
J. Mark VanNess, Ph.D.

September 2024

Work Address

Department of Health and Exercise Sciences
University of the Pacific
3601 Pacific Avenue
Stockton, CA 95211-0197
209-946-2717
mvanness@pacific.edu

EDUCATION

Post-Doctoral Training: Depts. of Pharmacology and Physiology, Univ. Texas Health Science Center. August 1997-August 1999. Gender differences in sodium-dependent hypertension.
Ph.D. 1997 Florida State University. Dissertation Title: Role of the Paraventricular Hypothalamic Nuclei and Neuropeptide Y in the Antihypertensive Effect of Food Restriction in Aortic Coarctation Hypertension.
M.S. 1993 California State University Sacramento. Thesis Title: Lactate and Metabolic Responses to Controlled Frequency Breathing During Graded Tethered Swimming.
B.S. 1990 Wheaton College, Wheaton, IL. Major: Exercise Physiology Minors: Biology/Chemistry.

PROFESSIONAL EXPERIENCE

Department Chair, Health and Exercise Science; August, 2017-present
Graduate Program Director, Health and Exercise Science, August, 2017-December, 2019
Distinguished Professor October, 2018-present. College of the Pacific, University of the Pacific.
Professor August 2014-present: Dept of Health and Exercise Science, University of the Pacific.
Associate Professor September 2006-2014: Dept. of Health, Exercise and Sport Sciences.
Assistant Professor August, 1999-August 2005: Dept. of Sport Sciences, University of the Pacific, Stockton, CA.

Adjunct Instructorships

January, 2008-2016: College of Engineering, University of the Pacific, Stockton, CA
August, 2000-May, 2011: Division of Math and Science, San Joaquin Delta College, Stockton
January, 2002-May 2008: Dept. of Pharmacy, University of the Pacific, Stockton, CA.
January-May, 2001, August-December, 2017: Dept. of Physical Therapy, University of the Pacific.

Consultantships

December, 2022-Present: Workwell Health (WWHealth), Stockton, CA
August, 2000-Present: The Workwell Foundation, Inc. Ripon, CA.
December, 1999-January, 2004: Davis Consultants Inc., Davis, CA.

Research Associate February, 1999-August, 1999: Dept. of Pharmacology, Univ. Texas Health Science Center at San Antonio, TX.

Post-Doctoral Fellow August, 1997-January, 1999: Dept. of Physiology, Univ. Texas Health Science Center at San Antonio, TX.

Research Fellow August, 1995-August, 1997: American Heart Association FL Affiliate, Florida State University, Tallahassee, FL.

AWARDS and HONORS

Faye and Alex Spanos Distinguished Professor Teaching Award – 2018
News Digest International. Who's Who in Academia – 2016
Marquis Who's Who – 2007, 2008, 2009, 2010, 2011, 2013
UOP Panhellenic and Interfraternity Councils Recognition, 2003 and 2004
Who's Who of America's Teachers, 2003, 2004, 2006

Greek Council Outstanding Professor Award, 2002, 2006
Kappa Alpha Omega Professor of the Year, 2001
Eberhardt Summer Research Grant, 2000
Barbara Bowman Postdoctoral Fellowship Award, 1998
National Research Service Award, 1998 (priority score: 148)
Graduate Student Research Fellow, American Heart Assoc. 1995-96, 1996-97
College of Human Sciences Dissertation Research Award, 1997
F.S.U. University Research Award Fellowship, 1996
Member, Kappa Omicron Nu Honor Society, 1996 and 1997
Undergraduate Merit Travel Scholarship, 1989
Outstanding Young Men of America, 1988
AAHPERD Outstanding Student of the Year, 1988
Outstanding College Students of America, 1988

COURSES TAUGHT At Pacific

1. HLTH 41 – Heart Exercise and Nutrition
2. HLTH 45 – Nutrition for Health
3. BENG 53 – Biology I for Engineers
4. BENG 63 – Biology II for Engineers
5. HLTH 61 – Medical Terminology
6. HLTH 135 – Nutrition and Metabolism
7. PACS II – Pacific Seminar
8. HLTH 129 – Exercise Physiology
9. HLTH 146 – Health, Disease and Pharmacology
10. HLTH 147 – Muscle Physiology
11. HLTH 177 – Cardiovascular Physiology
12. HLTH 193 – Special Topics: Cardiovascular Dynamics
13. HLTH 193 – Special Topics: Medical Physiology
14. HLTH 193 – Special Topics: Neuroanatomy
15. HLTH 193 – Special Topics: Stress Physiology
16. HLTH 247 – Advanced Exercise Physiology
17. HLTH 235 – Nutrition and Exercise Metabolism
18. HLTH 293 – Special Topics: Medical Physiology
19. PTHR 310 – Exercise Physiology in Physical Therapy

CURRICULUM DEVELOPMENT:

1999 General education nutrition course (non-laboratory science course) – HLTH 45
2001 Health, Disease and Pharmacology – HLTH 146
2002 Applied and Clinical Physiology – HLTH 248
2003 Neuroscience for Health Professions – HLTH 193
2006 Cardiovascular Physiology – HLTH 177, a second semester exercise phys course
2008 Medical Physiology – HLTH 193/293
2008 General Biology I with Applications for Engineers - BENG 53
2009 General Biology II for Engineers – BENG 63
2010 Establishment of a new exercise science program at Pacific
2011 Exercise physiology course for freshman – HLTH 129
2011 Departmental exercise science curriculum considered for a new BS program
2013 Graduate course in nutrition and exercise metabolism – HLTH 235
2014 New BS program in Health and Exercise Science implemented Fall semester
2014 Exercise biochemistry course – HLTH 135
2017 Stress Physiology course in collaboration with Dr. Jensen – HLTH 193
2021 Public Health and Community Wellness - HLTH 80
2021 Research in Health and Exercise Science - HLTH 178

PUBLICATIONS

Manuscripts: Students names in bold

Leonard A. Jason, Todd E. Davenport, Carmen Scheibenbogen, Mark A. Zinn, Mary Dimmock, Janet Stone, Karl J. Tronstad, Øystein Fluge, Jonas Bergquist, Staci R. Stevens, David Tuller, Uta Behrends, J. Mark Van Ness, Mark A. Vink, Luis Nacul (2024) Myalgic Encephalomyelitis/Chronic Fatigue Syndrome: Altered Effort and Deconditioning are Not Valid Explanations. In response to: Walitt, B. et al. Deep phenotyping of post-infectious myalgic encephalomyelitis/chronic fatigue syndrome. *Nature Com* 15:907
<https://doi.org/10.1038/s41467-024-45107-3>. In Review

Cunha, J. M. (2024). *Analyzing Sex Differences in Human Performance Through 3D Isotonic Resistance* (Master's thesis, University of the Pacific).

Davenport, T. E., Stevens, S. R., Stevens, J., Snell, C. R., & Van Ness, J. M. (2023). Development and measurement properties of the PEM/PESE activity questionnaire (PAQ). *Work*, 74 no 4, 1187-1197 OK.

Ciccolella, M. E., & Van Ness, J. M. (2023). On the Basis of Sex? Transfemales in Sport. *Journal of Exercise Physiology Online*, 26(2).

King, A.C., West-Sell, S.A., VanNess, J.M., Oliver, T.J., and Jensen, C.D. (2023). Elevated BMI Impairs Balance among Older Adults with Vestibular Disorders. *Journal of Exercise Medicine*, 8 (1), 1-12.

Davenport, T. E., Chu, L., Stevens, S. R., Stevens, J., Snell, C. R., & Van Ness, J. M. (2023). Two symptoms can accurately identify post-exertional malaise in myalgic encephalomyelitis/chronic fatigue syndrome. *Work*, 1-15.

Ciccolella, M. E., Van Ness, J. M., & Jensen, C. D. (2022). Law and Science: Too Fat to Work? *Professionalization of Exercise Physiology*, 7(1), 9.

Acosta, M., Van Ness, J. M., & Ciccolella, M. E. (2022). The Standard of Care for Nutritional Advice. *Professionalization of Exercise Physiology*.

Davenport, T. E., Stevens, S., Stevens, J., Snell, C., & Van Ness, J. M. (2022). Lessons from Myalgic Encephalomyelitis/Chronic Fatigue Syndrome for Long COVID: Postexertional Symptom Exacerbation is an Abnormal Response to Exercise/Activity. *Journal of Sports Physical Therapy*.
<https://doi.org/10.2519/jospt.blog.20220202>

Davenport, T. E., Stevens, S., Stevens, J., Snell, C., & Van Ness, J. M. (2022). Lessons from Myalgic Encephalomyelitis/Chronic Fatigue Syndrome for Long COVID Part 3: “Energy System First Aid” for People With Postexertional Symptom Exacerbation. *Journal of Sports Physical Therapy: JOSPT Blog*.
<https://www.jospt.org/do/10.2519/jospt.blog.20220216/full/>

Davenport, T. E., Stevens, S., Stevens, J., Snell, C., & Van Ness, J. M. (2022). Lessons from Myalgic Encephalomyelitis/Chronic Fatigue Syndrome for Long COVID Part 4: Heart Rate Monitoring to Manage Postexertional Symptom Exacerbation. *Journal of Sports Physical Therapy: JOSPT Blog*.
<https://www.jospt.org/do/10.2519/jospt.blog.20220223/full/>

Davenport, T. E., Stevens, S., Stevens, J., Snell, C., & Van Ness, J. M. (2022). Lessons from Myalgic Encephalomyelitis/Chronic Fatigue Syndrome for Long COVID Part 2: Physiological Characteristics During Acute Exercise Are Abnormal in People With Postexertional Symptom Exacerbation. *Journal of Sports Physical Therapy: JOSPT Blog*. <https://www.jospt.org/doi/10.2519/jospt.blog.20220209/full/>

Todd, E. Davenport, Staci R. Stevens, Jared Stevens, Christopher R. Snell and J. Mark Van Ness. Lessons from Myalgic Encephalomyelitis/Chronic Fatigue Syndrome for Long COVID: Postexertional Symptom Exacerbation is an Abnormal Response to Exercise/Activity. *JOSPT*, February 2, 2022 <https://doi.org/10.2519/jospt.blog.20220202>

Todd, E. Davenport, Staci R. Stevens, Jared Stevens, Christopher R. Snell and J. Mark Van Ness. We already know enough to avoid making the same mistakes again with Long COVID. *JOSPT*, March 10, 2021, <https://doi.org/10.2519/jospt.blog.20210310>

M.E. Ciccolella, S. West-Sell and J.M. VanNess. Transgender Student-Athlete Rights. *Professionalism in Exercise Physiology Online*. 1099-5862; 24(2), March, 2021. <https://www.asep.org/resources/pep-online/>

Todd E. Davenport, Staci R. Stevens, Jared Stevens, Christopher R. Snell and J. Mark Van Ness. Properties of measurements obtained during cardiopulmonary exercise testing in individuals with Myalgic Encephalomyelitis/Chronic Fatigue Syndrome. *Work* 66 (2020) 247–256 DOI:10.3233/WOR-203170.

Lariel J. Mateo, Lily Chu, Staci Stevens, Jared Stevens, Christopher R. Snell, Todd Davenport and J. Mark VanNess. Post-exertional symptoms distinguish Myalgic Encephalomyelitis/Chronic Fatigue Syndrome subjects from healthy controls. *Work* 66 (2020) 265–275 DOI:10.3233/WOR-203168 IOS Press 265

Todd E. Davenport, **Michael K. Ward**, Staci R. Stevens, Jared Stevens, Christopher R. Snell and J. Mark VanNess. Cardiopulmonary responses to exercise in an individual with Myalgic Encephalomyelitis/Chronic Fatigue Syndrome during long-term treatment with intravenous saline: A case study. *Work* 66 (2020) 353–359 DOI:10.3233/WOR-203214 IOS Press 353.

West-Sell, S.A., VanNess, J.M., and Ciccolella, M.E. (2019). Law, policy, and physiology as determinants of fairness for transgender athletes. *Professionalization of Exercise Physiology*, 22 (2), 1-10.

Davenport, T., **M. Lehnen**, S. Stevens, J. Stevens, J. Mark VanNess, C.R. Snell. Chronotropic Intolerance: An Overlooked Determinant of Symptoms and Activity Limitation in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome? *Frontiers in Pediatrics*, March, 2019. DOI: 10.3389/fped.2019.00082.

Larson, B; Davenport, Todd; Stevens, Staci R; Stevens, Jared; Van Ness, J. Mark' Snell, Christopher. Reproducibility of Measurements Obtained During Cardiopulmonary Exercise Testing in Individuals With Fatiguing Health Conditions: A Case Series. *Cardiopulmonary Physical Therapy Journal*, June 24, 2019. Doi: 10.1097/CPT.000000000000100.

M. Ciccolella and J. Mark VanNess. Legal Challenges to Expert Testimony of the Exercise Physiologist. *Professionalization of Exercise Physiology* 22(1), 2019. ISSN 1099-5862.

Jerome Bouquet¹, Tony Li, Jennifer L. Gardy, Xiaoying Kang, Staci Stevens, **Jared Stevens**, J. Mark VanNess, Christopher Snell, James Potts, Ruth R. Miller, Muhammad Morshed, Mark McCabe, Shoshana Parker, Miguel Uyaguari, Patrick Tang, Ted Steiner, Wee-Shian Chan, Astrid-Marie De Souza, Andre Mattman, David M. Patrick, and Charles Y. Chiu. Whole blood human transcriptome and virome analysis of ME/CFS patients experiencing post-exertional malaise following cardiopulmonary exercise testing. *PLoS ONE* 14(3): e0212193. <https://doi.org/10.1371/journal.pone.0212193>

Jensen CD, Ruiz JL, Leslie KL, Amaral MM, VanNess JM, Jacobson LE, Saxe JM. Statins Increase Likelihood and Frequency of Falls: Retrospective and Prospective Analyses of an Elderly Population. *Journal of Aging and Physical Activity*. In review.

S. Stevens, C. Snell, J. Stevens, B. Keller and J.M. VanNess. Cardiopulmonary Exercise Test Methodology for Assessing Exertion Intolerance in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome. *Frontiers In Pediatrics* 6:242, 2018 DOI: 10.3389/fped.2018.00242

Davenport, T., S. Stevens, J. Mark VanNess, C.R. Snell. Checking our Blind Spots: Current Status of Research Evidence Summaries in ME/CFS. *British Journal of Sports Medicine*, July 2018. DOI: 10.1136/bjsports-2018-099553

Jensen CD, **Gleason D**, VanNess JM. (2018). A Four-Week Unstructured Break Improved Athletic Performance in Collegiate Rugby Players. *Journal of Strength and Conditioning Research*. DOI: 10.1519/JSC.0000000000002417.

Ciccolella, M.E., C. Ludwig, J.M. VanNess, S. Sailor and C. Pond. Concussion Policy and Law: Primacy or Subservience for the Athletic Trainer? *Athletic Training & Sports Health Care*. 9(4); 2017.

J. Thomas, J.M. VanNess, and B. Cardinal. Physical Fitness and Self-Image: An Evaluation of the Exercise Self-Schema Questionnaire Using Direct Measures of Physical Fitness. *International Journal of Exercise Science*. 2016 Oct 1;9(3):445-459. PMID: 27766132

B. Larson, T.E. Davenport, S.R. Stevens, J. Stevens, J. M. VanNess and C.R. Snell. Diagnostic Implications of Cardiopulmonary Exercise Test Reproducibility in Women with Fatiguing Health Conditions: A Case Series. Submitted to *Cardiopulmonary Physical Therapy Journal* – September, 2014.

Snell, CR, S.R. Stevens, Davenport, T.E., VanNess, J.M. Discriminative Validity of Metabolic and Workload Measurements to Identify Individuals with Chronic Fatigue Syndrome. *Physical Therapy*, published online June 27, 2013. doi: 10.2522/ptj.20110368 PMID: 23813081.

Ciccolella, M.E., B. Moore, J.M. VanNess, J. Wyant. Exertional Rhabdomyolysis and the Law. *Exercise Physiology Online – Exertional Rhabdomyolysis and the Law: A Brief Review: JEP online* 17(1): 19-27, 2014.

Davenport, T.E S.R. Stevens, **K. Baroni**, J. Mark VanNess, and Christopher R. Snell. Reliability and Validity of Short Form 36 Version 2 to Measure Health Perceptions In a Subgroup of Individuals With Fatigue. *Disability and Rehabilitation*; 33(25-26): 2596-604, 2011. PMID: 21682669

Davenport, T.E S.R. Stevens, **K. Baroni**, J. Mark VanNess, and Christopher R. Snell. Diagnostic Accuracy of Symptoms Characterizing Chronic Fatigue Syndrome. *Disability and Rehabilitation*; 33(19-20): 1768-1775, 2011). PMID: 21208154

West-Sell, S. J. Mark VanNess and M.E. Ciccolella. Law, Policy and Physiology as Determinants of Fairness for Transgender Athletes. *Professionalism of Exercise Physiology* 1099-5862; 22(2), June, 2010

VanNess, J.M., C.R. Snell, L. Bateman, **T Stiles** and S.R. Stevens. Post-Exertional Malaise in Women with Chronic Fatigue Syndrome. *J. of Women's Health*, 19(2), 2010. doi: 10.1089/jwh.2009.1507 PMID: 20095909

Davenport TE, Stevens SR, VanNess JM, Snell CR, Little T. Conceptual model for physical therapist management of chronic fatigue syndrome/myalgic encephalomyelitis. *Phys Ther.* (2010) 90:602–14. doi: 10.2522/ptj.20090047

- Davenport, T.E S.R. Stevens, J. Mark VanNess, Christopher R. Snell and T. Little. A Conceptual Model for Evidence-Based Physical Therapist Management of Chronic Fatigue Syndrome/Myalgic Encephalomyelitis. *Physical Therapy*, 90(4), 602-614, 2010. PMID: 20185614
- Ciccolella, EC, JM VanNess, and T Boone. A Public at Risk: Personal Fitness Trainers without a Standard of Care. *Professionalism in Exercise Physiology*, 11(7), 2008.
- VanNess, J.M., C.R. Snell and S.R. Stevens. Diminished Cardiopulmonary Capacity During Post-Exertional Malaise in Chronic Fatigue Syndrome. *Journal of Chronic Fatigue Syndrome*, 14(2):77-86, 2007.
- Ciccolella, M.E., C.R. Snell, S.R. Stevens and J.M. VanNess. Legal and Scientific Considerations of the Exercise Stress Test in Chronic Fatigue Syndrome. *Journal of Chronic Fatigue Syndrome*, 14(2):61-76, 2007.
- Snell, C.R., J.M. VanNess, D.R. Strayer, and S.R. Stevens. Exercise and Immune Function in Male and Female Chronic Fatigue Syndrome Patients. *International Journal of In Vivo Research*, 19:387-390, 2005. PMID: 15796202.
- West, S. **M. Drummond** and J.M. VanNess. Metabolic Responses To Controlled Frequency Breathing in Competitive Swimmers. *Journal of Strength and Conditioning Research*, 19(4), 772-776, 2005.
- Snell, C.R., J. M. VanNess, S.R. Stevens. When Working Out Doesn't Work Out. *CFIDS Chronicle*; 17(3): 6-9, 2004.
- VanNess, J.M., C.R. Snell, W.L. Dempsey, D.R. Strayer, and S.R. Stevens. Subclassifying Chronic Fatigue Syndrome Through Exercise Testing. *Medicine and Science in Sports and Exercise*, 35(6), 908-913, 2003. doi: 10.1249/01.MSS.0000069510.58763.E8
- Snell, C.R., J.M. VanNess, D.R. Strayer, and S.R. Stevens. Physical Performance and Prediction of 2-5A Synthetase/RNaseL Antiviral Pathway Activity in Patients with Chronic Fatigue Syndrome. *International Journal of In Vivo Research*, 16(3), 2002.
- VanNess, J.M. C.R. Snell, D. Strayer, D.M. Fredrickson, and S.R Stevens. Assessment of Functional Impairment by Cardiopulmonary Exercise Testing in Patients with Chronic Fatigue Syndrome. *Journal of Chronic Fatigue Syndrome* 8(3-4); 103-110, 2001.
- Snell, C.R., J.M. VanNess, and S.R. Stevens. Chronic Fatigue Syndrome, Ampligen, and Quality of Life: A Phenomenological Perspective. *Journal of Chronic Fatigue Syndrome* 8(3-4); 117-121, 2001
- VanNess, J.M., C.R. Snell, and S. Stevens. A Realistic Approach to Exercise in CFS Patients. *CFS Research Review* , Volume 1, issue 4, pgs. 3-8, 2000.
- West-Sell, S. A., VanNess, J. M., & Piazza, D. (2000). Nutrition for Performance. <https://scholarlycommons.pacific.edu/cop-facpres/1236>
- Stevens, S.R., and J.M. VanNess. Exercise testing for the diagnosis of CFS. *AACFS Physicians Newsletter*. Page 2; October, 2000.
- VanNess, J.M., C. Hinojosa-Laborde, T. Craig and J.R. Haywood. The effect of sinoaortic denervation on renal wrap hypertension. *Hypertension*. 33:476-481, 1999.

VanNess, J.M. J. DiMaria, R.M. Casto and J.M. Overton. Increased NPY activity in the PVN contributes to food-restriction induced reductions in blood pressure in aortic coarctation hypertensive rats. *Brain Res.* 821:263-269, 1999.

VanNess, J.M., J.M. Overton. Food restriction attenuates the blood pressure response to paraventricular hypothalamic lesions in aortic coarctation hypertension. *Brain Res.* 792:237-245, 1998.

VanNess, J.M., R.M. Casto, and J.M. Overton. Antihypertensive effect of food restriction in aortic coarctation hypertension. *Journal of Hypertension*, 15:1253-1262, 1997.

VanNess, J.M., and J.M. Overton. Attenuated blood pressure responsiveness during post-exercise hypotension. *Clinical and Experimental Hypertension*, 18(7):891-900, 1996.

Casto, R.M., J.M. VanNess, and J.M. Overton. Effects of central leptin administration on blood pressure in normotensive rats. *Neuroscience Letters*, 246:29-32, 1998.

Jones, M.A., J.M. VanNess, R.M. Casto and J.M. Overton. Influence of food deprivation on sympathetic support of blood pressure in the spontaneously hypertensive rat. *Nutrition Research*, 18:1581-1594, 1998.

Overton, J.M., J.M. VanNess, and R.M. Casto. Food restriction reduces sympathetic support of blood pressure in spontaneously hypertensive rats. *Journal of Nutrition*, 127:655-660, 1997.

Overton, J.M., J.M. VanNess, and H.J. Takata. Cardiovascular effects of daily volitional exercise in Dahl-salt sensitive rats. *American Journal of Hypertension*, 11:73-80, 1998.

Town G.P., and J.M. VanNess. Metabolic responses to controlled frequency breathing in competitive swimmers. *Medicine and Science in Sports and Exercise*, 22(1):112-116, 1990.

Town G.P., and J.M. VanNess. Metabolic responses to controlled frequency breathing in competitive swimmers; Implications for hypoxic training. *Swimming Technique* June-July 1990.

Book Chapters:

Davenport, TE., S.R. Stevens and J.M. VanNess. Myalgic Encephalomyelitis/Chronic Fatigue Syndrome. *ACSM's guidelines for exercise testing and prescription*. Lippincott Williams & Wilkins (2024) Accepted and awaiting publication.

Snell, C.R., VanNess, J.M., Stevens, S.R., **Phippen, S.**, and Dempsey, W.L. (2003). Exercise Therapy. In *Handbook of Chronic Fatigue Syndrome*. L.A. Jason, P. Fennell, and R. Taylor (Eds). John Wiley & Sons, Inc. New York, pp. 561-579.

VanNess, J.M., Snell, C.R., Fredrickson, D.M., Strayer, D.R., and Stevens, S.R. (2001). Assessment of Functional Impairment by Cardiopulmonary Exercise Testing in Patients with Chronic Fatigue Syndrome. In R. Patarca-Montero (Ed.). *Innovations in Chronic Fatigue Syndrome Research and Clinical Practice*. (pp. 103-110). Haworth New York: Medical Press.

Snell, C.R., VanNess, J.M. and Stevens, S.R. (2001) Chronic Fatigue Syndrome, Ampligen, and Quality of Life: A Phenomenological Perspective. In R. Patarca-Montero (Ed.). *Innovations in Chronic Fatigue Syndrome Research and Clinical Practice*. (pp. 117-123). Haworth New York: Medical Press.

Lee, D., Stevens, S., Davenport, T., Stevens, J., Dowell, T., & VanNess, M. (2024). Blood Flow To The Head Is Reduced In A Patient With Myalgic Encephalomyelitis With Confirmed Post-exertional Malaise: 2417. *Medicine & Science in Sports & Exercise*, 56(10S), 881.

Delgado, E. N., Bruneau Jr, M. L., Van Ness, J. M., & Jensen, C. D. (2024). Blood Pressure Responses To Serial Wingate Testing With And Without An Audience: 3268. *Medicine & Science in Sports & Exercise*, 56(10S), 746-747.

Cassandra, C. T., Wong, K., Oster, A., Jensen, C. D., Van Ness, J. M., & Cunha, J. M. (2024). Sleep, Caffeine, And Exercise: The Relationship Between Behavior And Cognition: 1832. *Medicine & Science in Sports & Exercise*, 56(10S), 628.

Steere, K. B., Collins, S. M., Stevens, S., Davenport, T. E., & VanNess, M. (2023). Heart Rate Variability During Serial Exercise Testing In Patients With Myalgic Encephalomyelitis: 415. *Medicine & Science in Sports & Exercise*, 55(9S), 146.

Matian, N., Rich, D., VanNess, J. M., & Jensen, C. D. (2023). Exercise Behavior And Recreational Sport Participation Predict Academic Success And Graduation In University Students: 1756. *Medicine & Science in Sports & Exercise*, 55(9S), 595-596.

Roque, A., Do, T., Roijackers, K. B., Molgaard, A., VanNess, J. M., & Jensen, C. D. (2023). Collegiate Field Hockey Players Experience Different Exercise Loads Between Practices And Matches: 1165. *Medicine & Science in Sports & Exercise*, 55(9S), 374-375.

Bannister, B.S., Jensen, M.R., **Azevedo, A.S., Roque, A., Molgaard, A., Holmgren, N.J.,** VanNess, J.M. and Jensen, C.D., (2023). Anthropometric Differences Between Male Division-1 Collegiate Athletes And CrossFit Exercisers. *Medicine & Science in Sports & Exercise*

Ramos, F., Jensen, C. D., Stevens, S., Davenport, T., & VanNess, J. M. (2023). Patients With Myalgic Encephalomyelitis Have Blunted Exercise Ventilatory Responses In The Post-Exertional State: 423. *Medicine & Science in Sports & Exercise*, 55(9S), 150.

Jensen, M. R., **Trevino, J., Holmgren, N. J., Azevedo, A.,** Van Ness, J. M., & Jensen, C. D. (2023). Female Collegiate Athletes And CrossFit Exercisers Exhibit Muscular Differences During Body Composition Testing. *Medicine & Science in Sports & Exercise*

Davenport, T. E., Stevens, S., Stevens, J., Snell, C, & Van Ness, J.M. (2023). The PEM/PESE Activity Questionnaire: A Novel Health-Related Quality of Life Measure of Post-Exertional Disablement. CP-15211 In *2022 Combined Sections Meeting (CSM)*. APTA.

Davenport, T. E., Stevens, S., Van Ness, M., & Dowell, T. G. (2022, February). How to Care for People with Long COVID Through Phased Rehabilitation and Integrated Medical Management. In *2022 Combined Sections Meeting (CSM)*. APTA.

Cameron A. Williams, Ryann L. Martinez, Nathaniel J. Holmgren, Toni Sampson, J. Mark VanNess, Courtney D. Jensen. (2022). Characteristics of Exercise Stress Differ Between Practice and Competition Settings in Collegiate Soccer. *Medicine & Science in Sports & Exercise*. DOI: 10.1249/01.mss.0000882008.35223.12.

Douglas T. White, Nathaniel J. Holmgren, J. Mark VanNess, Margaret Ciccolella, Courtney D. Jensen. (2022). Anthropometric Characteristics of Relative Age Effects Among Division 1 Athletes. *Medicine & Science in Sports & Exercise*. DOI: 10.1249/01.mss.0000879684.97458.3d.

Vivian Truong, Nathaniel J. Holmgren, Sebastian T. DiGiampaolo, John Dickerson, J. Mark VanNess, Courtney D. Jensen. (2022). Normative Values for Vertical Jump Kinematic Sequencing by Sex and Collegiate Sport. *Medicine & Science in Sports & Exercise*. DOI: 10.1249/01.mss.0000875316.56046.39.

Bradley, T. T., Green, A. S., Humphrey, G. K., Amo, A. E., VanNess, J. M., & Jensen, C. D. (2021). Fitness Testing Frequency Differs Between Sexes And Across Sports In A Division 1 Athletics Program: 45. *Medicine & Science in Sports & Exercise*, 53(8S), 15.

Acosta, Marie R., Cynthia Villalobos, Patricia I. Jensen, Jessica L. Ruiz, Lewis E. Jacobson, Jonathan M. Saxe, J. Mark VanNess, and Courtney D. Jensen. "Fall Risk Analysis: Implications For Exercise Prescription Among Older Adults: 1184." *Medicine & Science in Sports & Exercise* 53, no. 8S (2021): 384-385.

Intrieri, T. A., Ko, J., VanNess, J. M., Jacobson, L. E., Saxe, J. M., Cunha, J. M., & Jensen, C. D. (2021). Depression, Dementia And Psychiatric Disorders: The Heart Of The Problem: 283. *Medicine & Science in Sports & Exercise*, 53(8S), 88-8

Howell, J. D., Holmgren, N. J., Cressey, E. M., VanNess, J. M., O'Neil, J., Kraus, J., & Jensen, C. D. (2021). Exercise Selection And Fastball Velocity: Relationships In Collegiate Pitchers: 456. *Medicine & Science in Sports & Exercise*, 53(8S), 147.

Cunha, J. M., Villalobos, C., Edelstein, K. D., VanNess, J. M., Rahawi, N. S., & Jensen, C. D. (2021). The Effects Of Weighted Loads On Pitching Mechanics In Division 1 Pitchers: 452. *Medicine & Science in Sports & Exercise*, 53(8S), 146.

Williams, C. A., Frank, F. H., Jacobson, L. E., Saxe, J. M., VanNess, J. M., & Jensen, C. D. (2021). Moderate Alcohol Consumption Predicts Tobacco Use And Illicit Drug Abuse: Implications For Health Screening: 644. *Medicine & Science in Sports & Exercise*, 53(8S), 216.

Barry, J. A., Amo, A. E., Acosta, M. R., Humphrey, G. K., VanNess, J. M., Lazaro, M., & Jensen, C. D. (2021). The Influence Of Body Composition On Health Monitoring Behavior: 1006. *Medicine & Science in Sports & Exercise*, 53(8S), 328-329.

Edelstein, K. D., Acosta, M. R., Buchanan, P. D., VanNess, J. M., Mohan, S. G., & Jensen, C. D. (2021). Serial Testing Of Blood And Breath Ketones: A Validation Study: 818. *Medicine & Science in Sports & Exercise*, 53(8S), 273.

Ta, S., Ortiz, L., Jacobson, L. E., Saxe, J. M., Villalobos, C., VanNess, J. M., & Jensen, C. D. (2021). Reevaluating The Role Of Obesity In Healthcare Outcomes: 1362. *Medicine & Science in Sports & Exercise*, 53(8S), 447-448.

Nguyen, B. T., VanNess, J. M., & Jensen, C. D. (2021). The Effect Of Quarantine On Daily Physical Activity Differs Between Athletes And Non-athletes: 621. *Medicine & Science in Sports & Exercise*, 53(8S), 208.

Becerra, E., Wang, J. P., VanNess, J. M., & Jensen, C. D. (2021). The Effect Of Three Techniques For Soft Tissue Mobilization On Softball Pitching Biomechanics: 401. *Medicine & Science in Sports & Exercise*, 53(8S), 127.

Humphrey, G. K., Amo, A. E., VanNess, J. M., & Jensen, C. D. (2021). Anthropometric Changes In Female Collegiate Athletes Apparent Within Four Weeks Of A Yoga Intervention: 114. *Medicine & Science in Sports & Exercise*, 53(8S), 34-35.

Mercedes K. Steidley, Emily L. Roessel, J. Mark VanNess, Natalie R. Schlenker, William P. Lydon, Sarah R. McDowell, Courtney D. Jensen. *Functional Assessment of the Upper Limb: Support for Isotonic Measurement Devices*. Presented at: 2019 ACSM National Conference, June 1, Orlando, FL. Published in: *Medicine & Science in Sports & Exercise* 51(5S).

Cameron A. Williams, J. Mark VanNess, Joey Rossi, John Mayberry, Courtney D. Jensen. *Lower Limb Kinematic Assessment to Predict Water Polo Performance*. Presented at: 2019 ACSM National Conference, June 1, Orlando, FL. Published in: *Medicine & Science in Sports & Exercise* 51(5S).

Mason Jiang, William P. Lydon, J. Mark VanNess, Alexis C. King, Courtney D. Jensen. *A Novel Assessment of Baseball Throwing Mechanics*. Presented at: 2019 ACSM National Conference, June 1, Orlando, FL. Published in: *Medicine & Science in Sports & Exercise* 51(5S).

Andria C. Moitoza, William P. Lydon, J. Mark VanNess, Alexis C. King, Courtney D. Jensen. *Biomechanical Analysis of Collegiate Baseball: Training Implications for Enhancement of Pitching Endurance*. Presented at: 2019 ACSM National Conference, June 1, Orlando, FL. Published in: *Medicine & Science in Sports & Exercise* 51(5S).

Margaret E. Bristow, Nathaniel J. Holmgren, J. Mark VanNess, **Brian G. Graham,** Joey Rossi, Courtney D. Jensen. *Vertical Jump Versus Kinematic Sequencing: Advanced Technology Doesn't Always Enhance Appraisal*. Presented at: 2019 ACSM National Conference, June 1, Orlando, FL. Published in: *Medicine & Science in Sports & Exercise* 51(5S).

Alexia E. Amo, William P. Lydon, Nathaniel J. Holmgren, J. Mark VanNess, Courtney D. Jensen. *Kinematic Factors that Contribute to Batting Performance in Collegiate Baseball*. Presented at: 2019 ACSM National Conference, May 31, Orlando, FL. Published in: *Medicine & Science in Sports & Exercise* 51(5S).

Lena K. Perry, J. Mark VanNess, **William P. Lydon, Joey Rossi,** Courtney D. Jensen. *The Influence of Fatiguing Exercise on Power Output*. Presented at: 2019 ACSM National Conference, May 31, Orlando, FL. Published in: *Medicine & Science in Sports & Exercise* 51(5S).

Cynthia Villalobos, William E. Herrin, J. Mark VanNess, Norah Madaya, Margaret E. Ciccolella, Courtney D. Jensen. *Modernization of a Developing Country: Effect on Body Mass Index*. Presented at: 2019 ACSM National Conference, May 30, Orlando, FL. Published in: *Medicine & Science in Sports & Exercise* 51(5S).

Kento J. Moriguchi, Nathaniel J. Holmgren, J. Mark VanNess, **William P. Lydon,** Courtney D. Jensen. *Confirming The Coach's Bias: Power Begets Performance at The Plate*. Presented at: 2019 ACSM National Conference, May 31, Orlando, FL. Published in: *Medicine & Science in Sports & Exercise* 51(5S).

Emily L. Roessel, J. Mark VanNess, **Mercedes K. Steidley,** Ryan C. Bain, Courtney D. Jensen. *Exercise Interventions Improve Drug Abstinence at an Out-Patient Rehabilitation Center*. Presented at: 2019 ACSM National Conference, May 30, Orlando, FL. Published in: *Medicine & Science in Sports & Exercise* 51(5S).

Saejel G. Mohan, Tina Bhateja, Kathy L. Leslie, J. Mark VanNess, Jonathan M. Saxe, Lewis E.

Jacobson, Courtney D. Jensen. *Reason to Exercise in Diabetic Populations: Use of Rapid-Acting Insulin Predicts Falls in At-Risk Patients*. Presented at: 2019 ACSM National Conference, May 30, Orlando, FL. Published in: *Medicine & Science in Sports & Exercise* 51(5S).

Diana Devitskaya, **Cynthia Villalobos**, J. Mark VanNess, Paul D. Vosti, **Alexis C. King**, Courtney D. Jensen. *Sex-Specific HbA1c Responses to Structured Exercise Among Patients with Type 2 Diabetes*. Presented at: 2019 ACSM National Conference, May 30, Orlando, FL. Published in: *Medicine & Science in Sports & Exercise* 51(5S).

Nathaniel J. Holmgren, J. Mark VanNess, Lewis E. Jacobson, Jonathan M. Saxe, Courtney D. Jensen. *Diurnal and Circannual Variation in Body Temperature: Implications for Heat Illness Protocols*. Presented at: 2019 ACSM National Conference, May 29, Orlando, FL. Published in: *Medicine & Science in Sports & Exercise* 51(5S).

Shabnam A. Behin, Cynthia Villalobos, Nathaniel J. Holmgren, Alexis C. King, J. Mark VanNess, Paul D. Vosti, Courtney D. Jensen. *Benefits of Behavior: Exercise Enhances Perception of Physical Function Independent of Improvement Among Diabetic Patients*. Presented at: 2019 ACSM National Conference, May 29, Orlando, FL. Published in: *Medicine & Science in Sports & Exercise* 51(5S).

Stephanie Ta, Nathaniel J. Holmgren, J. Mark VanNess, Alexis C. King, Lewis E. Jacobson, Jonathan M. Saxe, Courtney D. Jensen. *Is Seasonal Affective Disorder a Symptom of a Larger Collection of Sedentary and Obesity-Related Disorders?* Presented at: 2019 ACSM National Conference, May 29, Orlando, FL. Published in: *Medicine & Science in Sports & Exercise* 51(5S).

Angela A. Colback, **Cynthia Villalobos**, Jonathan M. Saxe, Lewis E. Jacobson, J. Mark VanNess, Courtney D. Jensen. *The Prevalence of Depression Among Diabetic Patients is Associated with Hemoglobin*. Presented at: 2019 ACSM National Conference, May 29, Orlando, FL. Published in: *Medicine & Science in Sports & Exercise* 51(5S).

Keenan J. Dung, J. Mark VanNess, **Nathaniel J. Holmgren**, Courtney D. Jensen. *Workout-Life Balance: How Psychological Stress Affects Force Production in Competitive Powerlifters and Healthy Controls*. Presented at: 2019 ACSM National Conference, May 29, Orlando, FL. Published in: *Medicine & Science in Sports & Exercise* 51(5S).

Gianna D. Maragliano, J. Mark VanNess, **Maggie E. Bristow, Nathaniel J. Holmgren, Joseph Arballo**, Courtney D. Jensen. *A Three-Dimensional Assessment of Push-Pull Power Ratios Across Various Loads*. Presented at: 2019 ACSM National Conference, May 29, Orlando, FL. Published in: *Medicine & Science in Sports & Exercise* 51(5S).

Kendall D. Bietsch, Cynthia Villalobos, William E. Herrin, **Jessica Avalos**, Norah Medaya, Courtney D. Jensen. *Physical Play with Children Predicts Better Hematological Health; Hematological Health Predicts Cognitive and Behavioral Development*. Presented at: 2019 ACSM National Conference, May 29, Orlando, FL. Published in: *Medicine & Science in Sports & Exercise* 51(5S).

Lindsie S. Rogers, J. Mark VanNess, **Roman Musselman**, Courtney D. Jensen. *Physiological Performance Predictions Based on Simple Assessments*. Presented at: 2018 ACSM National Conference, June 2, Minneapolis, MN. Published in: *Medicine & Science in Sports & Exercise*. DOI: 10.1249/01.mss.0000538611.17356.2a.

Victoria R. Mitchell, William P. Lydon, J. Mark VanNess, John Mayberry, Joey Rossi, Courtney D. Jensen. *Hit or Miss: Kinematic Predictors of In-Game Performance in Collegiate Pitching*. Presented at: 2018 ACSM National Conference, June 1, Minneapolis, MN. Published in: *Medicine & Science in Sports & Exercise*. DOI: 10.1249/01.mss.0000538191.10294.d2.

Samantha R. Gayla, Cynthia Villalobos, Justin C. Brown, J. Mark VanNess, Paul D. Vosti, Courtney D. Jensen. Chemotherapy and the Exercising Cancer Survivor. Presented at: 2018 ACSM National Conference, June 1, Minneapolis, MN. Published in: *Medicine & Science in Sports & Exercise*. DOI: 10.1249/01.mss.0000538331.73480.0b.

Amber Huang, Cynthia Villalobos, Justin C. Brown, J. Mark VanNess, Jeremy P. McConnell, Paul D. Vosti, Courtney D. Jensen. The Effect of Radiation Therapy on Cancer Patients Participating in Structured Exercise. Presented at: 2018 ACSM National Conference, June 1, Minneapolis, MN. Published in: *Medicine & Science in Sports & Exercise*. DOI: 10.1249/01.mss.0000538329.88727.4c.

Emily Roessel, Evelyn N. Delgado, Megan L. Darling, Nathaniel J. Holmgren, Courtney D. Jensen, J. Mark VanNess. Wingate Test-Retest Variability in Healthy Subjects. Presented at: 2018 ACSM National Conference, June 1, Minneapolis, MN. Published in: *Medicine & Science in Sports & Exercise*. DOI: 10.1249/01.mss.0000538197.40788.08.

Kelly L. McKinnie, J. Mark VanNess, Michelle M. Amaral, Greg Roberts, Jonathan M. Saxe, Lewis E. Jacobson, Courtney D. Jensen Obesity Associated Hypertension In Admitted Patients: Treating Isolated Systolic Hypertension May Be Short Sighted. Presented at: 2018 ACSM National Conference, June 1, Minneapolis, MN. Published in: *Medicine & Science in Sports & Exercise*. DOI: 10.1249/01.mss.0000536879.15816.fd.

Roman Musselman, J. Mark VanNess, Greg Roberts, Jonathan M. Saxe, Lewis E. Jacobson, Courtney D. Jensen. The Kidney as a Hub for pH Modulation: The Interrelationship of Lactate, Pulse, and Blood Pressure. Presented at: 2018 ACSM National Conference, May 31, Minneapolis, MN. Published in: *Medicine & Science in Sports & Exercise*. DOI: 10.1249/01.mss.0000536473.20098.78.

William P. Lydon, J. Mark VanNess, John Mayberry, Joey Rossi, Courtney D. Jensen. Sparta Testing and Vertical Jump Co-Predict Fastball Speed in Collegiate Pitchers. Presented at: 2018 ACSM National Conference, May 31, Minneapolis, MN. Published in: *Medicine & Science in Sports & Exercise*. DOI: 10.1249/01.mss.0000536546.60482.4b.

Alexis C. King, J. Mark VanNess, **Toni J. Oliver**, Courtney D. Jensen. Elevated BMI Impairs Balance Among Older Adults with Vestibular Disorders. Presented at: 2018 ACSM National Conference, May 31, Minneapolis, MN. Published in: *Medicine & Science in Sports & Exercise*. DOI: 10.1249/01.mss.0000536496.86031.75. 1) MSSE Webpage. 2) MSSE, 50(5S): 428-429. 3) MSSE, 49(5): S355.

Hyosung Han, Alexis C. King, J. Mark VanNess, **Cynthia Villalobos**, Courtney D. Jensen. Firefighters and Physical Function: Should There Be Annual Testing? Presented at: 2018 ACSM National Conference, May 31, Minneapolis, MN. Published in: *Medicine & Science in Sports & Exercise*. DOI: 10.1249/01.mss.0000536262.58834.d5.

Lena K. Perry, Cynthia Villalobos, J. Mark VanNess, Paul D. Vosti, Courtney D. Jensen. Anthropometry, Physical Functioning, and Quality of Life in the Exercising Diabetic Patient. Presented at: 2018 ACSM National Conference, May 31, Minneapolis, MN. Published in: *Medicine & Science in Sports & Exercise*. DOI: 10.1249/01.mss.0000536113.43175.6d.

Nicholas Zachmeier, Hyosung Han, Alexis C. King, J. Mark VanNess, Cynthia Villalobos, Courtney D. Jensen. Risk of Cardiovascular Disease in American Firefighters: An Intervention Is Warranted. Presented at: 2018 ACSM National Conference, May 31, Minneapolis, MN. Published in: *Medicine & Science in Sports & Exercise*. DOI: 10.1249/01.mss.0000535709.37438.81.

Jennica Harrison, Grace L. Naylor, J. Mark VanNess, Michelle M. Amaral, Greg Roberts, Jonathan M. Saxe, Lewis E. Jacobson, Courtney D. Jensen. Alcohol and Cardiovascular Health: Acute Alterations vs. Chronic Adaptations. Presented at: 2018 ACSM National Conference, May 30, Minneapolis, MN. Published in: *Medicine & Science in Sports & Exercise*. DOI: 10.1249/01.mss.0000535697.47740.52. 1) MSSE Webpage. 2) MSSE, 50(5S): 186. 3) MSSE, 49(5): S154-S155.

Maggie E. Bristow, Cali A. VanValkenburg, Gianna D. Maragliano, Vincent C. Nittoli, Adam W. Shunk, Courtney D. Jensen. The interrelationship and diagnostic utility of memory and reaction time in concussed students. Presented at: 2018 ACSM National Conference, May 30, Minneapolis, MN. Published in: *Medicine & Science in Sports & Exercise*. DOI: 10.1249/01.mss.0000535835.54412.40.

Saejel G. Mohan, J. Mark VanNess, Jonathan M. Saxe, Greg Roberts, Lewis E. Jacobson, Courtney D. Jensen. Thermoregulation, Strokes, and Dementia: A Healthy Heart Begets a Healthy Brain. Presented at: 2018 ACSM National Conference, May 30, Minneapolis, MN. Published in: *Medicine & Science in Sports & Exercise*. DOI: 10.1249/01.mss.0000535882.28038.e4.

Cynthia Villalobos, Paul D. Vosti, J. Mark VanNess, Courtney D. Jensen. Exercise Reduces HbA1c in Type 2 Diabetics, but Improved Strength Associates with Poorer Outcomes. Presented at: 2018 ACSM National Conference, May 30, Minneapolis, MN. Published in: *Medicine & Science in Sports & Exercise*. DOI: 10.1249/01.mss.0000535850.96650.26. 1

Lariel J. Mateo, Lily Chu, Staci Stevens, Jared Stevens, Christopher R. Snell, Todd Davenport, J. Mark VanNess. Comparing Post-Exertional Symptoms Following Serial Exercise Tests. Presented at: 2018 ACSM National Conference, May 30, Minneapolis, MN. Published in: *Medicine & Science in Sports & Exercise*. DOI: 10.1249/01.mss.0000535866.44178.11.

Megan L. Darling, J. Mark VanNess, Jonathan M. Saxe, Michelle M. Amaral, Lewis E. Jacobson, Courtney D. Jensen. A Curious Relationship Between Obesity, Diabetes, and Dementia. Presented at: 2018 ACSM National Conference, May 30, Minneapolis, MN. Published in: *Medicine & Science in Sports & Exercise*. DOI: 10.1249/01.mss.0000535853.81403.b4.

Grace L. Naylor, Jennica Harrison, J. Mark VanNess, Michelle M. Amaral, Jonathan M. Saxe, Lewis E. Jacobson, Courtney D. Jensen. Overturning the Hypothesis that Cigarettes Can Enhance Hematocrit and Improve Aerobic Capacity. Presented at: 2018 ACSM National Conference, May 30, Minneapolis, MN. Published in: *Medicine & Science in Sports & Exercise*. DOI: 10.1249/01.mss.0000535348.35854.f3. MSSE, 50(5S): 81. 3) MSSE, 49(5): S68.

Natalie Figueroa, Cynthia Villalobos, J. Mark VanNess, Paul D. Vosti, Courtney D. Jensen. Baseline Body Composition Affects Exercise Response: Results from Diabetic and Athletic Populations. Presented at: 2018 ACSM National Conference, May 30, Minneapolis, MN. Published in: *Medicine & Science in Sports & Exercise*. DOI: 10.1249/01.mss.0000535255.64451.f6.

Haylee A. Bettencourt, Courtney D. Jensen, Ryan Jorden, J. Mark VanNess. Physiological Variables to Detect Training Distress in Collegiate Soccer Players. 2017 ACSM National Conference, June 1, Denver, CO. Published in: *Medicine & Science in Sports & Exercise*. DOI: 10.1249/01.mss.0000518484.54512.4e. MSSE, 49(5S): 571.

Nick Diaz, Courtney D. Jensen, J. Mark VanNess. Acute Effects of the Power Snatch on Vertical Jump Performance. 2017 ACSM National Conference, May 31, Denver, CO. Published in: *Medicine & Science in Sports & Exercise*. DOI: 10.1249/01.mss.0000517175.13603.3e. MSSE, 49(5S): 127.

Ifeoma C. Agwuenu, Haylee A. Bettencourt, J. Mark VanNess, Courtney D. Jensen. Multicomponent Training Distress Scale (MTDS) Questionnaire to Detect Training Distress in Collegiate Soccer Players. 2017 ACSM National Conference, June 1, Denver, CO. Published in: *Medicine & Science in Sports & Exercise*. DOI: 10.1249/01.mss.0000518498.17287.1c.MSSE, 49(5S): 575.

Francisco H. Guiao, Staci Stevens, Todd Davenport, Christopher R. Snell, Jared Stevens, J. Mark VanNess. Diminished Ventilatory Responses During Post-Exertional Malaise Contributes to Exercise Intolerance in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome. 2017 ACSM National Conference, June 2, Denver, CO. Published in: *Medicine & Science in Sports & Exercise*. DOI: 10.1249/01.mss.0000519479.78263.d1. MSSE, 49(5S): 912.

Jeremy P. McConnell, J. Mark VanNess, **Derek Gleason**, Courtney D. Jensen. Training Unloading During Winter Break Improves Fitness in Male Rugby Players. 2017 ACSM National Conference, June 3, Denver, CO. Published in: *Medicine & Science in Sports & Exercise*. DOI: 10.1249/01.mss.0000519899.05036.33. MSSE, 49(5S): 1056.

J. M. VanNess, **H. Bettencourt**, J. Stevens, S. Stevens, T. Davenport, C.R. Snell. Cardiopulmonary Exercise Testing Demonstrates Post-Exertional Chronotropic Incompetence. International Association for Chronic Fatigue Syndrome/Myalgic Encephalomyelitis Annual Meeting. October, 28, 2016.

J. M. VanNess, T. Davenport, **H. Bettencourt**, J. Stevens, S. Stevens, C.R. Snell. Chronotropic Incompetence in ME/CFS. American Physical Therapy Association combined sections meeting. Anaheim, CA, February 19, 2016.

J.D. Thomas and J.M. VanNess. Exerciser Self-Image and Indices of Health-Related Fitness. *Med. Sci. Sports. Exerc.* 49(5); 1380, 2015. ACSM annual Meeting, San Diego, CA May 24-28, 2015.

Davenport, T., S. Stevens, J. Stevens, J.M. VanNess and C.R. Snell. Derivation of a clinical prediction rule to identify individuals with chronic fatigue syndrome based on cardiopulmonary exercise testing American Physical Therapy Association combined sections meeting. Indianapolis, IN, Feb 4-7, 2015.

Larson, B, Davenport TE, Stevens SR, Stevens J, Van Ness JM, Snell CR. Reproducibility of measurements obtained during cardiopulmonary exercise testing in individuals with and without fatiguing health conditions: A case series. Poster presentation at the International Association of Chronic Fatigue Syndrome/Myalgic Encephalomyelitis. San Francisco, CA. March 22, 2014.

J M VanNess, Christopher R. Snell, Staci Stevens and Jared Stevens. Diminished Pulmonary Ventilation in CFS Patients – Effects of Deconditioning and Post-Exertional Malaise. Free communication presentation at the International Association of Chronic Fatigue Syndrome/Myalgic Encephalomyelitis. San Francisco, CA. March 22, 2014.

K Albiston, J.M. VanNess. Mood disturbance and performance changes associated with training distress in swimmers. Annual Meeting of the Southwest chapter of the American College of Sports Medicine, Northridge, CA, October, 2013.

T. Davenport, S. Stevens, JM VanNess and CR Snell. Derivation of a clinical prediction rule to identify individuals with chronic fatigue syndrome based on cardiopulmonary exercise testing Poster presentation at American Physical Therapy Association Combined Section Meeting, Jan, 22, 2013 – San Diego, CA

B. Larson, T. Davenport, S. Stevens, J. Stevens, J.M. VanNess, C. Snell. Reproducibility of Measurements Obtained during Cardiopulmonary Exercise Testing in Individuals With and Without Fatiguing Health Conditions: A Case Series. California Physical Therapy Association, Santa Clara, CA, September, 2012.

T. Davenport, S. Stevens, **B. Larson**, J. Stevens, C. Snell and J.M. VanNess. Effort Perception in Chronic Fatigue Syndrome. Cardiopulmonary Physical Therapy Journal; 22(4): 37-38. American Physical Therapy Association Combined Sections Meeting, Chicago, IL. February, 2012.

C. Snell, S. Stevens, T. Davenport and J.M. VanNess. Reduced Submaximal Work Efficiency During a Novel Cardiopulmonary Exercise Test Paradigm Differentiates individuals with Chronic Fatigue Syndrome from Non-Disabled Individuals. Cardiopulmonary Physical Therapy Journal; 22(4): 23. American Physical Therapy Association Combined Sections Meeting, Chicago, IL. February, 2012.

D. Gleason and JM VanNess. A Detraining Study in Male Collegiate Rugby Players that Wasn't. Southwest American College of Sports Medicine, October, 2012.

B. Larson, S. Stevens, T. Davenport, JM VanNess and C. Snell. Effort Perception in CFS is Not Impaired. IACFS/ME Annual Meeting, Ottawa, Canada, September, 2011.

T. Davenport, S. Stevens, **K. Baroni**, JM VanNess, and C. Snell. Validity of Self-Report Measures for Health Perceptions in Individuals with Chronic Fatigue Syndrome. American Physical Therapy Association Combined Sections Meeting, New Orleans, February, 2011.

T. Davenport, S. Stevens, **M. Woo**, **B. Larson**, C. Snell, J.M. VanNess. Working Hard or Hardly Working? Preliminary Study of Effort Perception in Chronic Fatigue Syndrome. California Physical Therapy Association, San Diego, October, 2010.

T. Davenport, S. Stevens, **K. Baroni**, **H. Singh**, **K. Kumasaka**, C. Snell, D. Peterson, J.M. VanNess. Subjective Responses to a Repeated Maximal Exercise Test Paradigm in Individuals with Chronic Fatigue Syndrome and Non-Disabled Individuals. American Physical Therapy Association Combined Sections Meeting, San Diego, February, 2010.

H. Singh, **K. Kumasaka**, **R. Heckman**, C.R. Snell, S.R. Stevens and J. M. VanNess. A Scoring System to Aid in the Interpretation of Cardiopulmonary Exercise Test Results. ACSM annual Meeting, Seattle WA, May, 2009

K. Kumasaka, **H. Singh**, C.R. Snell, S.R. Stevens, D.L. Peterson and J.M. VanNess. A Closer Examination of Cardiopulmonary Test-Retest Effects in CFS Patients. IACFS/ME Annual Meeting, Reno, NV March 12-15, 2009.

H. Singh, **K. Kumasaka**, **R. Heckman**, C.R. Snell, S.R. Stevens, J. Montoya and J. M. VanNess. A Scoring System to Aid in the Interpretation of Cardiopulmonary Exercise Test Results. IACFS/ME Annual Meeting, Reno, NV March 12-15, 2009.

A. Caspero, S.R. Stevens, C.R. Snell and J. Mark VanNess. Usual Dietary Intake Among CFS Patients. IACFS/ME Annual Meeting, Reno, NV March 12-15, 2009.

A. Benzel, **K. Kumasaka**, C.R. Snell, S.R. Stevens, **H. Singh**, D. Peterson and J.M. VanNess. Measuring the Sympathoadrenal System's Response to Dynamic Exercise Using Acoustic Rhinometry in a Test-Retest Paradigm. IACFS/ME Annual Meeting, Reno, NV March 12-15, 2009.

K. Baroni, S.R. Stevens, H. Singh, **K. Kumasaka**, C.R. Snell, D. Peterson and J.M. VanNess. Measuring Fatigue Pre- and Post-Exercise Using the SF-36 and MFI-20 Health and Well-Being Surveys. IACFS/ME Annual Meeting, Reno, NV March 12-15, 2009.

J. M. VanNess, S.R. Stevens, **K. Kumasaka, H. Singh**, B. Keller, D. Peterson, J. Montoya and C.R. Snell. A Diagnostic Test for the Identification of Metabolic Dysfunction. IACFS/ME Annual Meeting, Reno, NV March 12-15, 2009.

C.R. Snell, S.R. Stevens, **H. Singh**, D. Peterson, L. Bateman and J.M. VanNess. Immunological Biomarkers Fails to Discriminate Between CFS and Control Subjects. IACFS/ME Annual Meeting, Reno, NV March 12-15, 2009.

M. Ciccolella, T. Boone, and J.M. VanNess. A Public at Risk: Personal Fitness Trainers without a Standard of Care. Sport and Recreation Law Association 22nd Annual Meeting, March 6-7; San Antonio, TX, 2009.

A. Kallman, J.M. VanNess, C. Snell and S. Stevens. Immunological Function in Male and Female CFS patients. Gender and Science Conference, University of the Pacific. May, 2008.

H Singh, T Stiles, K Kumasaka, SR Stevens, CR Snell and JM VanNess. A Scoring System to aid in the interpretation of cardiopulmonary exercise test results. SWACSM Annual Meeting, November, 2008.

A Booth, H Singh, S Stevens and JM VanNess. Cardiopulmonary test-retest variability in college-age female athletes. SWACSM Annual Meeting, Nov. 9-10, 2007.

B. Holmquist, H Singh, SR Stevens, CR Snell and JM VanNess. Detecting malingering on a reaction time test SWACSM Annual Meeting, Nov. 9-10, 2007.

A Kallman, H Singh, SR Stevens, CR Snell and JM VanNess. Dehydration and fluid shifts do not accompany the metabolic abnormality that exists in Chronic Fatigue Syndrome. SWACSM Annual Meeting, Nov. 9-10, 2007.

B. Mason, H Singh, SR Stevens, CR Snell and JM VanNess. Nasal acoustic rhinometry does not detect differences in sympathoadrenal activation in Chronic Fatigue Syndrome. SWACSM Annual Meeting, Nov. 9-10, 2007.

H Singh, T Stiles, SR Stevens, CR Snell and JM VanNess. Actigraphy and heart rate monitoring for characterization of post-exertional malaise in Chronic Fatigue Syndrome. SWACSM Annual Meeting, Nov. 9-10, 2007.

J.M VanNess, CR Snell, SR Stevens and **T.L. Stiles**. Metabolic and neurocognitive responses to an exercise challenge in CFS. *Med. Sci. Sports. Exerc.* 39(5), 2007.

CR Snell, SR Stevens, **T.L. Stiles** and J.M VanNess. Post-exertional symptomology in Chronic Fatigue Syndrome. *Med. Sci. Sports. Exerc.* 39(5), 2007.

J.M VanNess, CR Snell, SR Stevens, L. Bateman and **T.L. Stiles**. Metabolic and immune responses to exercise testing. *International Association for CFS*, January, 2007

CR Snell, SR Stevens, L. Bateman, **T.L. Stiles** and J.M VanNess. Using a reaction time paradigm to assess neurocognitive function in CFS. *International Association for CFS*, January, 2007.

SR Stevens, CR Snell, L. Bateman, **T.L. Stiles** and J.M VanNess. Post-exertional malaise following an exercise challenge. *International Association for CFS*, January, 2007

T.L. Stiles, SR Stevens, CR Snell, L. Bateman, and J.M VanNess. Intravenous saline administration improves physical functioning. *International Association for CFS*, January, 2007

M.E. Ciccolella, CR Snell, SR Stevens, **T.L. Stiles**, J.M VanNess. Chronic fatigue syndrome and the abnormal exercise stress test *International Association for CFS*, January, 2007

VanNess, JM, CR Snell, SR Stevens, L Bateman, BA Keller. Using serial cardiopulmonary exercise tests to support a diagnosis of Chronic Fatigue Syndrome. *Med. Sci. Sports. Exerc.* 38(5), 2006.

Snell, CR, JM VanNess, SR Stevens, L Bateman Intravenous saline administration improves physical functioning in a patient with Chronic Fatigue Syndrome. *Med. Sci. Sports. Exerc.* 38(5), 2006

Pratt, D., T.L. Stiles, C Jensen, S Stevens, JM VanNess. Intravenous saline improves physical capacity and improves extracellular water mass in a patient with Chronic Fatigue Syndrome. Pacific Undergraduate Research Conference, May 6, 2006

Snell, C.R., J. M. VanNess, D.R. Strayer, and S.R. Stevens. Exercise capacity and immune function in male and female Chronic Fatigue Syndrome Patients. *Med. Sci. Sports. Exerc.* 36(5), 2004.

VanNess, J.M., C.R. Snell, S.R. Stevens, **S. Phippen**, and D.R. Strayer. Impairment and gender differences in Chronic Fatigue Syndrome. *FASEB J.* 17(5):592.10, 2003.

VanNess, J.M., C.R. Snell, S. Phippen, D.R. Strayer, and S.R. Stevens. Anaerobic threshold for the determination of functional capacity in Chronic Fatigue Syndrome. *Med. Sci. Sports. Exerc.* 35(5): 1301, 2003.

Snell, C.R., J.M. VanNess, D.R. Strayer, and S.R. Stevens. Immune dysfunction and reduced oxygen consumption in patients with Chronic Fatigue Syndrome. *Med. Sci. Sports. Exerc.*, 35(5): 1302, 2003.

VanNess, J.M., C.R. Snell, S. West, D.R. Strayer, and S.R. Stevens. Gender, exercise capacity and Chronic Fatigue Syndrome. American Association for Chronic Fatigue Syndrome, January, 2003.

Snell, C.R., J.M. VanNess, S.R. Stevens, and W.L. Dempsey IV. The phenomenology of post-exertional malaise. American Association for Chronic Fatigue Syndrome, January, 2003.

Haywood, J.R., **T. Craig**, C. Hinojosa-Laborde, and J.M. VanNess. Sex differences in the expression of high sodium figure-8 renal wrap hypertension. *FASEB Journal*, 619.7, 2002.

Snell, C.R., J.M. VanNess, S.R. Stevens, W.L. Dempsey, and D.R. Strayer. Using American Medical Association guidelines for classification of disability in chronic fatigue syndrome. *Med. Sci. Sports. Exerc.* 34(5): 409, 2002.

Drummond, M.J., J.M. VanNess, M. Ciccolella, and S. West. Metabolic and biomechanical changes during controlled frequency breathing swimming. *Med. Sci. Sports. Exerc.* 34(5): 867, 2002.

VanNess, J.M., C.R. Snell, S.R. Stevens, D.M. Fredrickson, **R. Ellazar**, and D.R. Strayer. Do the results from cardiopulmonary exercise testing tell us anything about the pathology of CFS? Hemispherx Biopharma Investigators Meeting, February, 2001.

Snell, C.S., J.M. VanNess, S.R. Stevens, M.M. Eberhart, D.M. Fredrickson, **J. Benson**, D.R. Strayer, and W.A. Carter. Comparison of maximal oxygen consumption and RNase-L enzyme in patients with chronic fatigue syndrome. Hemispherx Biopharma Investigators Meeting, February, 2001.

- VanNess, J.M., C.R. Snell, S.R. Stevens, D.M. Fredrickson, **R. Ellazar**, and D.R. Strayer. Assessment of functional impairment by cardiopulmonary exercise testing in patients with chronic fatigue syndrome. American Association for Chronic Fatigue Syndrome, January, 2001.
- Snell, C.R., J.M. VanNess, S.R. Stevens, D.M. Fredrickson, and D.R. Strayer. RNase-L activity and physical performance in patients with chronic fatigue syndrome. American Association for Chronic Fatigue Syndrome, January, 2001.
- Snell, C.R., S.R. Stevens, and J.M. VanNess. Chronic fatigue syndrome, Ampligen, and quality of life: a phenomenological perspective. American Association for Chronic Fatigue Syndrome, January, 2001.
- Snell, C.S., J.M. VanNess, D.M. Fredrickson, D.R. Strayer, **K. Treutler**, **E. LaRosa**, and S.R. Stevens. Variability of repeated exercise testing in patients with chronic fatigue syndrome. *FASEB J.* 14(4): LB40, 2000.
- VanNess, J.M., C.R. Snell, D.M. Fredrickson, D.R. Strayer, **E. LaRosa**, **K. Treutler**, and S.R. Stevens. Exercise testing in patients with chronic fatigue syndrome (CFS)--Diagnostic tool? *FASEB J.* 14(4): LB41, 2000.
- VanNess, J.M., C. Hinojosa-Laborde and J.R. Haywood. Gender differences in sympathoadrenal support of blood pressure following sinoaortic deafferentation and renal wrap hypertension. *FASEB J.* 14(4): LB162, 2000.
- VanNess, J.M., N. Silva, C. Hinojosa-Laborde and J.R. Haywood. Females have attenuated arterial pressure and sympathoadrenal response to renal wrap while on a 4% salt diet. *FASEB J.* 14(4): LB161, 2000.
- VanNess, J.M., J.M. Overton, C. Hinojosa-Laborde and J.R. Haywood. Dietary restriction and dynamic exercise interact to influence blood pressure in spontaneously hypertensive rats. *FASEB J.* 13(5):788.9, 1999.
- Durgam, V., VanNess, J.M., J.R. Haywood, and S.W. Mifflin. Effect of sinoaortic denervation (SAD) on the expression of GABA α -1, NMDAR1 and GLUR1 mRNA in the caudal nucleus of the solitary tract (NTS) of renal wrap hypertensive rats. *FASEB J.* 13(5):129.12, 1999.
- Hinojosa-Laborde, C., **D. Lange**, J.M. VanNess and J.R. Haywood. Systolic blood pressure variability in four models of hypertension. *FASEB J.* 13(5):602.1, 1999.
- VanNess, J.M., V. Durgam, **T. Craig**, S.W. Mifflin and J.R. Haywood. Sinoaortic denervation reduces mRNA expression of the NMDAR1 and GABA α -1 receptor subunits in the PVN of renal wrap hypertensive rats. *Physiologist*, 41(5):11.5, 1998.
- VanNess, J.M., T. Craig, C. Hinojosa-Laborde, J.R. Haywood. The effect of sinoaortic deafferentation on renal wrap hypertension. *Hypertension* 32(3):P73, 1998.
- Khosheui, H.**, A. Tharian, S.R. Broussard, M.P. Johnson, J.M. VanNess, and L.F. Kolakowski. Characterization of stable cell lines and divalent metal ion binding to rat GALR1 and human GALR2 receptor subtypes. *Soc. Neurosci.* 24:626.1, 1998.
- VanNess, J.M., **T. Craig**, C. Hinojosa-Laborde, J.R. Haywood. Angiotensin-glutamatergic interactions in the paraventricular hypothalamic nucleus. *FASEB J.* 12(4):381, 1998.
- J.A. Hackmeyer**, J.M. VanNess, R.M. Casto, and J.M. Overton. Experimental diabetes acutely reduces neural support of blood pressure in the SHR. *FASEB J.* 12(5):5699, 1998.
- J.M. Overton, J.M. VanNess, R.M. Casto and A.N. Reiprecht. Does increased hypothalamic NPYergic activity decrease blood pressure during fasting? *FASEB J.* 12(5):374, 1998.

- VanNess, J.M., R.M. Casto, M.A. Jones, J. Hackmeyer and J.M. Overton. Hypothalamic administration of NPY antagonist raises blood pressure in food restricted hypertensive rats. *Soc. Neurosci.* 23:168.19, 1997.
- Casto, R.M., V. McGehee, J.M. VanNess, M.A. Jones, J. Hackmeyer and J.M. Overton. Central leptin administration raises blood pressure in normotensive rats. *Soc. Neurosci.* 23:169.8, 1997.
- VanNess, J.M. R.M. Casto, M.A. Jones and J.M. Overton. Food restriction attenuates the blood pressure response to PVN lesions in aortic coarctation hypertension. *FASEB J.* 11(3):289, 1997.
- Jones, M.A., J.M. VanNess and J.M. Overton. Short-term food deprivation reduces blood pressure of spontaneously hypertensive rats. *FASEB J.* 11(3):2702, 1997.
- Overton, J.M., J.M. VanNess, R.M. Casto and M.A. Jones. Diet and exercise-associated negative energy balance decreases blood pressure of spontaneously hypertensive rats. *Physiologist* 39(5):8.29, 1996.
- Takata, H.J., J.M. VanNess, M. Casto and J.M. Overton. Effect of central 6-hydroxydopamine administration on cardiovascular and metabolic responses to treadmill running in rats. *FASEB J.*, vol. 10, 1996.
- VanNess, J.M., M.E. Freeman and J.M. Overton. Enhanced cardiac baroreflex and attenuated isoproterenol responsiveness following food restriction in aortic coarctation hypertension. *Soc. Neurosci.* 22:251.17, 1996.
- Casto, R.M., J.M. VanNess, and J.M. Overton. Influence of food restriction on blood pressure regulation in normotensive rats. *FASEB J.* 10(3):3662, 1996.
- Overton, J.M., J.M. VanNess, and R.M. Casto. Food restriction reduces sympathetic support of blood pressure in spontaneously hypertensive rats (SHR). *FASEB J.* 10(3):3659, 1996.
- VanNess, J.M., R.M. Casto, J.M. Overton. Food restriction lowers sympathetic support of blood pressure in aortic coarctation hypertension. *FASEB J.* 10(3):3660, 1996.
- Baldini, F.D., J.M. VanNess, I. Faria, and B. Edwards. Lactate and metabolic responses to exercise in competitive wheelchair athletes. *Med. Sci. Sports Exerc.* (27)(5):471, 1995.
- Baldini, F.D., A.G. Soule-Miller, J.M. VanNess, and R.A. Cooper. The relationship between performance variables and 10K race time in elite wheelchair athletes. *Med. Sci. Sports. Exerc.* 27(5):465,1995.
- Takata, H.J., J.M. VanNess, and J.M. Overton. Central beta-₂ adrenoceptor antagonism attenuates heart rate and glucose responses to exercise. *FASEB J.* 9(3):247, 1995.
- Overton, J.M., J.M. VanNess, and H.J. Takata. Cardiovascular effects of daily volitional exercise in Dahl-salt sensitive rats. *Med. Sci. Sports Exerc.* 25(2):534,1995.
- VanNess, J.M., H.J. Takata, and J.M. Overton. Acute exercise attenuates alpha-adrenoceptor responsiveness in Dahl-salt sensitive rats. *Med. Sci. Sports Exerc.* 25(2): 538, 1995.
- Parker, D.L., I.E. Faria, E.W. Faria, and J.M. VanNess. Effect of cytochrome C supplementation on VO₂ peak, blood lactate, ventilatory anaerobic threshold, and exercise duration. Southwest ACSM oral presentation, Nov. 1994.
- VanNess J.M., F. Baldini, I. Faria, B. Edwards. Lactate and metabolic responses to controlled frequency breathing during graded tethered swimming. Southwest ACSM oral presentation, Nov. 1992.

VanNess J.M., J. Avalos, C.A. Trampe, G.P. Town. Physiological responses to plyometric exercising on trained volley players. *Med. Sci. Sports Exerc.* 22(2) :51, 1990.

VanNess J.M., G. Town. Controlled frequency breathing does not alter blood lactate in competitive swimmers. *Med. Sci. Sports Exerc.* 21(2): 104, 1989.

Hohm S.H., G.P. Town, and J.M. VanNess. Comparison of swim testing techniques to assess VO₂ max in trained swimmers. *Med. Sci. Sports Exerc.* 20(2): 81, 1988.

GRANT PROPOSALS:

Cornell ME/CFS Collaborative Research Center. Agency: NINDS, Project: 1U54NS105541-01. \$9.7 million over 5 years. My role is to serve as the coordinator for CPET methodology across all three testing sites and interpret outcome variables. September, 2017 to August, 2022.

Exploring Host Gene Expression during Post-Exertional Symptom Flare in ME/CFS. PI is David Patrick, MD, University of British Columbia. 1R21NS088166-01 – I served as a consultant, August 15, 2014 – **Funded**--\$196,179.

Post-Exertional Pathophysiology in CFIDS. CFIDS Association of America. April 2006, **Funded**--\$65,000.

Elastase Activity and Antiviral Abnormalities in Patients with Chronic Fatigue Syndrome. R. Harold Burton Foundation. August, 2005, **Funded** --\$5,000.

Using an Exercise Challenge to Investigate the Pathophysiology of CFIDS. CFIDS Association of America. April, 2004, **Funded**--\$80,000.

Serial Cardiopulmonary Exercise Testing to Elucidate Causes of Post-Exertional Malaise in Patients with CFS. R. Harold Burton Foundation. February, 2004, Requested \$20,000.

Exercise Therapy in CFS and the Problem of Post-Exertional Malaise. A collaborative effort of the Centers for Disease Control and Prevention, the CFIDS Association of America and the University of the Pacific. Awarded \$2,500 to develop educational materials and provided with travel expenses and honoraria to speak at conferences attended by health professionals. Awarded Feb. 24, 2004.

Cardiovascular, Immune, Sympathetic and Neurological Function in CFS. The CFIDS Association of America. September, 2002. Requested \$79,857.

Interactions Between Various Bodily Systems and FMS/CFS Symptomology. American Fibromyalgia Syndrome Association, Inc. October, 2002. Requested \$46,910.

Rehabilitation Strategies in Chronic Fatigue Syndrome. National Institute of Disability and Disease Rehabilitation. November, 2001. Requested \$401,020.

Rehabilitation Strategies in Chronic Fatigue Syndrome. U.S. Department of Education. November, 2001. Requested \$401,020.

Does Endurance Exercise Stimulate Basic Fibroblast Growth Factor to Provide a Cardioprotective Influence During Cardiac Hypertrophy? Eberhardt Summer Research Fellowship. **Funded**--\$3,500, 2000.

Angiotensin Modulates Sympathoadrenal Responsiveness. Department of Health and Human Services National Research Service Award. **Funded**--\$142,000, 1998.

Interaction of Angiotensin and GABA in Control of Sympathoadrenal Activation. University of Texas Health Science Center, Barbara Bowman Postdoctoral Fellowship. **Funded**--\$1,000, 1998.

The Influence of Dietary Interventions in Hypothalamic Control of Sympathoadrenal Activation. College of Human Sciences Dissertation Award Fellowship. **Funded**--\$500, 1997.

Anti-hypertensive mechanisms of negative energy balance (10% co-investigator). National Heart Lung and Blood Institute. **Funded**--\$152,049, 1997.

The Role of Exercise Training in the Control of Sympathoadrenal Activity in Hypertension. Florida State University Graduate Research Award. **Funded**--\$600, 1996.

Neuropeptide Yergic Mechanisms Alter Autonomic Control of Cardiovascular Function During Negative Energy Balance. American Heart Association, Graduate Student Research Fellowship. **Funded**--\$32,000, 1995-1997.

Interactive Modulation of Sympathoadrenal and Cardiovascular Regulation by Food Restriction and Aging. American Federation for Aging Research. **Seed funded**--\$1,750 with no renewal, 1994.

PROFESSIONAL AFFILIATIONS

American Physiological Society 1993-2006

American College of Sports Medicine 1988-present

International/American Association of Chronic Fatigue Syndrome 2001-present

Kappa Omicron Nu--O Pi Chapt 1996-present

Society for Neuroscience 1996-2004

PROFESSIONAL SERVICE

NIH Review Panel:

RPG review, Fall, 2016, 2017 and 2018

RPG review, Fall, 2013

RPG review, Fall, 2012

RPG review, Fall, 2011

RPG review, Fall, 2010

Chronic Fatigue Syndromes: ZRG1, CFS-M – IAR, Fall 2011

Editorial Board: Journal of Women's Health

Ad hoc reviewer

Journal of Translational Medicine, 2017, 2018-present

Journal of Women's Health, 2013, 2017, 2018-present

American Physiological Society, AJP Regulatory 1997-2006

Journal of Chronic Fatigue Syndrome 2004-2015

Journal of Applied Physiology 1994-1999, 2002

Medicine and Science in Sports and Exercise 1998, 2001- 2002, 2004-2007

British Journal of Medicine, 2001

Clinical and Experimental Hypertension 1997-2000

Biomedical Central, Physiology 2004-2005

The Physiologist, 1999

Journal of Health Psychology, 2009-2011, 2013.