Firefighters Performing Simulated Firefighting Activities in the Heat. *\_\_\_\_\_* 35(5):S219.

\_\_\_\_\_, Dyer, K., Petruzzello, S.J. (2003). Changes in Hematological Variables During One-Week Of Intensive Firefighting Training. *\_\_\_\_\_* , 35(5):S210.

\_\_\_\_\_. (2002). Acute Effects of Fire Fighting Activity on Coagulation. *\_\_\_\_\_* (5):S194.

\_\_\_\_\_. (2002). Body Temperature Comparison at Various Sites Following Firefighting Activities. *\_\_\_\_\_* .

\_\_\_\_\_, Petruzzello, S.J., Chludzinski, M.A., Reed, J.J., Woods, J.A. (2001). Effects of strenuous live-fire fire fighting drills on hematological, blood chemistry, and psychological measures. *\_\_\_\_\_*

*\_\_\_\_\_* 32(2):148P.

\_\_\_\_\_, Brillhart, E., Ortiz, P., Garcia, M., Gabey, D. Arciero, P.J. (2000). Acute effects of oral glucosamine-chondroitin on oral glucose tolerance test results in humans. *\_\_\_\_\_* August, 43, S:14.

\_\_\_\_\_, Kocher, B.E. Kolesnidoff, A.L., and Rowland, T.W. (2000). Cardiovascular Responses to Isometric Contractions. *\_\_\_\_\_* 32(5):S95.

\_\_\_\_\_, Hunt, K.E., Fehling, P.C. 1999). The effects of mild hyperbaria on submaximal exercise performance. *\_\_\_\_\_* 31(5):S191.

Arciero, P.J., Calles-Escandon, J. (1997). Effects of 7-10 days of inactivity on glucose tolerance, blood flow, and energy expenditure in trained subjects. 29(5):S280.

, Dean, E.C., Fehling, P.C. (1996). A comparison of Caltrac Accelerometer in estimates of energy expenditure with indirect calorimetry during different intensities and modes of exercise. 28(5):S313.

, Petruzzello, S.J., Manning, T. (1995). Cardiac responses to firefighting activities. 27(5):S166.

Fehling, P.C., Warner, S., Dals y, G.P. (1995). Validation of the caltrac and tritrac accelerometers in older adults during walking and stepping exercise. 27(5):S50.

Petruzzello, S.J., Kramer, J.M., Bone, B., Misner, J.E. (1994). Psychological responses of firefighters to a training drill in different thermal environments. (5):S88.

, Petruzzello, S., Kramer, J., Misner, J.E. (1993). Physiological and psychological responses of firefighters to training drills in a thermal environment. Abstracts, 205.

, Petruzzello, S.J., Kramer, J.M., Warner, S.E., Bone, B., Misner, J.M. (1993). Effects of firefighting clothing on physiological responses to exercise. 25(5):S120.

Kramer, J.M., Petruzzello, S.J., Warner, S.E., Bone, B., Misner, J.M. (1993). Psychological responses to physical activity in different configurations of firefighting gear. 25(5):S121.

, Fernandez, D.J., McArdle, C., Burns, S., Healy, S. (1993). Caloric balance and nutritional assessment of college dancers at a liberal arts institution. 64:A45.

, Misner, J.E., Patric , T., Meirelles, E., Schmale, J. (1992). Changes in left ventricular volumes during two m

, Bender-

“Cardiovascular Effects of Heat Stress”. Technical Support Working Group (TWSG) Personal Protective Equipment Conference. Fort Lauderdale, FL, November 17-19<sup>th</sup>, 2009.

“Physiological Monitoring of Firefighters”. Precision Indoor Personnel Location and Tracking for Emergency Responders Technology Workshop. Worcester Polytechnic Institute,

Horn, G. and [redacted] "Critical Lessons from the IFSI Cardiovascular & Chemical Exposure Risk Studies". International Association of Fire Fighters, Occupational Health, Safety, and Medicine Conference. Charlotte, NC, July 25, 2017.

[redacted] "Combatting Cardiovascular Disease in the Fire Service: Translating Research to Fire Ground Safety". Oregon Fire Chiefs Association. Spring Conference. Redmond, OR, May 12, 2017.

[redacted] "The Heart of a Firefighter". Featured speaker, Fire Department Instructors Conference. Indianapolis, IN, April 27, 2017.

[redacted] "Heart Attack in the Fire Service". NY Fire Coordinators, 2017 Spring Fire Coordinators Conference. Montour Falls, NY, April, 6, 2017.

Stewart, D.F., Kales, S., [redacted], "Cardiovascular Disease in the Fire Service". International Association of Fire Fighters. Affiliate Leadership Training Summit. Anaheim, CA, January 26, 2017.

[redacted] "Health & Safety in the Fire Service". Northern Virginia Fire Chiefs Working Group Leadership Development Institute. Front Royal, VA, October 15, 2016.

[redacted] "Understanding and Preventing Sudden Cardiac Events in the Fire Service". Assistance to Firefighters Grant Meeting. San Antonio, TX, August 18, 2016.

[redacted], and Batalin, M. "Physiological Monitoring of Firefighters". NFFF Fire Service Technology Summit. Oakland, CA, July 24-26, 2016.

[redacted], Kales, S., and Horn, G. "Cardiovascular Disease in the Fire Service". A. Michael Mullane Health and Safety Symposium. Boston, MA, May 19-20, 2016.

[redacted], and Haigh, C. "Firefighter Incident Rehabilitation: Reducing Risk and Enhancing Performance". Fire Department Instructors Conference. Indianapolis, IN, April 20, 2016.

[redacted], Fent, K., Kerber, S., and Horn, G. "Cardiovascular and Chemical Exposure Risks on the Modern Fireground". Fire Department Instructors Conference. Indianapolis, IN, April 19, 2016.

and Moore-Mer

, Horn, G., Haigh, C. "Use of Technology to Improve FF Training". Fire Department Instructors Conference. Indianapolis, IN, April 23-25, 2013.



, Horn, G., Haigh, C. "Fireground Fatalities and Injuries: The Role of Heat Stress and PPE". International Association of Fire Chiefs Fire Rescue International. Denver, CO, August 15, 2008.

and Haigh, C. "MABAS Rehab". Geveva Fire & Air Angels Rehab. Geneva, IL, June 10, 2008.

"Heat Stress: Physiological Enemy on the Fireground". Fire Department Instructor's Conference. Indianapolis, IN, April 9, 2008.

and Haigh, C. "MABAS Rehab". MABAS XII Rehab Training. Hanover Par , IL, December 3-4, 2007.

and Haigh, C. "The Importance of Effective On-

“Physiological Responses to Fire Fighting”. National Fire Academy, Training Resources and Data Exchange, Region V, Annual meeting. Champaign, Illinois, September 12, 2000.

“Heat Stress and Heart Attacks”. Health and Safety Lecture. Illinois Fire Service Institute, Certified Fire Fighter II Academy. Champaign, Illinois, September 11, 2000.

“Heat Stress and Firefighting”. Fire Department Instructor’s Conference. Indianapolis, Indiana, March 1998.

and Bone, B. “Lessening Heat Stress and Cardiovascular Strain during Firefighting”. Paxton Fire Department. Paxton, Illinois, July 30, 1997.

“Physiological Responses of Firefighters to Strenuous Live-Fire Drills”. Firefighter Certification Academy course, University of Illinois Fire Service Institute. Champaign, Illinois, July 29, 1997.

“Physiological and Psychological Responses of Firefighters”. Saving Our Own course, University of Illinois Fire Service Institute. Champaign, Illinois, July 18, 1997.

“Heat Stress and Firefighters”. Emergency Medical System Training for Champaign Firefighters. Champaign, Illinois, July 14-16, 1997.

“Assessing Heat Strain During Firefighting Activity”. Technical Meeting on Heat Stress sponsored by the U.S. Department of Energy. Los Alamos, New Mexico, June 25 1996.

“The Impact of Gear Configuration on Heat Stress”. New York State Professional Fire Fighters Association Annual Health and Safety Conference. Montour Falls, New York, October 12, 1995.

“Monitoring physiological heat stress induced by working in heavy protective clothing”. Experimental Biology Conference. Atlanta, Georgia, April 1995.

“Physiological Responses of Women Firefighters to Training Drills”. National Women in the Fire Service Conference. Rockford, Illinois, May 12, 1993.

Heart to Heart: Strategizing an evidence-based approach to reduce CVD in the FS. Washington D.C., December 3-4, 2015. National Fallen Firefighters Foundation. Served as PI on grant and keynote at conference.

National Fire Service Research Agenda Symposium. National Fallen Firefighters Foundation. Arlington, VA, November 15-18, 2015.

Future Directions in CVD Research NFFF/NHLBI. Washington D.C., September 1-2, 2015.

Smart Fire Fighting, Where Big Data and Fire Service Unite. National Institute of Standards and Technology and National Fire Protection Association/Fire Protection Research Foundation. Arlington, VA, March 24-25, 2014.

Safety, Health and Survival Section of the International Association of Fire Chiefs, Summit on Physicals for Firefighters. International Association of Fire Chiefs. Tampa, FL, March 13, 2014.

Tampa 2, 10<sup>th</sup> Anniversary of the Firefighter Life Safety Initiatives: Building for the Future. National Fallen Firefighters Foundation. Tampa, FL, March 10-12, 2014.

Vulnerability Assessment Project: Phase I Concludes. National Fallen Firefighters Foundation. Linthicum, MD, July 26, 2011.

2<sup>nd</sup> National Fire Service Research Agenda Symposium. National Fallen Firefighters Foundation. Emmitsburg, MD, May 20-22, 2011.

National Fire Service Research Agenda Symposium. National Fallen Firefighters Foundation. Emmitsburg, MD, June 1-3, 2005.

Firefighters Cardiovascular Health and Physical Fitness Assessment: A Call for Action. Presented at the 2<sup>nd</sup> International Symposium on Health and Physical Fitness among Public Safety Workers, Brazil, March 22<sup>th</sup>, 2019.

The Role of Dehydration on Firefighters' Cardiovascular Risk Profile. Presented at the 2<sup>nd</sup> International Symposium on Health and Physical Fitness among Public Safety Workers, Brazil, March 20<sup>th</sup>, 2019.

Cardiovascular Strain and Firefighting Activity. Presented at the 1<sup>st</sup> International Symposium on Health and Physical Fitness among Public Safety Workers, Brazil, March 9, 2017.

Heat Stress and Cardiovascular Function. Presented at the 1<sup>st</sup> International Symposium on Health and Physical Fitness among Public Safety Workers, Brazil, March 8, 2017.

, DeBlois, J.P., Wharton, M., Fehling, P.C. Effects of Heat Stress and Dehydration on Cardiac Performance Following Exercise. Presented at the Physiology and Pharmacology of Temperature Regulation Symposium, S u uza, Kruger National Park, South Africa, September 7-12, 2014.

Arena, L., DeBlois, J., Haller, J., Hultquist, E., Lefferts, W., Russell, T., Wu, A., Fehling, P. Effect of Base Layers on Physiological and Perceptual Responses to Exercise in Personal Protective Equipment. Presented at the 14<sup>th</sup> International Congress on Environmental Ergonomics, Nafplio, Greece, July 10-15, 2011.



Measurement of aortic peak velocity, mean velocity and time velocity integrals during sustained maximal handgrip exercise. Presented at the annual meeting of the International Congress on Sports Medicine and Human Performance, Vancouver, B.C., Canada, April, 1991.

Barreto, K.A., Martin, D.S., Fonseca, R.X., Soares, E.M.K., Castro, M., Nogueira, R.M., Molina, G.E., Porto, L.G.G. Handgrip Strength Levels in Male and Female Brazilian Military Firefighters. Presented at the American College of Sports Medicine's 64<sup>th</sup> Annual Meeting, Orlando, FL, May 29-Jun 2, 2019.

Porto, L.G.G., Segedi, L.C., Martin, D.S., Soares, E.M.K., Molina, G.E., Janssen da Cruz, C., Nogueira, R.M., Kales, S.N. Firefighters' Quality of Life is Positively Associated with Cardiorespiratory Fitness Both on Men and Women. Presented at the American College of Sports Medicine's 64<sup>th</sup> Annual Meeting, Orlando, FL, May 29-Jun 2, 2019.

Nogueira, R.M., Soares, E.M.K., Nogueira, E.C., Gomes, J., Molina, G.E., Fontana, K.E., Korre, M., Kales, S.N., Junqueira Jr., L.F., Porto, L.G.G. Exploring Factors Related to Blood Pressure Increase After A 12-hour Shift-work in Firefighters. Presented at the American College of Sports Medicine's 64<sup>th</sup> Annual Meeting, Orlando, FL, May 29-Jun 2, 2019.

Wilson, A.F., Matias, A.A., Eddy, C.I.K., King, J.L., Soares, E.M.K., Physiologic Strain of SCBA (Maze) Training Compared to Circuit Training and Live Fire Training Presented at the American College of Sports Medicine's 64<sup>th</sup> Annual Meeting, Orlando, FL, May 29-Jun 2, 2019.

Chair, Thematic Poster – Firefighting. American College of Sports Medicine's 63<sup>rd</sup> Annual Meeting, Minneapolis, MN, May 29-June 2, 2018.

Segedi, L.C., Saint Martin, D, Von Koenig Soares, E.M.K., Nogueira, R.M., Fontana, K.E., Korre, M., Molina, G.E., Kales, S.N., Porto, L.G.G. Physical activity intensity of Brazilian military firefighters during a 24-hour on-duty period. Presented at the American College of Sports Medicine's 63<sup>rd</sup>



Mattila, T.A., Petruzzello, S.J., Horn, G., "Cognitive Behavior on a Continuous Performance Task Following Short-Term Firefighting Activity." Presented at the American College of Sports Medicine's 58<sup>th</sup> Annual Meeting, Denver, CO, May 31-June 4, 2011.

Petruzzello, S.J. and                      Perceptual and Physiological Heat Strain: Examination in Firefighters Performing Simulated Firefighting Activities in the Heat. Presented at the annual conference of the American College of Sports Medicine, Denver, CO, June, 2006.

Gilbert, J.A., Petruzzello, S.J., Horn, G.,                      Bell, S., Brauer, B., Glosser, K., Schroeder, T. Perceptions of Fitness in Career and Volunteer Firefighters. Presented at the annual conference of the American College of Sports Medicine, Denver, CO, June, 2006.

Bell, S.J., Petruzzello, S.J.,                      Gilbert, J.A., Brauer, B.R., Schroeder, T., and Glosser, K. Fitness-Related Changes Resulting from a 6-Week Fire Academy Course for Recruit Firefighters. Presented at the annual conference of the American College of Sports Medicine, Denver, CO, June, 2006.

                    Fitness-Related Changes Resulting from a 6-Week Physical Training Program Fire Academy Course. Presented at the annual conference of the American College of Sports Medicine, Nashville, TN, May, 2005.

                    Snook, E., Petruzzello, S.J. Perceptual and Physiological Heat Strain: Examination in Firefighters Performing Simulated Firefighting Activities in the Heat. Presented at the annual conference of the American College of Sports Medicine, Indianapolis, IN, June 2-5, 2004.

                    Dyer, K., Petruzzello, S.J. Changes in Hematological Variables during One-Week of Intensive Firefighting Training. Presented at the annual conference of the American College of Sports Medicine, San Francisco, CA, May, 2003.

                    Acute Effects of Fire Fighting Activity on Coagulation. Presented at the annual conference of the American College of Sports Medicine, St. Louis, MO, May, 2002.

Body Temperature                      at                      gn1mEEsãE'FtoSoatCo                      at                      o                      atio                      a,6pO"0E                      gdgag,6d,,N



and Petruzzello, S.J. Selected Physiological and Psychological Responses of Firefighters to Live-Fire Drills in Different Configurations of Firefighting Gear. Presented at the American College Sports Medicine conference, Orlando, FL, June, 1998.

Arciero, P.J., Astacio, T., Fehling, P.C., Energy Expenditure, Leisure Time Activity, and Fat Distribution in Women of Three Ethnic Groups. Presented at the American College Sports Medicine conference, Orlando, FL, June, 1998.

Fehling, P.C, Astacio, T., Arciero, P.J., Differences in Regional Fat Distribution in Women of Three Ethnic Groups. Presented at the American College Sports Medicine conference, Orlando, FL, June, 1998.

Kleine, S., Fehling, P.C. Validity of a Shallow-Water Sprint Test to Predict Anaerobic Performance. Presented at the annual conference of the American Alliance for Health, Physical Education, Recreation and Dance, Reno, NV, April, 1998.

Petruzzello, S.J., Woods, J.A., Chludzinski, M.A., Reed J.J. Hematological Responses to Strenuous Live-Fire Firefighting Activities. Presented at the American College of Sports Medicine annual meeting, Denver, CO, June, 1997.

Arciero, P.J., Calles-Escandon, J. Effects of 7-10 days of Inactivity on Glucose Tolerance, Blood Flow, and Energy Expenditure in Trained Subjects. Presented at the American College of Sports Medicine annual meeting, Denver, CO, June, 1997.

The Physiological Profile of Adolescent Dancers. Presented at the National Women's

Kramer, J.M., Petruzzello, S.J., Warner, S.E., Bone, B., Misner, J.M. Psychological responses to physical activity in different configurations of firefighting gear. Presented at the American College of Sports Medicine Meeting, Seattle, WA, June, 1993.

Misner, J.E., Patric , T., Meirelles, E., Schmale, J. Changes in left ventricular volumes during two minutes sustained maximal isometric exercise and post-exercise occlusion. Presented at the annual meeting of the American Physiological Society, Colorado Springs, CO, September, 1992.

Echocardiographic measurements of Doppler velocities and stroke volume during maximal handgrip exercise. Presented at the annual meeting of the American Heart Association, Chicago, IL, July, 1992.

Patric , T., Meirelles, E., Misner, J.E. Cardiovascular responses to sustained maximal isometric contraction and post-exercise occlusion. Presented at the annual meeting of The Federation of American Societies for Experimental Biology, Anaheim, CA, April, 1992.

Misner, J.E., Essandoh, L.K. Doppler echocardiographic measurements of flow velocity in the ascending aorta during sustained maximal isometric contractions. Presented at the American College of Sports Medicine Annual Meeting, Orlando, FL, May, 1991.

Misner, J.E., Massey, Bloomfield, D.K., Essandoh, L.K. Cardiovascular responses to two minutes of sustained maximal isometric contractions of the finger flexors. Presented at the annual meeting of the American Physiological Society, Orlando, FL, October, 1990.

Bender-Schmale, J., O'Conner, R., Misner, J.E., Essandoh, L.K. Effect of two minute maximal handgrip exercise on the ascending aortic diameter. Presented at the American College of Sports Medicine Annual Meeting, Salt Lake City, UT, 1990.

Bender-Schmale, J., Misner, J.E., Essandoh, L.K. Day-to-day consistency of left ventricular outflow as measured by Doppler echocardiography during two minutes of sustained maximal isometric contraction. Presented at the annual meeting of the Federation of American Societies of Experimental Biology, Washington, DC, April, 1990.

and Gewe, S.C. A proposed diet for wheelchair athletes recovering from integumentary trauma. Presented at the Nutrition and Behavior Conference, Champaign, IL, September, 1988.

Lohman, T.G., Bende14.nt0oatnggt o,YppY1dNa6pYY1dK"gdg,gggdp,aNoate14.nao[atnoaw, ne14.naaEm on

Underwriters Laboratories Video: Cardiovascular and Carcinogenic Risks of Modern Firefighting AFG-funded Study. June 2015. <https://www.facebook.com/ULfirefightersafety/videos/399171603606327/>

First Responder Health and Safety Laboratory Video: Effect of Heat Stress and Dehydration on Cardiovascular Function AFG-funded Study. March 9, 2015.

International Association of Fire Chiefs, Webinar Panelist, "Saving Your Life Through Scientific Research", January 13, 2015.

Fire Engineering Talk Radio, Episode 738: Firemedically Speaking, "Sudden Cardiac Events in Firefighters". March 14, 2014.

Fire Engineering Webcast, "Understanding the Physical Effects of Firefighting". February 20, 2014.

Christian Science Monitor, "Why firefighter deaths have hit historic lows", June 17, 2013.

Discovery Channel. "Firefighting Burn". Daily Planet. January 25<sup>th</sup>, 2006.

Advanced Rescue Technology. "Firefighter Health Expert Says You Can Do It". Interviewed by Kathryn Robynatbo atyotat oJd,tho atho"uo atdo atyo/ atyoNuidhyd, J011.

Technology for Emergency Responders)". \$1,500,000 (Denise Smith, Principal Investigator). Applied: May 2016. Awarded: September, 2016.

Department of Homeland Security. United States Fire Administration – Assistance to Firefighters Grant Program: Fire Prevention and Safety Grant. "Cardiovascular and Carcinogenic Risks in Training Structures". \$1,500,000 (Denise Smith, Principal Investigator with Gavin Horn). Applied: March 2016. Awarded: September, 2016.

Department of Homeland Security. United States Fire Administration – Assistance to Firefighters Grant Program: Fire Prevention and Safety Grant. "ALIVE Training: Cardiovascular Health of Firefighters", subcontract to New York University Polytechnic Institute. \$100,000 (Denise Smith, Principal Investigator at Salidmore College). Applied: March 2015. Awarded: October, 2015.

Department of Homeland Security. United States Fire Administration – Assistance to Firefighters Grant Program: Fire Prevention and Safety Grant. "Cardiovascular and Carcinogenic Risks Associated with Realistic Firefighting Environments". \$1,500,000 (Denise Smith, Principal Investigator with Gavin Horn). Applied: March 2014. Awarded: September, 2014.

Department of Homeland Security. United States Fire Administration – Assistance to Firefighters Grant Program: Research and Development Grant. "Understanding and Preventing SCD in the Fire Service". \$1,469,000 (Denise Smith, Principal Investigator). Applied: March 2014. Awarded: August, 2014.

Department of Homeland Security. United States Fire Administration – Assistance to Firefighters Grant Program: Research and Development Grant. "Non-invasive Identification of LVH/Cardiomegaly in Firefighters". \$999,900 (Denise Smith, co-investigator; Stefanos Kales, Harvard, PI). Awarded: Sept 2012.

Department of Homeland Security. Science and Technology Directorate. "Physiological Health Assessment Systems for Emergency Responders – Rapid Product Development Center", subcontract to UCLA. Funding Request: \$200,000 (Denise Smith, Principal Investigator at Salidmore College). Applied: December, 2011. Awarded: May, 2012.

Department of Homeland Security. United States Fire Administration – Assistance to Firefighters Grant Program: Research and Development Grant. "Effect of Dehydration and Heat Stress on Vascular and Hemostatic Function". \$999,997 (Denise Smith, Principal Investigator; Patricia Fehling, Co-PI). Applied: February, 2011. Awarded: June 17, 2011.

Department of Army. National Protection Center. "Wearable Advanced Sensor Platform for Emergency Responder Health and Safety". Funding Request: \$110,000 (Denise Smith, Principal Investigator). Applied: January, 2011. Awarded: June 23, 2011.

Department of Homeland Security. Science and Technology Directorate. "Physiological Health Assessment Systems for Emergency Responders", subcontract to UCLA. Funding Request: \$300,000 (Denise Smith, Principal Investigator at Salidmore College). Applied: October, 2009. Awarded: June 22, 2010.





Grant Reviewer. Federal Emergency Management Agency-Assistance to Firefighters Grant Program. 2008, 2009, 2010, 2012, 2013.

Grant Reviewer. American Heart Association Behavioral Clinical Health. 2013, 2014.

External Ad Hoc Expert Review Committee. American College of Sports Medicine Position Stand. Exertional Heat Illness During Training and Competition. Spring, 2006.

Hanover College, Department of Physical Education (2004)

Gettysburg College Department of Health and Exercise Sciences (2004)

McDaniel College, Department of Exercise Science and Physical Education (2005).

DePauw University, Department of Kinesiology (Spring, 2006).

Alison Fogarty – Effects of Protective Clothing on Cardiovascular and Thermal Responses to Heat Stress. University of Wollongong. MS (honors) thesis. Master of Science (honors)

Science Working Group. 2010–2011

Campus Campaign Committee. 2009–2010

Assessment Steering Committee. Subcommittee of CEPP. 2008–2011

Institution Policy and Planning Committee. 2004–