

CURRICULUM VITAE

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Dan Cannon
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EDUCATION/TRAINING

05/2012 – 01/2015 Postdoctoral Fellowship	LA Biomedical at Harbor-UCLA Medical Center Physiology & Medicine
07/2012 Doctor of Philosophy	University of Leeds Physiology
05/2008 Master of Science	San Diego State University Exercise Physiology
05/2006 Bachelor of Science	San Diego State University Kinesiology

ACADEMIC POSITIONS

08/2019 – present San Diego State University	Associate Professor Physiology
01/2015 – 08/2019 San Diego State University	Assistant Professor Physiology

REFEREED JOURNAL ARTICLES (h-index¹=18; citations=1124²; *co-first authors; student authors underlined)

1. Leslie E, Erram J, **Cannon DT**. Heat stress and the velocity-duration relationship in amateur runners. *Physiol Reports* 12(16): e70013, 2024. Thomson Reuters JCR Ranking 39/85 Physiology, Acceptance rate 77%, 5-yr Impact Factor 2.4
2. Indralingam C, Gutierrez-Gonzalez A, Johns S, Tsui T, **Cannon DT**, Fuster M, Bigby TD, Jennings PA, Breen EC. IL-33/ST2 receptor-dependent signaling in the development of pulmonary hypertension in Sugen/hypoxia mice. *Physiol Reports* 10(3): e15185, 2022. Thomson Reuters JCR Ranking 43/83 Physiology, Acceptance rate not disclosed, 5-yr Impact Factor 2.4
3. **Cannon DT**, Nogueira L, Gutierrez-Gonzales A, Gilmore NK, Bigby TD, Breen EC. Role of IL-33 receptor (ST2) deletion in diaphragm contractile and mitochondrial function in the Sugen5416/hypoxia model of pulmonary hypertension. *Respir Physiol Neurobiol* 295: 103783, 2022. Thomson Reuters JCR Ranking 57/64 Respiratory System, Acceptance rate 36%, 5-yr Impact Factor 1.9
4. *Erram J, *Bari M, Domingo A, **Cannon DT**. Pulmonary function with expiratory resistive loading in healthy volunteers. *PLoS One* 16(6): e0252916, 2021. Thomson Reuters JCR Ranking 26/73 Multidisciplinary Sciences, Acceptance rate 43%, 5-yr Impact Factor 3.2
5. Davies MJ, Lyall GK, Benson AP, **Cannon DT**, Birch KM, Rossiter HB, Ferguson C. Power reserve at intolerance in ramp-incremental exercise is dependent on incrementation rate. *Med Sci Sports Exerc* 53(8): 1606-1614, 2021. Thomson Reuters JCR Ranking 9/85 Sports Science, Acceptance rate 23%, 5-yr Impact Factor 4.0
6. Sadler C, Brett K, Heerboth A, Swisher AR, Mehregani N, Touriel R, **Cannon DT**. Breath-hold time limit recommendations for free diving do not consider the metabolic-rate dependence of oxygen stores depletion. *Diving Hyperb Med* 50(4): 356-362, 2020. Thomson Reuters JCR Ranking 138/193 Public, Environmental & Occupational Health, Acceptance rate not disclosed, 5-yr Impact Factor 1.5
7. Gnaiger E *et al.* MitoEAGLE Task Group. Mitochondrial physiology. *Bioenerg Commun* 2020.1, 2020.
8. **Cannon DT**, Rodewohl L, Adams V, Breen EC, Bowen TS. Skeletal myofiber VEGF deficiency leads to mitochondrial, structural and contractile alterations in mouse diaphragm. *J Appl Physiol* 127(5): 1360-1369, 2019. Thomson Reuters JCR Ranking 8/81 Sports Science, Acceptance rate 24%, 5-yr Impact Factor 3.5

¹Hirsch JE. An index to quantify an individual's scientific research output. *Proc Natl Acad Sci* 102(46):16569-16572, 2005

²Source: *Google Scholar* (<http://scholar.google.com/citations?user=XgWnBZ8AAAAJ>)

9. *Yong S, *Swisher AR, Ferguson C, **Cannon DT**. Maximal sustained isokinetic power at exercise intolerance is not critical power. *Int J Sports Med* 40(10): 631-638, 2019. Thomson Reuters JCR Ranking 36/83 Sports Sciences, Acceptance rate not disclosed, 5-yr Impact Factor 2.1
10. *Swisher AR, *Koehn B, Yong S, Cunha J, Ferguson C, **Cannon DT**. Dynamics of locomotor fatigue during supra-critical power exercise. *Med Sci Sports Exerc* 51(8):1720-1726, 2019. Thomson Reuters JCR Ranking 7/81 Sports Sciences, Acceptance rate 23%, 5-yr Impact Factor 4.3
11. Davies MJ, Benson AP, **Cannon DT**, Marwood S, Kemp GJ, Rossiter HB, Ferguson C. Dissociating external power from intramuscular exercise intensity during intermittent bilateral knee-extension in humans. *J Physiol* 595(21): 6673-6686, 2017. Contributions: Design, data interpretation, critical revision. Thomson Reuters JCR Ranking 9/84 Physiology, Acceptance rate 28%, 5-yr Impact Factor 4.9
12. ***Cannon DT**, *Coelho AC, Cao R, Cheng A, Porszasz J, Casaburi R, Rossiter HB. Skeletal muscle power and fatigue at the tolerable limit of ramp-incremental exercise in COPD. *J Appl Physiol* 121(6): 1365-1373, 2016. Thomson Reuters JCR Ranking 8/81 Sports Science, Acceptance rate 24%, 5-yr Impact Factor 3.5
13. **Cannon DT**, Liu J, Sakurai R, Rossiter HB, Rehan VK. Impaired lung mitochondrial respiration following perinatal nicotine exposure in rats. *Lung* 194(2): 325-328, 2016. Thomson Reuters JCR Ranking 37/58 Respiratory, Acceptance rate not disclosed, 5-yr Impact Factor 2.0
14. Ferguson C, **Cannon DT**, Wylde LA, Benson AP, Rossiter HB. Power-velocity and power-efficiency implications in the limitation of ramp incremental cycle ergometry. *J Appl Physiol* 120(4): 477, 2016. Contributions: Design, data collection, data interpretation, manuscript drafting, critical revision. Thomson Reuters JCR Ranking 8/81 Sports Science, Acceptance rate 24%, 5-yr Impact Factor 3.5
15. Ferguson C, Wylde LA, Benson AP, **Cannon DT**, Rossiter HB. No reserve in maximal voluntary cycling power at the limit of tolerance using isokinetic ergometry. Design, data collection, data interpretation, manuscript drafting, critical revision. *J Appl Physiol* 120(1): 70-77, 2016. Thomson Reuters JCR Ranking 8/81 Sports Science, Acceptance rate 24%, 5-yr Impact Factor 3.5
16. Buono MJ, Stone M, **Cannon DT**. Leaching from the stratum corneum does not explain the previously reported elevated potassium ion concentration in sweat. *J Basic Clin Physiol Pharmacol* 27(2): 171-173, 2016. Thomson Reuters JCR Ranking 224/329 Pharmacology, Acceptance rate not disclosed, 5-yr Impact Factor 1.4
17. Adami A, Koga S, Kondo N, **Cannon DT**, Kowalchuk JM, Amano T, Rossiter HB. Changes in whole tissue heme concentration dissociates muscle deoxygenation from muscle oxygen extraction during passive head-up tilt. *J Appl Physiol* 118(9): 1091-1099, 2015. Contributions: Design, data interpretation, critical revision. Thomson Reuters JCR Ranking 12/82 Sports Science, Acceptance rate 24%, 5-yr Impact Factor 3.4

18. *Coelho AC, ***Cannon DT**, Cao R, Porszasz J, Casaburi R, Knorst MM, Rossiter HB. Instantaneous quantification of skeletal muscle activation, power production, and fatigue during cycle ergometry. *J Appl Physiol* 118(5): 646-654, 2015. Thomson Reuters JCR Ranking 12/82 Sports Science, Acceptance rate 24%, 5-yr Impact Factor 3.4
19. **Cannon DT**, Bimson WE, Hampson SA, Bowen TS, Murgatroyd SR, Marwood S, Kemp GJ, Rossiter HB. Skeletal muscle ATP turnover by ³¹P magnetic resonance spectroscopy during moderate and heavy bilateral knee-extension. *J Physiol* 592(23): 5287-5300, 2014. Thomson Reuters JCR Ranking 5/83 Physiology, Acceptance rate 28%, 5-yr Impact Factor 5.1
20. Murgatroyd SR, Wylde LA, **Cannon DT**, Ward SA, Rossiter HB. A 'ramp-sprint' test characterizes the indices of aerobic function and exercise intensity domains in humans. *Eur J Appl Physiol* 114(9): 1863-1874, 2014. Contributions: Design, data collection, data interpretation, critical revision. Thomson Reuters JCR Ranking 21/81 Sports Science, Acceptance rate not disclosed, 5-yr Impact Factor 2.6
21. **Cannon DT**, Howe FA, Whipp BJ, Ward SA, McIntyre DJ, Ladroue C, Griffiths JR, Kemp GJ, Rossiter HB. Muscle metabolism and activation heterogeneity by combined ³¹P chemical shift and T2 imaging, and pulmonary O₂ uptake during incremental knee-extensor exercise. *J Appl Physiol* 115(6): 839-849, 2013. Thomson Reuters JCR Ranking 7/81 Sports Science, Acceptance rate 24%, 5-yr Impact Factor 4.2
22. Bowen TS, **Cannon DT**, Begg G, Baliga V, Witte KK, Rossiter HB. A novel cardiopulmonary exercise test protocol and criterion to determine maximal oxygen uptake in chronic heart failure. *J Appl Physiol* 113(3): 451-458, 2012. Contributions: Design, data collection, data analysis, data interpretation, critical revision. Thomson Reuters JCR Ranking 7/84 Sports Science, Acceptance rate 24%, 5-yr Impact Factor 4.2
23. Bowen TS, **Cannon DT**, Murgatroyd SR, Birch KM, Witte KK, Rossiter HB. The intramuscular contribution to the slow oxygen uptake kinetics during exercise in chronic heart failure is related to the severity of the condition. *J Appl Physiol* 112(3): 378-387, 2012. Contributions: Design, data collection, data analysis, data interpretation, critical revision. Thomson Reuters JCR Ranking 7/84 Sports Science, Acceptance rate 24%, 5-yr Impact Factor 4.2
24. Makni E, Moalla W, Lac G, Aouichaoui C, **Cannon D**, Elloumi M, Tabka Z. The Homeostasis Model Assessment-adiponectin (HOMA-AD) is the most sensitive predictor of insulin resistance in obese children. *Ann Endocrinol* 73(1): 26-33, 2012. Contributions: Data interpretation, critical revision. Thomson Reuters JCR Ranking 107/122 Endocrinology and Metabolism, Acceptance rate not disclosed, 5-yr Impact Factor 1.0
25. Bowen TS, Murgatroyd SR, **Cannon DT**, Cuff TJ, Lainey AF, Marjerrison AD, Spencer MD, Benson AP, Paterson DH, Kowalchuk JM, Rossiter HB. A raised metabolic rate slows pulmonary O₂ uptake kinetics on transition to moderate-intensity exercise in humans independently of work rate. *Exp Physiol* 96(10): 1049-1061, 2011. Contributions: Design, data collection, data analysis, data interpretation, critical revision. Thomson Reuters JCR Ranking 24/79 Physiology, Acceptance rate 22%, 5-yr Impact Factor 3.2

26. **Cannon DT**, White AC, Andriano MF, Kolkhorst FW, Rossiter HB. Skeletal muscle fatigue precedes the slow component of oxygen uptake kinetics during exercise in humans. *J Physiol* 583(3): 727-739, 2011. Thomson Reuters JCR Ranking 7/79 Physiology, Acceptance rate 28%, 5-yr Impact Factor 5.0
27. Cubbon RM, Murgatroyd SR, Ferguson C, Bowen TS, Rakobowchuk M, Baliga V, **Cannon D**, Rajwani A, Abbas A, Kahn M, Birch KM, Porter KE, Wheatcroft SB, Rossiter HB, Kearney MT. Human exercise-induced circulating progenitor cell mobilization is nitric oxide-dependent and is blunted in South Asian men. *Arterioscler Thromb Vasc Biol* 30(4): 878-884, 2010. Contributions: Data collection, data analysis, data interpretation, critical revision. Thomson Reuters JCR Ranking 3/68 Peripheral Vascular Disease, Acceptance rate 18%, 5-yr Impact Factor 7.5
28. **Cannon DT**, Kolkhorst FW, Buono MJ. On the determination of ventilatory threshold and respiratory compensation point via respiratory frequency. *Int J Sports Med* 30(3): 157-162, 2009. Thomson Reuters JCR Ranking 27/73 Sports Science, Acceptance rate not disclosed, 5-yr Impact Factor 2.0
29. Cheng MH, Bushnell D, **Cannon DT**, Kern M. Appetite regulation via exercise prior or subsequent to meal consumption. *Appetite* 52(1): 193-198, 2009. Contributions: Data analysis, data interpretation, manuscript drafting, critical revision. Thomson Reuters JCR Ranking 24/66 Nutrition and Dietetics, Acceptance rate not disclosed, 5-yr Impact Factor 3.0
30. Kern M, Broder HD, Edmondson JI, **Cannon DT**. Diet composition does not alter energy expenditure, substrate metabolism or excess post-exercise oxygen consumption in healthy, non-exercise trained women. *Nutr Res* 27(11): 665-671, 2007. Thomson Reuters JCR Ranking 51/56 Nutrition and Dietetics, Acceptance rate not disclosed, 5-yr Impact Factor 1.0
31. **Cannon DT**, Kolkhorst FW, Cipriani DJ. Electromyographic data do not support a progressive recruitment of muscle fibres during exercise exhibiting a VO₂ slow component. *J Physiol Anthropol* 26(5): 541-546, 2007. Thomson Reuters JCR Ranking 83/288 Anthropology, Acceptance rate not disclosed, 5-yr Impact Factor 1.7
32. **Cannon DT**, Grout SL, May CA, Strom SD, Wyckoff KG, Cipriani DJ, Buono MJ. Recruitment of the serratus anterior as an accessory muscle of ventilation during graded exercise. *J Physiol Sci* 57(2): 127-131, 2007. Thomson Reuters JCR Ranking 69/78 Physiology, Acceptance rate not disclosed, 5-yr Impact Factor 0.7
33. **Cannon DT**, Kolkhorst FW, Cipriani DJ. Effect of pedaling technique on muscle activity and cycling efficiency. *Eur J Appl Physiol* 99(6): 659-664, 2007. Thomson Reuters JCR Ranking 14/72 Sports Science, Acceptance rate not disclosed, 5-yr Impact Factor 2.1

REFEREED PROCEEDINGS

1. Pierce SP, **Cannon DT**, Nogueira L. Diaphragm force and mitochondrial function following enhanced nitric oxide availability during mechanical ventilation. *Exerc Sci Conf Proc* 872, 2024.

2. Fahey MJ, **Cannon DT**. Handlebar width does not affect spirometry, ventilation, or gas exchange. *Int J Exerc Sci Conf Proc* 14(3): 132, 2023.
3. Pierce SP, **Cannon DT**, Nogueira L. Diaphragm force and mitochondrial function *ex vivo* following GNSNOR inhibition *in vivo* preceding mechanical ventilation. *Int J Exerc Sci Conf Proc* 14(3): 89, 2023.
4. Simon VP, Hammett AM, Hicks EB, O'Neal TC, Larson MC, **Cannon DT**. A fast-start pacing strategy does not improve locomotor fatigue dynamics but does improve supra-critical power work capacity. *FASEB J* 35(S1), 2021.
5. Erram J, Bari M, **Cannon DT**. Measuring airway resistance and characterizing the flow-volume envelope with external expiratory loading in healthy adults. *FASEB J* 34(S1), 2020.
6. Bari M, Erram J, **Cannon DT**. Imposed expiratory resistance and pulmonary function in young healthy volunteers. *FASEB J* 34(S1), 2020.
7. Bari M, Erram J, **Cannon DT**. Imposed expiratory resistance and pulmonary function in young healthy volunteers. *Proc Physiol Soc* 43, PC131, 2019.
8. Leslie E, Erram J, **Cannon DT**. Heat stress and the velocity-duration relationship: implications for middle distance and endurance running performance. *Integrative Physiology of Exercise* 2018.
9. Sadler C, Brett K, Heerboth A, Swisher A, Mehregani N, Touriel R, **Cannon DT**. Hypoxia is not reliably prevented by setting a 60 second apnea limit during exercise: the failure of the “one minute rule” for free diving. *Second Tricontinental Conference on Diving and Hyperbaric Medicine*.
10. Davies MJ, Benson AP, Birch KM, **Cannon DT**, Ferguson C. Limitations to high-intensity exercise tolerance: implications of the task demands. *Proc Physiol Soc* 41, C053, 2018.
11. **Cannon DT**, Rodewohl L, Adams V, Breen EC, Bowen TS. Skeletal myofiber VEGF-A-targeted gene deletion induces mitochondrial, structural and contractile alterations in mouse diaphragm. *FASEB J* 32(S1): 589.10, 2018.
12. Adami A, **Cannon DT**, Kwan DJ, Calmelat RA, Coelho AC, Porszasz J, Casaburi R, Rossiter HB. Whole-body aerobic capacity is associated with locomotor muscle oxidative capacity across a wide range of function from COPD patients to young healthy controls. *Am J Respir Crit Care Med* 197: A4325, 2018.
13. van der Vaart H, Adami A, Barsingerhorn M, Gorek-Dilektasli A, Oenema B, Cao R, Calmelat R, Rossiter HB, **Cannon DT**, Casaburi R, Porszasz J. Sinusoidal high intensity exercise training in patients with COPD and healthy controls. *Am J Respir Crit Care Med* 197: A2454, 2018.

14. Tiffany C, Gutierrez-Gonzales A, Tsui T, Lerner AD, Bigby TD, Breen EC, **Cannon DT**. Skeletal muscle mitochondrial dysfunction and IL-33 receptor (ST2) gene deletion in a mouse model of pulmonary hypertension. *The Physiologist* 60(6): 463, 2017.
15. Wickman BE, Sasaki KG, Torrecillas-Sanchez E, **Cannon DT**. Imposed expiratory resistance, hyperinflation, and dyspnea are dissociated from locomotor fatigue during moderate exercise. *FASEB J* 31(S1): 909.9, 2017.
16. Yong S, Swisher A, Ferguson C, **Cannon DT**. Does maximal isokinetic power at exercise intolerance approximate critical power? *FASEB J* 31(S1): 707.15, 2017.
17. Swisher A, Koehn B, Yong S, Cunha J, Ferguson C, **Cannon DT**. Dynamics of locomotor fatigue during supra-critical power exercise in humans. *FASEB J* 31(S1): 707.11, 2017.
18. Gutierrez-Gonzalez AK, Lerner AD, Tsui C, Lee J, **Cannon DT**, Bigby TD, Breen EC. Role of the interleukin-33-ST2 pathway in the development of mouse Sugen/hypoxia-induced pulmonary hypertension. Center for Physiological Genomics of Low Oxygen (CPGLO) Summit, Scripps Institute and UCSD, March 2017.
19. Rossiter HB, Coelho AC, **Cannon DT**, Cao R, Casaburi R, Porszasz J. Greater loss of peak aerobic power than peak power in COPD: Implications for rehabilitation. *Am J Respir Crit Care Med* 193: A2622, 2016.
20. Cheng A, **Cannon DT**, Coelho AC, Cao R, Porszasz J, Casaburi R, Rossiter HB. Peak aerobic power in COPD is predominantly constrained by central fatigue. *Am J Respir Crit Care Med* 193: A2624, 2016.
21. **Cannon DT**, Gutierrez A, Tsui T, Lerner AD, Breen EC, Bigby TD. IL-33 receptor gene deletion and skeletal muscle abnormalities in a mouse model of pulmonary arterial hypertension. Center for Physiological Genomics of Low Oxygen (CPGLO) Summit, UCSD, May 2016.
22. Gutierrez A, Lerner AD, Tsui T, **Cannon DT**, Breen EC, Bigby TD. Interleukin 33 and Myd88 participate in the development of pulmonary arterial hypertension in a mouse model. Center for Physiological Genomics of Low Oxygen (CPGLO) Summit, UCSD, May 2016.
23. Witte T, Wong F, Lee J, Fine J, Gutierrez A, Bigby TD, **Cannon DT**, Breen EC. Locomotor and diaphragm muscle mitochondrial oxidative capacity in lung-targeted VEGF gene deleted mice exposed to cigarette smoke. *FASEB J* 30(S1): 724.9, 2016.
24. **Cannon DT**, Gutierrez A, Tsui T, Lerner AD, Breen EC, Bigby TD. IL-33 receptor gene deletion and skeletal muscle abnormalities in a mouse model of pulmonary arterial hypertension. *FASEB J* 30(S1): 1245.16, 2016.
25. Cunha J, Benedict P, Domingo A, Kolkhorst FW, Rossiter HB, **Cannon DT**. Expiratory flow limitation, dynamic hyperinflation, and locomotor power and fatigue. *FASEB J* 30(S1): 761.17, 2016.

26. Rossiter HB, Coelho AC, Cao R, Porszasz J, Casaburi R, **Cannon DT**. Muscle fatigue does not limit cycling exercise performance in chronic obstructive pulmonary disease. *Med Sci Sports Exerc* 47(5): S266, 2015.
27. Adami A, Cao R, Diaz N, **Cannon DT**, Porszasz J, Casaburi R, Rossiter HB. Deconditioning or myopathy? Inactivity is the predominant cause of low muscle oxidative capacity in COPD. *Med Sci Sports Exerc* 47(5): S2684, 2015.
28. **Cannon DT**, Phung TT, Lee C, Nguyen K, Parziale NJ, Chen R, Rossiter HB, Roberts CK. Effects of resistance training on skeletal muscle mitochondrial oxidative capacity in sedentary, obese young adults. *Med Sci Sports Exerc* 47(5): S1518, 2015.
29. Ferguson C, Davies MJ, Benson AP, Bimson WE, **Cannon DT**, Marwood S, Kemp GJ, Rossiter HB. Dissociation between external power and muscle metabolism during intermittent bi-lateral knee-extensor exercise. *Med Sci Sports Exerc* 47(5): S818, 2015.
30. **Cannon DT**, Coelho AC, Cao R, Porszasz J, Casaburi R, Rossiter HB. Supplemental oxygen improves exercise tolerance without affecting muscle fatigue in moderate to severe COPD. *Am J Respir Crit Care Med* 191: A5301, 2015.
31. Adami A, Cao R, Diaz N, **Cannon DT**, Porszasz J, Casaburi R, Rossiter HB. Low skeletal muscle oxidative capacity in COPD is better explained by physical inactivity than disease severity. *Am J Respir Crit Care Med* 191: A5298, 2015.
32. **Cannon DT**, Bimson WE, Hampson SA, Bowen TS, Murgatroyd SR, Marwood S, Kemp GJ, Rossiter HB. Skeletal muscle ATP turnover by ³¹P magnetic resonance spectroscopy during moderate and heavy bilateral knee-extension. *Proc Physiol Soc* 31, PCA143, 2014.
33. Coelho AC, **Cannon DT**, Cao R, Ferguson C, Casaburi R, Porszasz J, Rossiter HB. A new method for instantaneous quantification of leg muscle fatigue during cycle ergometry. *FASEB J* 28(S1): LB797, 2014.
34. **Cannon DT**, Liu J, Sakurai R, Rossiter HB, Rehan VK. Impaired lung mitochondrial oxidative capacity following perinatal nicotine exposure in rats. *FASEB J* 28(S1): 1159.2, 2014.
35. **Cannon DT**, Cao R, Kiledjian R, Porszasz J, Casaburi R, Rossiter HB. Non-invasive assessment of skeletal muscle oxidative capacity and vasoreactivity in COPD by near-infrared spectroscopy. *Am J Respir Crit Care Med* 189: A4151, 2014.
36. Adami A, Koga S, Kondo N, **Cannon DT**, Kowalchuk JM, Amano T, Rossiter HB. Relationships among muscle deoxygenation, total heme concentration by TRS-NIRS, and blood flow during head-up tilt. *Med Sci Sports Exerc* 46(5): S2775, 2014.

37. Ferguson C, Wylde LA, **Cannon DT**, Benson AP, Rossiter HB. No reserve in maximal voluntary cycling power at the limit of tolerance using isokinetic ergometry. *Med Sci Sports Exerc* 45(5): S598, 2013.
38. **Cannon DT**, Bowen TS, Murgatroyd SR, Bimson WE, Rossiter HB, Kemp GJ. ATP turnover and the coupling of mitochondrial oxidative phosphorylation during dynamic exercise in humans: a study combining skeletal muscle ³¹P MRS and breath-by-breath gas exchange measurements. *MAGMA* 25(S1), 2012.
39. **Cannon DT**, Bowen TS, Murgatroyd SR, Bimson WE, Kemp GJ, Rossiter HB. ATP turnover and the coupling of mitochondrial oxidative phosphorylation during dynamic exercise in humans. *Med Sci Sports Exerc* 44(5): S2206, 2012.
40. Murgatroyd SR, Ferguson C, **Cannon DT**, Bowen TS, Wylde LA, Porszasz J, Rossiter HB. Quantifying physiological benefit from improvements in exercise tolerance. *Med Sci Sports Exerc* 44(5): S2367, 2012.
41. Bowen TS, **Cannon DT**, Begg G, Baliga V, Rossiter HB, Witte KK. A novel cardiopulmonary exercise test protocol and criterion to determine maximal oxygen uptake in chronic heart failure patients. *Eur Heart J* 32: S1033, 2011.
42. Murgatroyd SR, Wylde LA, **Cannon DT**, Rossiter HB. An exercise test to characterise the domains of aerobic function in humans. *Proc Physiol Soc* 23, PC200, 2010. *Runner-up, The Physiological Society Poster Prize*
43. Bowen TS, **Cannon DT**, Begg G, Baliga V, Witte KK, Rossiter HB. A test to confirm maximal oxygen uptake in chronic heart failure patients without the need for secondary criteria. *Heart* 97, A56, 2011.
44. Bowen TS, **Cannon DT**, Murgatroyd SR, Witte KK, Rossiter HB. Increasing skeletal muscle oxygenation by prior moderate-intensity exercise increases aerobic energy provision in chronic heart failure. *Heart* 97, A56, 2011.
45. **Cannon DT**, Bowen TS, Murgatroyd SR, Witte KK, Koga S, Rossiter HB. Inferences from skeletal muscle deoxygenation kinetics during constant and incremental exercise in heart failure. *Med Sci Sports Exerc* 43(5): S889, 2011.
46. **Cannon DT**, White AC, Andriano MF, Kolkhorst FW, Rossiter HB. Skeletal muscle fatigue precedes the slow component of oxygen uptake kinetics during exercise in humans. *Proc Physiol Soc* 19, PC159, 2010.
47. Bowen TS, **Cannon DT**, Begg G, Baliga V, Witte KK, Rossiter HB. A novel criterion for the determination of maximal oxygen uptake in patients with chronic heart failure. *Proc Physiol Soc* 19, C37, 2010.

48. Murgatroyd SR, Ferguson C, **Cannon DT**, Cubbon RM, Bowen TS, Ward SA, Rossiter HB. An examination of single exercise protocols characterising high intensity exercise tolerance in humans. *Proc Physiol Soc* 19, C36, 2010.
49. Cubbon RM, Murgatroyd SR, Ferguson C, Bowen TS, Rakobowchuk M, Baliga V, **Cannon D**, Rajwani A, Abbas A, Kahn M, Birch KM, Porter KE, Wheatcroft SB, Rossiter HB, Kearney MT. Human exercise induced circulating progenitor cell mobilisation is nitric oxide dependent and is blunted in South Asian men. *Heart* 96: A14, 2010.
50. **Cannon DT**, Bowen TS, Witte KK, Rossiter HB. Dissociating the attainment of maximal oxygen uptake from symptom limitation during exercise in heart failure. *Med Sci Sports Exerc* 42(5): S823, 2010.
51. Bowen TS, **Cannon DT**, Murgatroyd SR, Witte KK, Rossiter HB. Moderate-intensity exercise increases subsequent muscle oxygenation and speeds VO₂ kinetics in heart failure. *Med Sci Sports Exerc* 42(5): S659, 2010.
52. **Cannon DT**, Ehlen KA, Kolkhorst FW, Miller PW, Buono MJ. Cerebral oxygenation during incremental ramp exercise under acute acetazolamide administration. *Med Sci Sports Exerc* 41(5): S2549, 2009.
53. Ehlen KA, Buono MJ, Kolkhorst FW, Miller PW, **Cannon DT**. Pulmonary ventilation during incremental ramp exercise under acute acetazolamide administration. *Med Sci Sports Exerc* 41(5): S2548, 2009.
54. Cubbon RM, Murgatroyd SR, Ferguson C, **Cannon D**, Bowen TS, Rajwani A, Abbas A, Kahn M, Porter KE, Wheatcroft SB, Rossiter HB, Kearney MT. Impaired exercise induced endothelial progenitor cell mobilisation in South Asian men is nitric oxide dependent. British Atherosclerosis Society and British Society for Cardiovascular Research Joint Meeting, Medical Sciences Teaching Centre and St. Catherine's College, Oxford, UK, April 2009.
55. **Cannon DT**, Murgatroyd SR, Bowen TS, Kowalchuk JM, Rossiter HB. Muscle O₂ delivery-to-consumption matching at the limit of tolerance during ramp incremental exercise in men exhibiting a plateau in O₂ uptake. *Proc Physiol Soc* 14: PC20, 2009. *Third place, Blue Riband Competition*
56. Bowen TS, Murgatroyd SR, **Cannon DT**, Cuff TJ, Lainey AF, Marjerrison AD, Kowalchuk JM, Rossiter HB. The kinetics of pulmonary oxygen uptake during the transition to moderate intensity exercise from a raised metabolic rate in humans. *Proc Physiol Soc* 14: PC8, 2009. *First place, Blue Riband Competition*
57. **Cannon DT**, Kolkhorst FW. Creatine monohydrate supplementation does not alter oxygen uptake kinetics during heavy exercise. *Med Sci Sports Exerc* 40(5): S1756, 2008.
58. **Cannon DT**, Schenone AD, Kolkhorst FW. On the reproducibility of oxygen uptake kinetics during heavy exercise. *FASEB J* 22: 1176.8, 2008.

59. **Cannon DT**, Grout SL, May CA, Strom SD, Wyckoff KG, Cipriani DJ, Buono MJ. Recruitment of the serratus anterior as an accessory muscle of ventilation during graded exercise. *Med Sci Sports Exerc* 39(5): S1985, 2007.

NON-REFEREED PROCEEDINGS

1. Pierce SP, Brown J, **Cannon DT**, Nogueira L. Diaphragm force and mitochondrial function *ex vivo* following GSNOR inhibition *in vivo* preceding mechanical ventilation. SDSU Student Symposium 2024.
2. Simon VP, Hammett AM, Hicks EB, O'Neal TC, Larson MC, **Cannon DT**. A fast-start pacing strategy does not improve locomotor fatigue dynamics but does improve supra-critical power work capacity. SDSU Student Research Symposium 2020.
3. Erram J, Bari M, **Cannon DT**. Imposed expiratory resistance and pulmonary function in young healthy volunteers. SDSU Student Research Symposium 2019.
4. Mehregani N, Swisher AR, Brett K, Heerboth A, Touriel R, Sadler C, **Cannon DT**. Breath-hold time limit recommendations do not consider the metabolic-rate dependence of oxygen stores depletion. SDSU Student Research Symposium 2019.
5. Villacarlos A, Cost A, Preciado A, **Cannon DT**. Pacing strategy and locomotor fatigue dynamics. SDSU Student Research Symposium 2018.
6. Yong S, Swisher A, Ferguson C, **Cannon DT**. Does maximal isokinetic power at exercise intolerance approximate critical power? SDSU Student Research Symposium 2017.
7. Swisher A, Koehn B, Yong S, Cunha J, Ferguson C, **Cannon DT**. Dynamics of locomotor fatigue during supra-critical power exercise in humans. SDSU Student Research Symposium 2017.
8. Wickman BE, Sasaki K, Torrecillas Sanchez E, **Cannon DT**. Imposed expiratory flow limitation, hyperinflation, and dyspnea are dissociated from locomotor fatigue during moderate exercise. SDSU Student Research Symposium 2016.
9. Cunha J, Benedict P, Domingo A, Kolkhorst FW, Rossiter HB, **Cannon DT**. Expiratory flow limitation, dynamic hyperinflation, and locomotor power and fatigue. SDSU Student Research Symposium 2016.
10. Gehr A, **Cannon DT**, Kern M. Dietary nitrate supplementation, exercise tolerance, and time trial performance. SDSU Student Research Symposium 2015.

INVITED PRESENTATIONS

1. *Carbon monoxide releasing molecules to target skeletal myofiber function in PAH*. Center for Physiological Genomics of Low Oxygen (CPGLO) Summit, Scripps Institute & UCSD School of Medicine. 03/2017

2. *Tumid lungs to timid legs: from Morgagni to muscle fatigue.* Physiology Division Seminar Series. School of Medicine, University of California, San Diego. 01/2016
3. *Skunk Works, a slide rule, and the CIA: Human physiology at Mach 3.2 and 90,000 ft.* Division Seminar Series. Harbor-UCLA Medical Center. 12/2014
4. *Magnetic resonance spectroscopy of skeletal muscle bioenergetics* In: The Task and the Toil: Exercise Intolerance in Health and COPD (invited symposium). Annual Meeting of the Southwest Chapter, American College of Sports Medicine. 10/2014
5. *Measurement of central and peripheral fatigue during whole-body exercise: an update.* Division Seminar Series. Harbor-UCLA Medical Center. 08/2014
6. *Bioenergetics and exercise intolerance in health and chronic disease: From organism to organelle.* San Diego State University. 12/2013
7. *Skeletal muscle mitochondrial function and rehabilitation in pulmonary arterial hypertension.* Division Seminar Series, Harbor-UCLA Medical Center. 07/2013
8. *Skeletal muscle function in pulmonary arterial hypertension.* Pulmonary Grand Rounds, Harbor-UCLA Medical Center. 07/2013
9. *The dynamics of skeletal muscle fatigue and ATP turnover during high-intensity exercise.* Pulmonary Grand Rounds, Harbor-UCLA Medical Center. 09/2012
10. *Skeletal muscle fatigue precedes the slow component of oxygen uptake kinetics during exercise in humans.* Oxygen uptake kinetics: Systems integration and future directions. University of Leeds. 08/2012
11. *The precipitation of exercise intolerance: What can the dynamics of energy turnover and skeletal muscle heterogeneity do for you?!* San Diego State University. 11/2009
12. *Host Institution Presentation.* Annual Meeting of the Southwest Chapter, American College of Sports Medicine. 11/2006

FUNDED RESEARCH GRANTS

1. \$495,000 – *Collaborative Research: Role of endogenous carbon monoxide (CO) in hypoxia tolerant species.* National Science Foundation (NSF), *Integrative Organismal Systems*, Co-PI, 2019-2024.
2. \$10,000 – *Myofiber VEGF gene deletion and diaphragm muscle structure and function.* SDSU University Grants Program, PI, 2018-201

3. \$10,000 – *Does the IL-33 inflammatory axis mediate skeletal muscle abnormalities in pulmonary arterial hypertension?* SDSU University Grants Program, PI, 2016-2017
4. \$33,000 – *Skeletal muscle structure and function in patients with pulmonary arterial hypertension*, LA Biomed at Harbor-UCLA Seed Grant, Co-I, 2014-2015
5. \$7,000 – Pulmonary Education & Research Foundation Project Grant, Co-I, 2013-2014

FUNDED TRAINING GRANTS

1. \$3,000 – *Sweat gland function in split thickness skin graft*, SDSU Summer Undergraduate Research Program, PI, 05/2019 – 08/2019
2. \$3,000 – *Arterial and tissue oxygenation during 60 s apneic rest and exercise*, SDSU Summer Undergraduate Research Program, PI, 05/2018 – 08/2018
3. \$5,000 – *Dynamics of skeletal muscle fatigue during high-intensity exercise*, SDSU Summer Undergraduate Research Program, PI, 05/2016 – 08/2016
4. \$142,000 – *The dynamics of skeletal muscle metabolism, oxygenation, and fatigue during high-intensity exercise in humans*, ORSAS UK, PhD Studentship, 09/2008 – 08/2011

TEACHING EFFECTIVENESS

STUDENTS AND SCIENTISTS MENTORED

PhD Theses Examined

2023 Lars Aakerøy, MD, PhD
 Department of Circulation and Medical Imaging
 Faculty of Medicine and Health Sciences
 Norwegian University of Science and Technology
 Role: First Opponent

PhD Theses (committee member)

2024- Ebru Robinson
 Department of Biology
 San Diego State University
Z disc protein function and muscle development and function

Master's Theses (Chair, ENS 799A/B)

- 2024- Gurleen Kaur Chhabra
San Diego State University
Wearable multimodal wireless sensing for supplementation and prediction of pulmonary function testing
- 2024- Jalene Buschini
San Diego State University
Body position and lung diffusing capacity in smokers and non-smokers
- 2023- Jennah Brown
San Diego State University
Diaphragm mitochondrial function following mechanical ventilation
- 2023-2024 Reina Corpus
San Diego State University
Oxygen delivery dependence of the non-invasive NIRS measurement of muscle oxidative capacity
- 2023-2024 Michael Sarmiento
San Diego State University
Head-down, hip-flexed simulated restraint positioning and spirometry, lung volumes, and DLCO
Subsequent Position(s): Research Scientist, Naval Health Research Center, Point Loma
- 2023 April Flowers
San Diego State University
Validation of lung volumes measured through N₂ washout, N₂ dilution, and body plethysmography
Subsequent Position(s): Dietetic Intern, San Diego, CA
- 2022-2023 Alex Gonsalves
San Diego State University
Bilateral asymmetries in muscle structure and function in badminton athletes
Subsequent Position(s): Study Coordinator, UNC Chapel Hill
- 2022-2023 Matt Fahey
San Diego State University
Bicycle handlebar width effects on pulmonary function, gas exchange, and perceptions of rider comfort
Subsequent Position(s): Physiologist, West Los Angeles VA Medical Center
- 2022-2023 Gabrielle Antonio
San Diego State University
Chest wall strapping and dynamic hyperinflation in healthy volunteers
Subsequent Position(s): Exercise Physiologist, Sharp Healthcare

2021-2022 Esteban Salcedo
San Diego State University
Skeletal muscle abnormalities in the SU5416/hypoxia mouse model of pulmonary hypertension
Subsequent Position(s): PhD student, Concordia University

2021-2022 Josue Eduardo Uriarte
San Diego State University
Time deception and supra-critical power exercise tolerance
Subsequent Position(s): Research scientist, Naval Health Research Center, Point Loma

2021-2023 Nick Smith
San Diego State University
Carbon monoxide and skeletal muscle mitochondrial function in the northern elephant seal
Subsequent Position(s): Dietetic Intern, San Francisco, CA

2021-2022 Robert Schryver
San Diego State University
Dead space loading and the dynamics of locomotor fatigue during supra-critical power work

2021-2022 Tony Duong
San Diego State University
Dynamics of locomotor fatigue and the power-duration relationship in hypoxia
Subsequent Position(s): Research scientist, Naval Health Research Center, Point Loma

2019-2021 Tori Simon
San Diego State University
Fast-start pacing strategy and locomotor fatigue dynamics during supra-critical power tasks
Subsequent Position(s): Clinical Coordinator, Modena Allergy and Asthma, La Jolla

2018-2020 Jo Erram
San Diego State University
Airway resistance and the rectangular area ratio with imposed external expiratory resistance
Subsequent Position(s): PhD student, Northern Arizona University

2018-2020 Monica Bari
San Diego State University
Imposed expiratory resistance and pulmonary function in young healthy volunteers
Subsequent Position(s): DPT student, San Diego State University

2018-2021 Sean Swenson
San Diego State University
Eccrine sweat gland function and thermoregulation following burn injury and split-thickness graft
Subsequent Position(s): Clinical Research Coordinator, University of California, San Diego

2014-2016 Jonathan Cunha
San Diego State University
Expiratory resistance and skeletal muscle fatigue during high-intensity exercise
Subsequent Position(s): Medical Student, UCSD; Surgical Resident, University of Michigan

Master's non-theses (Chair, ENS 790)

2015-2017 Brandon Howland
San Diego State University
Diaphragm Abnormalities in the SuHx Model of Pulmonary Hypertension: The Role of the IL-33 Signalling Pathway
Subsequent Position(s): Adjunct Professor, Sacramento City College

2017 Eric Leslie
San Diego State University
Thermoregulatory stress from heat indices up to 34 °C does not affect elite running performance in 400 – 10,000 m events
Subsequent Position(s): PhD student, University of New Mexico; Postdoctoral Fellow, University of California, San Diego

2015-2017 Caitlin Tiffany
San Diego State University
Skeletal muscle abnormalities in a mouse model of pulmonary arterial hypertension
Subsequent Position(s): Adjunct Faculty, Life Sciences Department, San Diego Community College District; Research Associate, The Scripps Research Institute

2015-2016 Blake Koehn
San Diego State University
Dynamics of locomotor fatigue at the onset of high-intensity exercise
Subsequent Position(s): Physiologist, Naval Health Research Center, San Diego

Master's Theses (committee member)

2024 Ebru Robinson
Department of Biology
San Diego State University
Z disc protein function and muscle development and function

2023-2024 Brenna Blotz
Department of Biology
San Diego State University
Drosophila melanogaster as a genetic model for congenital heart defects

- 2022- Morgan Mullens
Department of Biology
San Diego State University
Autophagic protein dysregulation in Inclusion Body Myopathy Type 3
- 2019-2020 Kayleigh Marsh
Department of Biology
San Diego State University
ATF6 regulates FAR-1-mediated plasmalogen synthesis in cardiac myocytes
- 2019-2020 Tak Cheung
Department of Biology
San Diego State University
ATF6 β is an adaptive transcription factor in cardiac myocytes
- 2016-2018 Kimberley Manalo
Department of Biology
San Diego State University
The effects of protein expression manipulation on muscle structure and function in inclusion body myopathy-3
- 2016-2018 Jesus E. Villanueva
Department of Biology
San Diego State University
Molecular basis of Metabolic Diseases and Rare Muscular Dystrophies in Drosophila and Cell Models
- 2015-2018 Erik Blackwood
Department of Biology
San Diego State University
Roles for ATF-6-inducible genes in cardiac physiology and pathology
Subsequent Position(s): Postdoctoral Fellow, University of Arizona
- 2015-2016 Amber Pentoney
Department of Biology
San Diego State University
SR/ER calcium dysregulation confers cytoprotective effects to cell culture media that inhibits apoptotic and necrotic cell death
Subsequent Position(s): Veterinary medical student, Western University College of Veterinary Medicine
- 2015-2016 Khalid Azizi
Department of Biology
San Diego State University

Roles for the ER stress-activated transcription factor 6, ATF6, in the hearts of mice subjected to myocardial ischemia

Subsequent Position(s): Senior Associate Scientist, Amgen

2015-2017 Christopher R. Lavello
Department of Biology
San Diego State University

Obesity, circadian rhythm, and skeletal muscle metabolism in Drosophila

Subsequent Position(s): PhD student, University of Alabama, Birmingham

Student Researchers (non MS thesis)

KA Walters(SDSU - Honors Thesis), CC Johnson(SDSU), TA Remmers(SDSU), JZ Boehm(SDSU), DT Sparks(SDSU), TM Gillespie(SDSU), JL Branham(SDSU), L Waters (SDSU), C Arthur(Leeds), H MacLachlan(Leeds), D Paterson(Leeds), P Shawcross(Leeds), J Sylvester(Leeds), A Young(Leeds), B Hylton(Leeds), S Cassidy(Leeds), C Lancaster(Leeds), SA Hampson (Liverpool), MJ Davies (Leeds), N Diaz(Harbor-UCLA), P Benedict(SDSU – ENS798), A Gehr(SDSU – Honors Thesis), FL Wong(UCSD), A Swisher(SDSU – ENS499), TS Witte(UCSD), S Yong(SDSU – ENS499), A Church(SDSU), A Gutierrez(UCSD), J Moore (SDSU), E Glasheen (SDSU), J Beidler (SDSU), C Sheehey (SDSU), T Janisse (SDSU), L Kang (UCSD), S Vittorino (UCSD), T Taka (UCSD), J Mueller (SDSU – ENS499), J Passot (SDSU), J Castanho (SDSU), J Erram (SDSU), V Vijaykumar (SDSU), J Hella (SDSU), N Mehregani (SDSU), C Hogg (SDSU – ENS499), Madriaga R (SDSU), Faria J (SDSU), Ortiz S (SDSU), Khaleq E (SDSU), Kleis C (SDSU – ENS499), Vlassis N (SDSU), Arroyo Hernandez D (SDSU), Ramirez B (SDSU), Satnick M (SDSU), Garcia J (SDSU), Morales R (SDSU), Hakimi K (SDSU), Corpus R (SDSU), Hallisey J (SDSU), J Bellows (SDSU), B Lowe (SDSU), T Brown (SDSU)

COURSES TAUGHT

Course #	Course Name	Level (i.e., upper, lower, grad)	Modality (i.e., online, in- person, hybrid)	Co - Taught?
ENS 662	Advanced Exercise Physiology Laboratory	Grad	In-Person	Yes
ENS 798	Special Study	Grad	In-Person	No
ENS 799A/B	Thesis	Grad	In-Person	No
ENS 304L	Exercise Physiology Laboratory	Upper	In-Person	No
ENS 332	Pathophysiology I	Upper	In-Person	No
ENS 333	Pathophysiology II	Upper	In-Person	No
ENS 499	Special Study	Upper	In-Person	No

SPSC 3061	Research Project in Exercise Physiology	Upper	In-Person	Yes
SPSC 2302	Exercise Physiology	Upper	In-Person	Yes
SPSC 2170	Scientific Principles of Exercise Training	Upper	In-Person	Yes
SPSC 2218	Research Skills – Statistics & SPSS	Upper	In-Person	Yes
BIOC 2201	Exercise Biochemistry	Upper	In-Person	Yes

TEACHING ASSOCIATES AND GRADUATE ASSISTANTS SUPERVISED

2024-	Will Wong
2024-	Jacob Baker
2024-	Doug Mitchell
2024-	Jalene Buschini
2024-	Gurleen Kaur Chhabra
2023-	Jannah Brown
2023-2024	Austin Morales
2023-2024	John Fasulo
2023-	Savannah Kooyman
2022-2024	Melissa Zauss
2022-2024	Reza Zenial Zadeh
2022-2024	Michael Sarmiento
2022-2023	Mary Polan
2022-2023	Chandler Cornett
2022-2023	Gabrielle Antonio
2022	Brian Panaligan
2022	Lauren Sitzmann
2022-2023	April Flowers
2021-2022	Esteban Salcedo
2020-2021	Laurie Tenenbaum
2018-2021	Sean Swenson
2018-2019	Sarah Northway
2018-2019	Mikayla Brophy
2017-2018	Andrew Ordille
2017	Jonathan Tran
2017	Anna Hunter
2017	Katelynn Sasaki

SERVICE

SERVICE FOR THE DEPARTMENT

1. Search Committee Chair: Assistant Professor of Exercise Physiology (2024 – 2025)
2. Search Committee: IT specialist staff (2024)
3. Search Committee Chair: Assistant Professor of Exercise Physiology (2023 – 2024)
4. Search Committee Chair: Assistant Professor of Physical Activity Behavior Science (2022 – 2023)
5. Search Committee Chair: Assistant Professor of Exercise Physiology (2021 – 2022)
6. Search Committee Chair: Assistant Professor of Physical Activity Behavior Science (2021 – 2022)
7. Search Committee Chair: Assistant Professor of Motor Control (2020 – 2021)
8. Search Committee: Assistant Professor of Athletic Training (2020 – 2021)
9. Physiology Laboratories Director (2017 – present)
10. Faculty Hearing Committee (2017 – 2019; 2021 – 2023)
11. Scholarship Committee (2017 – 2019; 2022 – present)
12. Host and organizer of international symposium. *From Joseph Priestley to magnetic resonance spectroscopy: A rich tradition of physiology in Leeds*. Speakers include Sophie Hampson, Matt Davies, and Carrie Ferguson – all from the School of Biomedical Sciences, University of Leeds, UK. 2016
13. Presentation given at the first bi-monthly School Research Group Meeting. *Tumid lungs to timid legs: from Morgagni to muscle fatigue* (2016)
14. Search Committee: Director, School of Exercise & Nutritional Sciences (2015-2016)
15. Graduate Student Admissions Committee (2015 – present)

SERVICE FOR THE UNIVERSITY

1. Faculty Advisor, Jiu Jitsu Club at SDSU (2021 – present)
2. Investigator, Big Ideas Proposal, Lung Digital Health Platform (2019 – present)
3. Faculty Advisor, Aztec Gymnastics Club (2017 – present)
4. Faculty Interviewer, Fulbright Fellowship (2016 – present)
5. Faculty Judge, SDSU SRS (2015 – present)
6. Faculty Member, Area of Excellence Proposal (unsuccessful; 2015)

SERVICE FOR THE PROFESSION

1. Grant Reviewer (2016 – present)
 - a. VA Health Care System, Rehabilitation Research and Development SPiRE Program, Meeting Identifier: 2016/08 RRDS R
 - b. VA Health Care System, Rehabilitation Research and Development SPiRE Program, Meeting Identifier: 2017/01 RRDS R
 - c. VA Health Care System, Rehabilitation Research and Development SPiRE Program, Meeting Identifier: 2017/08 RRDS R
2. Journal Reviewer (2007 – present)
 - a. *Journal of Physiology*
 - b. *Journal of Applied Physiology*
 - c. *American Journal of Physiology, Regulatory, Integrative, and Comparative Physiology*
 - d. *Experimental Physiology*

- e. *European Journal of Applied Physiology*
- f. *Medicine and Science in Sports and Exercise*
- g. *Sports Medicine*
- h. *Acta Physiologica*
- i. *Aging*
- j. *Appetite*
- k. *Applied Physiology, Nutrition, and Metabolism*
- l. *British Journal of Sports Medicine*
- m. *Clinical Medicine: Circulatory, Respiratory and Pulmonary Medicine*
- n. *Clinical Science*
- o. *Clinical Physiology and Functional Imaging*
- p. *COPD: Journal of Chronic Obstructive Pulmonary Disease*
- q. *Current Opinion in Physiology*
- r. *Experimental Gerontology*
- s. *International Journal of Sports Medicine*
- t. *Journal of Cachexia, Sarcopenia and Muscle*
- u. *Journal of Sports Science and Medicine*
- v. *Journal of Sports Sciences*
- w. *Journal of Visualized Experiments*
- x. *Nutrition Research*
- y. *Physiological Measurement*
- z. *PLoS ONE*
- aa. *Research Square*
- bb. *Rubriq*
- cc. *Scandinavian Journal of Medicine & Science in Sports*
- dd. *Scientific Reports*

SERVICE FOR THE COMMUNITY

1. Guest lecture: *Exercise Physiology: The essence of the machine*, Hoover High School (October 2022)
2. Guest lecture: *Exercise Physiology: The essence of the machine*, Hoover High School (April 2021)
3. Guest lecture: *Exercise Physiology: The essence of the machine*, Hoover High School (November 2019)
4. Guest lecture and laboratory demonstration: *Exercise physiology and pulmonary gas exchange: The essence of the machine*, Scripps Ranch High School (May 2019)
5. Guest lecture: *Exercise intolerance and COPD: The Task and the Toil*, Scripps Ranch High School (May 2018)