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EDUCATION

2008 Ph.D.	Federal University of Rio de Janeiro Biological Sciences (Biochemistry)
2003 M.Sc.	Federal University of Rio de Janeiro Biological Sciences (Biochemistry)
2001 B.Sc.	Federal University of Rio de Janeiro Physical Education (Kinesiology)

ACADEMIC POSITIONS HELD

Fall 2022 – Present San Diego State University	Assistant Professor (Tenure-track) Exercise Physiology
Fall 2021 – Summer 2022 University of California San Diego	Associate Research Scientist Physiology
Fall 2017 – Summer 2021 University of California San Diego	Assistant Research Scientist Physiology
Spring 2017 – Fall 2017 Federal University of Rio de Janeiro	Associate Professor (Tenured) Biochemistry
Fall 2014 – Fall 2017 Federal University of Rio de Janeiro	Assistant Professor (Tenure-track) Biochemistry
Spring 2014 – Summer 2014 Federal University of Rio de Janeiro	Research Fellow Biochemistry
Fall 2009 – Fall 2013 University of California San Diego	Post-doctoral fellow Physiology
Fall 2008 – Summer 2009 Duke University	Post-doctoral fellow Physiology/Molecular Biology
Fall 2004 – Spring 2008 Estacio de Sá University	Lecturer Kinesiology and Physical Therapy

REFEREED JOURNAL ARTICLES**Before Tenure**

1. **Nogueira L**, Zemljic-Harpe AE, Yusufi R, Ranjbar M, Susanto C, Tang K, Mahata SK, Jennings PA, and Breen EC. E-cigarette aerosol impairs male mouse skeletal muscle force development and prevents recovery from injury. *Am J Physiol Regul Integr Comp Physiol*. 323: R849-R860, 2022. Doi: 10.1152/ajpregu.00314.2021. PMID: 36250633
Contribution: Conceived and designed research, performed experiments, analyzed data, interpreted results of experiments, prepared figures, drafted manuscript, edited and revised manuscript, approved final version of manuscript.
Ranking of the Journal: #5441 out of 27955 Journals, Conferences, and Book Series (#39 out of 81 in Physiology)
Acceptance Rate of the Journal: Not available
Impact Factor: 2.8
2. **Nogueira, L.**, Gilmore, N.K., and Hogan, M.C. Fatigue-induced changes in force and intracellular cytosolic calcium transients in intact single myofibers from parvalbumin conditional knockout mice. *J Appl Physiol*, 132: 1041-1053, 2022. Doi: 10.1152/jappphysiol.00861.2021. PMID: 35238653
Contribution: **Anchor author.** Conceived and designed research, performed experiments, analyzed data, interpreted results of experiments, prepared figures, drafted manuscript, edited and revised manuscript, approved final version of manuscript.
Ranking of the Journal: #4474 out of 27955 Journals, Conferences, and Book Series (#27 out of 81 in Physiology)
Acceptance Rate of the Journal: Not available
Impact Factor: 3.3
3. Cannon, D.T., **Nogueira, L.**, Gutierrez-Gonzalez, A.K., Gilmore, N.K., Bigby, T.D., and Breen, E.C. Role of IL-33 receptor (ST2) deletion in diaphragm contractile and mitochondrial function in the Sugen5416/hypoxia model of pulmonary hypertension. *Resp Physiol Neurobiol*. 295:103783, 2021. doi: 10.1016/j.resp.2021.103783. PMID: 34508866.
Contribution: Performed data acquisition, data analysis, data interpretation, manuscript drafting, critical revision.
Ranking of the Journal: #8468 out of 27955 Journals, Conferences, and Book Series.
Acceptance Rate of the Journal: 24%
Impact Factor: 2.3
4. **Nogueira L.** and Breen E.C. Invited Editorial: Cigarettes Make You Weak: RANKL/RANK Link Changes in Muscle and Bone. *Am J Respir Cell Mol Biol*. 64:533-535, 2021. doi: 10.1165/rcmb.2021-0098ED. PMID: 33711242
Contribution: Performed manuscript writing, edited, and revised manuscript, approved final version of manuscript.
Ranking of the Journal: #14 in pulmonology
Acceptance Rate of the Journal: Not available
Impact Factor: 6.4
5. Cocksedge, S.P., Breese, B.C., Morgan, P.T., **Nogueira, L.**, Thompson, C., Wylie, L.J., Jones, A.M., and Bailey, S.J. Influence of muscle oxygenation and nitrate-rich beetroot juice supplementation on O₂ uptake kinetics and exercise tolerance. *Nitric Oxide* 99: 25-33, 2020. Doi: 10.1016/j.niox.2020.03.007. PMID: 32272260

Contribution: Interpreted results of experiments, drafted manuscript, edited and revised manuscript, approved final version of manuscript

Ranking of the Journal: #4747 out of 27955 Journals, Conferences, and Book Series

Acceptance Rate of the Journal: Not available

Impact Factor: 3.9

6. Bailey, S.J., Gandra, P.G., Jones, A.M., Hogan, M.C., and **Nogueira, L.** Incubation with sodium nitrite attenuates fatigue development in intact single mouse fibres at physiological PO₂. *J. Physiol.* 597: 5429-5443, 2019. doi: 10.1113/JP278494. PMID: 31541562.

Contribution: **Anchor author.** Conception, design, and interpretation of the data. Performed the experimental work, analyzed the data, wrote the manuscript, and approved the final version of the manuscript.

Ranking of the Journal: #2021 out of 27955 Journals, Conferences, and Book Series (#12 out of 81 in Physiology)

Acceptance Rate of the Journal: 24.8%

Impact Factor: 6.228

7. **Nogueira L.**, Trisko B.M., Lima-Rosa F.L., Jackson J., Lund-Palau H., Yamaguchi M., and Breen E.C. Cigarette smoke directly impairs skeletal muscle function through capillary regression and altered myofibre calcium kinetics in mice. *J. Physiol.* 596: 2901-2916, 2018. doi: 10.1113/JP275888. PMID: 29797443

Contribution: Contributed to the design, collection, analysis and interpretation of the nose-only and i.p. delivery of cigarette smoke and muscle function and morphometric data. Contributed in drafting/revising the manuscript. Contributed to the overall concept, experimental design, analysis and interpretation of data and drafting and revision of the manuscript.

Ranking of the Journal: #2021 out of 27955 Journals, Conferences, and Book Series (#12 out of 81 in Physiology)

Acceptance Rate of the Journal: 24.8%

Impact Factor: 6.228

8. Gandra, P.G., Shiah, A.A., **Nogueira, L.**, and Hogan, M.C. A mitochondrial-targeted antioxidant improves myofilament Ca²⁺ sensitivity during prolonged low frequency force depression at low PO₂. *J. Physiol.* 596: 1079-1089, 2018, doi: 10.1113/JP275470. PMID: 29334129.

Contribution: Participated in the conception and design of the study, interpretation of the data, drafting of the manuscript, and critically revised the manuscript.

Ranking of the Journal: #2021 out of 27955 Journals, Conferences, and Book Series (#12 out of 81 in Physiology)

Acceptance Rate of the Journal: 24.8%

Impact Factor: 6.228

9. Yamashita, A.M.S., Ancillotti, M.T.C., Rangel, L.P., Fontenele, M., Figueiredo-Freitas, F., Possidonio, A.C., Soares, C.P., Sorenson, M.M., Mermelstein, C., and **Nogueira, L.** Balance between S-nitrosylation and denitrosylation modulates myoblast proliferation independently of soluble guanylyl cyclase activation. *Am J. Physiol. Cell Physiol.* 313: C11–C26, 2017. doi: 10.1152/ajpcell.00140.2016. PMID: 28381519.

Contribution: **Anchor author.** Conceived and designed research, analyzed data, interpreted results of experiments, prepared figures, drafted manuscript, approved final version of manuscript, edited and revised manuscript.

Ranking of the Journal: #2214 out of 27955 Journals, Conferences, and Book Series (#10 out of 81 in Physiology)

Acceptance Rate of the Journal: Not available

Impact Factor: 5.5

10. Figueiredo-Freitas C., Dulce R.A., Foster M.W., Liang J., Yamashita A.M., Lima-Rosa F.L., Thompson J.W., Moseley M.A., Hare J.M., **Nogueira L.**, Sorenson M.M., and Pinto J.R. S-Nitrosylation of Sarcomeric Proteins Depresses Myofilament Ca²⁺-Sensitivity in Intact Cardiomyocytes. *Antioxid. Redox Signal.* 23: 1017-1034, 2015. doi: 10.1089/ars.2015.6275. PMID: 26421519.
Contribution: Analyzed data, interpreted results of experiments, prepared figures, drafted manuscript, approved final version of manuscript, edited and revised manuscript.
Ranking of the Journal: #1713 out of 27955 Journals, Conferences, and Book Series
Acceptance Rate of the Journal: Not available
Impact Factor: 6.6
11. Moreno-Ulloa A., **Nogueira L.**, Rodriguez A., Barboza J., Hogan M.C., Ceballos G., Villarreal F.H., and Ramirez-Sanchez I. Recovery of Indicators of Mitochondrial Biogenesis, Oxidative Stress, and Aging With (-)-Epicatechin in Senile Mice. *J. Gerontol. A Biol. Sci Med. Sci.* 70: 1370-1378, 2015. doi: 10.1093/gerona/glu131. PMID: 25143004
Contribution: Performed experiments; Prepared figures; Analyzed data; Edited and revised manuscript; Approved final version of manuscript
Ranking of the Journal: #18 out of 54 in Geriatrics & Gerontology
Acceptance Rate of the Journal: Not available
Impact Factor: 5.1
12. Delavar H., **Nogueira L.**, Wagner P.D., Hogan M.C., Metzger D., and Breen E.C. Skeletal myofiber VEGF is essential for the exercise training response in adult mice. *Am. J. Physiol. Reg. Integr. Comp. Physiol.* 306: R586-595, 2014. doi: 10.1152/ajpregu.00522.2013. PMID: 2452334.
Contribution: Participated in the conception and design of the study, performed experiments, interpretation of the data, prepared figures, drafted the manuscript, and critically revised the manuscript.
Ranking of the Journal: #5441 out of 27955 Journals, Conferences, and Book Series (#39 out of 81 in Physiology)
Acceptance Rate of the Journal: Not available
Impact Factor: 2.8
13. Gutierrez-Salmean G., Ciaraldi T.P., **Nogueira L.**, Barboza J., Taub P.R., Hogan M.C., Henry R.R., Meaney E., Villarreal F.H., Ceballos G., and Ramirez-Sanchez I. Effects of (-)-epicatechin on molecular modulators of skeletal muscle growth and differentiation. *J. Nutr. Biochem.* 25: 91-94, 2014. doi: 10.1016/j.jnutbio.2013.09.007. PMID: 24314870
Contribution: Performed experiments; Prepared figures; Analyzed data; Edited and revised manuscript; Approved final version of manuscript.
Ranking of the Journal: #3391 out of 27955 Journals, Conferences, and Book Series
Acceptance Rate of the Journal: Not available
Impact Factor: 6.048
14. Ramirez-Sanchez I., Taub P.R., Ciaraldi T.P., **Nogueira L.**, Coe T., Perkins G., Hogan, M.C., Maisel A.S., Henry R.R., Ceballos G., and Villarreal F.H. (-)-Epicatechin rich cocoa mediated modulation of oxidative stress regulators in skeletal muscle of heart failure and type 2 diabetes patients. *Int. J. Cardiol.* 168:3982-90, 2013. doi: 10.1016/j.ijcard.2013.06.089. PMID: 23870648
Contribution: Performed experiments; Prepared figures; Analyzed data; Edited and revised manuscript; Approved final version of manuscript.
Ranking of the Journal: # 62 out of 211 in cardiac and cardiovascular systems
Acceptance Rate of the Journal: Not available
Impact Factor: 3.5

15. Tang, K., Murano, G., Wagner, H., **Nogueira, L.**, Wagner, P.D., Tang, A., Dalton, N.D., Gu, Y., Peterson, K.L., and Breen, E.C. Impaired exercise capacity and skeletal muscle function in a mouse model of pulmonary inflammation. *J. Appl. Physiol.* 114:1340-1350, 2013. doi: 10.1152/jappphysiol.00607.2012. PMID: 23449936.
Contribution: Performed experiments; Analyzed data; Edited and revised manuscript; Approved final version of manuscript.
Ranking of the Journal: #4474 out of 27955 Journals, Conferences, and Book Series (#27 out of 81 in Physiology)
Acceptance Rate of the Journal: Not available
Impact Factor: 3.3
16. **Nogueira, L.**, Shiah, A., Gandra, P.G., and Hogan, M.C. Ca²⁺-Pumping Impairment during Repetitive Fatiguing Contractions in Single Myofibers: Role of Cross-Bridge Cycling. *Am. J. Physiol. Reg. Integr. Comp. Physiol.* 305: R118-R125, 2013. doi: 10.1152/ajpregu.00178.2013. PMID: 23678027.
Contribution: **Anchor author**. Conception, design, and interpretation of the data. Performed the experimental work, analyzed the data, wrote the manuscript, and approved the final version of the manuscript.
Ranking of the Journal: #5441 out of 27955 Journals, Conferences, and Book Series (#39 out of 81 in Physiology)
Acceptance Rate of the Journal: Not available
Impact Factor: 2.8
17. Ramirez-Sanchez, I., **Nogueira, L.**, Moreno, A., Murphy, A., Taub, P.R., Perkins, G., Ceballos, G., Hogan, M.C., Malek, M.L., and Villarreal, F. Stimulatory effects of the flavanol (-)-epicatechin on cardiac angiogenesis: Additive effects with exercise. *J. Cardiovasc. Pharmacol.* 60: 429-438, 2012. doi: 10.1097/FJC.0b013e318269ae0d. PMID: 22833114.
Contribution: Performed experiments, interpretation of the data, and participated in drafting the manuscript.
Ranking of the Journal: #7947 out of 27955 Journals, Conferences, and Book Series (#75 out of 211 in cardiac and cardiovascular systems)
Acceptance Rate of the Journal: Not available
Impact Factor: 3.0
18. Gandra, P.G., **Nogueira, L.**, and Hogan, M.C. Mitochondrial activation at the onset of contractions in isolated myofibres during successive contractile periods. *J. Physiol.* 590: 3597-3609, 2012. doi: 10.1113/jphysiol.2012.232405. PMID: 22711953
Contribution: Conception and design of the study, interpretation of the data and drafting of the manuscript
Ranking of the Journal: #2021 out of 27955 Journals, Conferences, and Book Series (#12 out of 81 in Physiology)
Acceptance Rate of the Journal: 24.8%
Impact Factor: 6.228
19. **Nogueira, L.**, Ramirez-Sanchez, I., Perkins, G., Murphy, A., Taub, P.R., Ceballos, G., Villarreal, F., Hogan, M.C. and Malek, M.L. (-)-Epicatechin enhances fatigue resistance and oxidative capacity in mouse muscle. *J. Physiol.* 589: 4615-4631, 2011. doi: 10.1113/jphysiol.2011.209924. PMID: 21788351
Contribution: Collection, analysis and interpretation of data, and drafting the manuscript.
Ranking of the Journal: #2021 out of 27955 Journals, Conferences, and Book Series (#12 out of 81 in Physiology)
Acceptance Rate of the Journal: 24.8%
Impact Factor: 6.228

20. Sun, Q.A., Hess, D.T., **Nogueira, L.**, Yong, S., Bowles, D.E., Eu, J., Laurita, K.R., Meissner, G., and Stamler, J.S. Oxygen-coupled redox regulation of the skeletal muscle ryanodine receptor-Ca²⁺ release channel by NADPH oxidase 4. *Proc. Natl. Acad. Sci. USA*. 108: 16098-16103, 2011. doi: 10.1073/pnas.1109546108. PMID: 21896730
Contribution: Performed research and analyzed data.
Ranking of the Journal: #373 out of 27955 Journals, Conferences, and Book Series
Acceptance Rate of the Journal:
Impact Factor: 11.1
21. Zuo, L., **Nogueira, L.**, and Hogan, M.C. Reactive oxygen species formation during tetanic contractions in single isolated *Xenopus* myofibers. *J. Appl. Physiol.* 111: 898-904, 2011. doi: 10.1152/jappphysiol.00398.2011. PMID: 21700897
Contribution: Conception, design, and interpretation of the data. Performed the experimental work, analyzed the data, wrote the manuscript, and approved the final version of the manuscript.
Ranking of the Journal: #4474 out of 27955 Journals, Conferences, and Book Series (#27 out of 81 in Physiology)
Acceptance Rate of the Journal: Not available
Impact Factor: 3.3
22. Zuo, L., **Nogueira, L.**, and Hogan, M.C. Effect of pulmonary TNF- α overexpression on mouse isolated skeletal muscle function. *Am. J. Physiol. Reg. Integr. Comp. Physiol.* 301: R1025-R1031, 2011. doi: 10.1152/ajpregu.00126.2011. PMID: 21697519
Contribution: Conception, design, and interpretation of the data. Performed the experimental work, analyzed the data, wrote the manuscript, and approved the final version of the manuscript.
Ranking of the Journal: #5441 out of 27955 Journals, Conferences, and Book Series (#39 out of 81 in Physiology)
Acceptance Rate of the Journal: Not available
Impact Factor: 2.8
23. **Nogueira, L.**, and Hogan, M.C. Phenol increases intracellular [Ca²⁺] during twitch contractions in intact *Xenopus* skeletal myofibers. *J. Appl. Physiol.* 109: 1384-1393, 2010. doi: 10.1152/jappphysiol.00660.2010. PMID: 20724558
Ranking of the Journal: #4474 out of 27955 Journals, Conferences, and Book Series (#27 out of 81 in Physiology)
Contribution: Conception, design, and interpretation of the data. Performed the experimental work, analyzed the data, wrote the manuscript, and approved the final version of the manuscript.
Acceptance Rate of the Journal: Not available
Impact Factor: 3.3
24. **Nogueira, L.**, Figueiredo-Freitas, C., Casimiro-Lopes, G., Magdesian, M.H., Assreuy, J., and Sorenson, M.M. Myosin is reversibly inhibited by S-nitrosylation. *Biochem. J.* 424: 221-231, 2009. doi: 10.1042/BJ20091144. PMID: 19747166
Contribution: Conception, design, and interpretation of the data. Performed the experimental work, analyzed the data, wrote the manuscript, and approved the final version of the manuscript.
Ranking of the Journal: #2777 out of 27955 Journals, Conferences, and Book Series
Acceptance Rate of the Journal: Not available
Impact Factor: 4.1
25. Forrester, M.T., Thompson, J.W., Foster, M.W., **Nogueira, L.**, Moseley, M.A., and Stamler, J.S. Proteomic analysis of S-nitrosylation and denitrosylation by resin-assisted capture. *Nature Biotechnol.* 27: 557-559, 2009. doi: 10.1038/nbt.1545. PMID: 19483679

Contribution: Performed experiments, interpretation of the data, and participated in drafting the manuscript.

Ranking of the Journal: #8 out of 27955 Journals, Conferences, and Book Series

Acceptance Rate of the Journal: Not available

Impact Factor: 46.9

REFEREED PROCEEDINGS

Before Tenure

1. Pierce, S.P., Cannon, D.T., **Nogueira, L.** Diaphragm Force and Mitochondrial Function *Ex Vivo* Following GSNOR Inhibition *In Vivo* Preceding Mechanical Ventilation. In *Southwest Chapter of the ACSM (SWACSM)*, 2023, Costa Mesa, CA. International Journal of Exercise Science: Conference Proceedings: Vol. X: Iss. XX, Article X.
2. Kasper, D.M., Marshall, L.K.T., **Nogueira, L.** Effects of Nitrate Supplementation on In Vivo Muscle Torque Recovery From BaCl₂-Induced Injury. In *Southwest Chapter of the ACSM (SWACSM)*, 2023, Costa Mesa, CA. International Journal of Exercise Science: Conference Proceedings: Vol. X: Iss. XX, Article X.
3. Marshall, L.K.T., Kasper, D.M., **Nogueira, L.** Single-Leg Resistance Exercise Training in Mice Leads to a Fast Increase in In Vivo Torque of Anterior Crural Muscles. In *Southwest Chapter of the ACSM (SWACSM)*, 2023, Costa Mesa, CA. International Journal of Exercise Science: Conference Proceedings: Vol. X: Iss. XX, Article X.
4. Chuong, T.H., Mattson, M.K., Do, C.H., Shen, Y., Stevens, N.E., **Nogueira, L.** Changes in muscle force recovery and myofiber satellite cell incorporation by modulating nitric oxide signaling in vivo during muscle repair after lengthening contractions. In: *Experimental Biology Meeting 2022*, Philadelphia. The FASEB Journal, 2022. v. 36. <https://doi.org/10.1096/fasebj.2022.36.S1.R5904>
5. Stevens, N., Loreti, M., Hogan, M. C., Sacco, A., and **Nogueira, L.** Satellite cell incorporation in myofibers from anterior crural muscles of Pax7CreERTdTomato transgenic mice during the recovery of lengthening contractions. In: *Integrative Exercise Physiology Conference*, 2020.
6. Stevens, N., Davila, D., Nguyen, N., Souresrafil, E., De-Perio, M., Vitorino, S. Breen, E.C., and **Nogueira, L.** Short-term tobacco smoke exposure delays contractile force recovery following lengthening contractions. In: *Joining Forces 2020*, Palm Desert, CA.
7. **Nogueira, L.**, Tachibana, S., Lam K., Khosrowjerdi S., Gilmore, N., Etxaniz, U., Puri, P.L., Hogan, M.C., Ross, R.S., and Cho, Y. Denervation alters contractility, intracellular Ca²⁺-transients, and increases fatigue resistance in skeletal myofibers. In *Keystone Symposia: New Insights into the Biology of Exercise*. Keystone, CO, 2020.
8. Gilmore, N.K., Hogan, M.C., and **Nogueira, L.** Inhibition of S-nitrosoglutathione Reductase During Contractions Slows Recovery of Low-Frequency Force in Isolated Fast-twitch Muscle and in Intact Single Myofibers. In: *Experimental Biology Meeting 2020*, San Diego. The FASEB Journal, 2022. v. 34. <https://doi.org/10.1096/fasebj.2020.34.s1.07294>
9. Stevens, N., Davila, D., De-Perio, M., Souresrafil, E., Nguyen, N., Hogan, M.C., Breen, E.C., and **Nogueira, L.** Cigarette Smoke Exposure in Mice Impairs Force Development of Injured Fast-Twitch Skeletal Muscles. In: *Experimental Biology Meeting 2020*, San Diego. <https://doi.org/10.1096/fasebj.2020.34.s1.05789>

10. **Nogueira, L.**, Svensson, K., Schenk, S., and Hogan, M.C., PO₂-dependent changes in contractility and mitochondrial activation in single myofibers from young and old mice. In: *American College of Sports Medicine Meeting*. 2020, San Francisco.
11. **Nogueira, L.** and Breen, E.C. Enhanced O₂-Dependent Mitochondrial Activation in Myofibers from CMP N-Glycolylneuraminic Acid Hydroxylase (Cmah) Gene Inactivated Mice. In: *Biophysical Society Meeting*, 2020, San Diego. *Biophysical Journal*, 2020. v. 118. p. 450A-450A.
12. Gilmore, N. K.; Hogan, M. C., **Nogueira, L.** Nitric oxide dependent delay in post-fatigue contractile recovery in isolated fast-twitch muscle: The role of the S-nitrosogluthathione reductase. In: *Experimental Biology Meeting*, 2019, Orlando, FL. *The FASEB Journal*, 2019. v. 33. p. 538.6-538.6.
https://doi.org/10.1096/fasebj.2019.33.1_supplement.538.6
13. **Nogueira, L.**; Tachibana, S., Gilmore, N. K., Etxaniz, U., Puri, P. L., Hogan, M. C., Ross, R.S., Cho, Y. Overexpression of Perm1 in skeletal muscles recovers the denervation induced decrease in mitochondrial proteins but did not alter the changes in muscle contractility. In: *Alternative Muscle Club Meeting*, 2018, La Jolla, CA.
14. Gilmore, N. K., Hogan, M. C., **Nogueira, L.** Acute inhibition of the S-nitrosogluthathione reductase (GSNOR) in isolated fast-twitch muscle delays the contractile recovery post-fatigue. In: *Alternative Muscle Club Meeting*, 2018, La Jolla, CA.
15. **Nogueira, L.** and Hogan, M.C. Fatigue-induced changes in intracellular calcium transients in single myofibers from parvalbumin conditional knockout mice. In: *ACSM Conference on Integrative Physiology of Exercise*, San Diego, CA, 2018
16. Ramirez-Sanchez, I., **Nogueira, L.**, Hogan, M.C., Ciaraldi, T.P., Dugar, S., Schreiner, G., Henry, R.R. R. R., Ceballos, G., Villarreal, F. (+)-Epicatechin Stimulates Mitochondria Biogenesis Related Pathways Leading To Improved Exercise Performance In Rats. In: *ACSM Conference on Integrative Physiology of Exercise*, 2018, San Diego, CA.
17. Ancillotti, M.T.C., Yamashita, A.M.S., Sorenson, M.M., Puri, P.L., **Nogueira, L.** The role of GSNOR during the differentiation of C2C12 cells. In: *XIX Brazilian Society of Cell Biology*, 2018, São Paulo, SP, Brazil.
18. Lima-Rosa, F.L., Bilian, P.J., **Nogueira, L.**, Klip, A. The glutathione recycling system is a regulator of myotube contraction-induced GLUT4 translocation to the plasma membrane. In: *IUPS 38th World Congress*, 2017, Rio de Janeiro, RJ, Brazil.
19. Yamashita, A.M.S., Ancillotti, M.T.C., **Nogueira, L.** Mermelstein, C.S., Sorenson, M.M. Nitric Oxide and cGMP Increases Proliferation of Skeletal Muscle Cells. In: *46th Brazilian Society for Biochemistry and Molecular Biology 2017*, Águas de Lindoia, SP, Brazil.
20. Yamashita, A.M.S., Ancillotti, M.T.C., Rangel, L.P., Fontenele, M., Figueiredo-Freitas, C., Possidonio, A., Soares, C.P., Sorenson, M.M., Mermelstein, C.S., **Nogueira, L.** S-nitrosogluthathione reductase modulates myoblast proliferation and fusion independently of sGC activation. In: *Gordon Research Conference - Myogenesis*, 2017, Barga, Italy.
21. Yamashita, A.M.S., Ancillotti, M.T.C., Sorenson, M.M., Mermelstein, C.S., **Nogueira, L.** Role of S-nitrosogluthathione reductase on controlling protein S-nitrosylation during myogenesis in primary cultures of muscle progenitor cells. In: *XVIII Brazilian Society of Cell Biology*, 2016, São Paulo, SP, Brazil.

22. Yamashita, A.M.S., Figueiredo-Freitas, C., Soares, C.P., Possidonio, A., **Nogueira, L.**, Mermelstein, C.S., Sorenson, M.M. S-nitrosoglutathione reductase and S-nitrosocysteine modulate myoblast proliferation and fusion. In: *23rd International Congress of the IUBMB 2015*, Foz do Iguaçu, Brazil.
23. Lima-Rosa, F.L., Sorenson, M.M., **Nogueira, L.** Effects of intraperitoneal injections of cigarette smoke extract on isolated skeletal muscle contractility. In: *23rd International Congress of the IUBMB 2015*, Foz do Iguaçu, Brazil.
24. Lima-Rosa, F.L., Trisko, B., Hogan, M.C., Breen, E.C., **Nogueira, L.** Chronic treatment with cigarette smoke extract exacerbates the fatigue-induced slowing of relaxation and Ca²⁺-uptake in single mouse fibers. In: *16th International Biochemistry of Exercise Congress (IBEC)*, 2015, São Paulo, SP, Brazil.
25. Trisko, B., **Nogueira, L.**, Wagner, P.D., Breen, E.C. Cigarette smoke impairs the *in situ* fatigue resistance of locomotor skeletal muscle in mice. In: *Experimental Biology*, 2014, San Diego. FASEB Journal, 2014. v. 28. p. 1102.18-1102.18. https://doi.org/10.1096/fasebj.28.1_supplement.1102.18
26. Figueiredo-Freitas, C., Foster, M.W., **Nogueira, L.**, Liang, J., Yamashita, A., Dulce, R., Thompson, J.W., Hare, J.H., Mosoley, M.A., Sorenson, M.M., Pinto, J.R. S-Nitrosylation Decreases Ca²⁺ Sensitivity and Actomyosin ATPase Activity of Contractile Proteins in Cardiac Myofibrils. In: *Biophysical Society 57th Annual Meeting*, 2013, Philadelphia. Biophysical Journal, 2013. v. 104. p. 451a.
27. **Nogueira, L.**, Bailey, S.J., Shiah, A., Gandra, P.G., Hogan, M.C. Sodium Nitrite Incubation at Physiological PO₂ Increases Fatigue Resistance in Intact Single Mouse Fibers. In: *ACSM Annual Meeting*, 2013, Indianapolis-IN. Medicine & Science in Sport & Exercise, 2013. v. 45. p. S153-S153.
28. Gandra, P.G., **Nogueira, L.**, Shiah, A., Hogan, M.C. A Mitochondrial Targeted antioxidant Improves Force recovery after Fatigue In Intact single Myofibers at Low PO₂. In: *ACSM Annual Meeting 2013*, Indianapolis-IN. Medicine & Science in Sport & Exercise, 2013. v. 45. p. S155-S155.
29. Shiah, A., **Nogueira, L.**, Gandra, P.G., Hogan, M.C. Effect of hypoxia on single skeletal muscle fiber contractility at physiological temperature. In: *Experimental Biology 2012*, San Diego. The FASEB Journal, 2012. v. 26. p. 1078.27-1078.27. https://doi.org/10.1096/fasebj.26.1_supplement.1078.27
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33. **Nogueira, L.**, Hogan, M.C. Effects of low PO₂ on contractile and Ca²⁺ kinetics during fatigue in single mouse myofibers at 35°C. In: *58th ACSM Annual Meeting*, 2011, Denver, CO. Medicine & Science in Sport & Exercise. Philadelphia, PA: Lippincott Williams & Wilkins, 2011. v. 43. p. S25-S25.

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35. **Nogueira, L.**, Knapp, A.E., Hogan, M.C. Phenol increases twitch tension by increasing Ca²⁺ transients in intact single *Xenopus* myofibers. In: *Experimental Biology*, 2010, Anaheim, CA. The FASEB Journal, 2010. v. 24. p. 1048.10. https://doi.org/10.1096/fasebj.24.1_supplement.1048.10
36. **Nogueira, L.**, Knapp, A.E., Hogan, M.C. Effect of Cross-Bridge Cycling Inactivation on Calcium Handling During Fatigue in Single Skeletal Muscle Fibers. In: *57th ACSM Annual Meeting 2010*, Baltimore, MD. Medicine & Science in Sports & Exercise. Philadelphia, PA: Lippincott Williams & Wilkins, 2010. v. 42. p. 828.
37. Zuo, L., **Nogueira, L.**, Hogan, M.C. Reactive Oxygen Species Formation during Tetanic Contractions Inducing Fatigue in Single Isolated *Xenopus* Myofibers. In: *ACSM Conference on Integrative Physiology of Exercise*, 2010, Miami, FL. Medicine & Science in Sports & Exercise. Philadelphia: Lippincott Williams & Wilkins, 2010. v. 42. p. 58-59.
38. Shiah, A., **Nogueira, L.**, Hogan, M.C. Acute Exposure to (-)-epicatechin does not Affect Resistance to Fatigue in Single Isolated *Xenopus* Myofibers. In: *Southwest Chapter of the ACSM (SWACSM)*, 2010, San Diego, CA.
39. Hogan, D., **Nogueira, L.**, Hogan, M.C. Oxaloacetate enhances resistance to fatigue in in vitro mouse soleus muscle. In: *Southwest Chapter of the ACSM (SWACSM)*, 2010, San Diego, CA.
40. Figueiredo-Freitas, C., Casimiro-Lopes, G., **Nogueira, L.**, Sorenson, M.M. S-nitrosylation of myosin by NO is regulated by oxygen pressure (pO₂). In: *Brazilian Federation of Experimental Biology Societies (FeSBE) 2010*, Águas de Lindóia, SP, Brazil.
41. Figueiredo-Freitas, C., Veltri, T., Monteiro, J., Casimiro-Lopes, G., **Nogueira, L.**, Sorenson, M.M. S-nitrosation of skeletal muscle contractile proteins reduces Ca²⁺ sensitivity and inhibits myosin activity in vitro. In: *Brazilian Society for Biochemistry and Molecular Biology 2009*, Águas de Lindóia, SP, Brazil.
42. Figueiredo-Freitas, C., **Nogueira, L.**, Magdesian, M., Sorenson, M.M. Myosin forms S-nitrosothiols by transnitrosation and is a target of S-nitrosation in skinned muscle fibers. In: *Brazilian Society for Biochemistry and Molecular Biology 2008*, Águas de Lindóia, SP, Brazil.
43. Ferreira, A.M., Ledo, J.H., Reynaldo, D.P., Figueiredo-Freitas, C., **Nogueira, L.**, Castro, C.L.N., Sorenson, M.M. Glycation affects myosin subfragment-1 ATPase activity. In: *Brazilian Society for Biochemistry and Molecular Biology 2008*, Águas de Lindóia, SP, Brazil.
44. Figueiredo-Freitas, C., **Nogueira, L.**, Magdesian, M., Sorenson, M.M. Myosin and actin of skinned skeletal muscle fibers are targets for S-nitrosylation.. In: *Brazilian Federation of Experimental Biology Societies (FeSBE) 2007*, Águas de Lindóia, SP, Brazil.
45. **Nogueira, L.**, Figueiredo-Freitas, C., Magdesian, M., Sorenson, M.M. Myosin activity is reduced by S-nitrosation being an important target for nitrosative stress in skinned muscle fibers.. In: *V Meeting of SFRBM South American Group*, 2007, Montevideo, Uruguay.
46. **Nogueira, L.**, Sorenson, M.M. S-nitrosation forms labile -SNO bonds that affect Mg²⁺ATPase activity of skeletal muscle myosin. In: *13th Society for Free Radical Biology and Medicine*, 2006, Denver. Free Radical Biology and Medicine. Amsterdam: Elsevier, 2006. v. 41. p. S128-S128.

47. Costa, L.S., Silva, A.P.P., **Nogueira, L.**, Sorenson, M.M., Sola-Penna, M. Putative effects of nitric oxide on skeletal muscle 6-phosphofructo-1-kinase regulation. In: *Brazilian Society for Biochemistry and Molecular Biology* 2005, Aguas de Lindoia, SP, Brazil.
48. Machado, C.J.V., **Nogueira, L.**, Menezes, R.S., Foguel, D., Saadi, L.M.V., Sorenson, M.M. Phenol increases Ca²⁺ sensitivity in mammalian skinned fibers and uncouples the actomyosin ATPase activity without affecting Ca²⁺ binding to troponin C. In: *Brazilian Society for Biochemistry and Molecular Biology* 2004, Caxambu, MG, Brazil.
49. **Nogueira, L.**, Assreuy, J., Sorenson, M.M. Characterization of S-nitrosylation in skeletal muscle myosin and its effects on ATPase activity. In: *Brazilian Society for Biochemistry and Molecular Biology* 2003, Caxambu, MG, Brazil.
50. **Nogueira, L.**, Sorenson, M.M. Effects of nitric oxide donors on contractile properties of myosin. In: *Brazilian Society for Biochemistry and Molecular Biology* 2002, Caxambu, MG, Brazil.
51. **Nogueira, L.**, Machado, C.J.V., Saadi, L.M.V., Sorenson, M.M. Effects of phenol on Ca²⁺-induced tension in skinned fast- and slow-twitch skeletal muscle fibers of rabbit. In: *Brazilian Society for Biochemistry and Molecular Biology* 2001, Caxambu, MG, Brazil.

NON-REFEREED PROCEEDINGS

Before Tenure

1. Pierce, S. **Nogueira, L.** Cigarette smoke exposure effects on diaphragms susceptibility for ventilator-induced diaphragm dysfunction. In: *2023 San Diego State University Student Symposium (S3)*, San Diego, CA.
2. Marshall, L., **Nogueira, L.** Effects of smoking on locomotor muscle adaptations to chronic electrical stimulation. In: *2023 San Diego State University Student Symposium (S3)*, San Diego, CA.

PUBLICATIONS IN PROCESS

Before Tenure

Nothing to report.

SCHOLARLY AWARDS

Before Tenure

1. 2007 International Travel Award to attend the 5th SFRBM meeting, South American Group and 5th International Conference on Peroxynitrite and Reactive Nitrogen Species, Montevideo, Uruguay.

FUNDED RESEARCH GRANTS

Before Tenure

Active Grants

1. \$7,500 - Cigarette smoke exposure effects on diaphragm's susceptibility for ventilator-induced diaphragm dysfunction, **Principal Investigator**, San Diego State University SEED grant program (SDSU), Acceptance Rate: 42%, 12/31/2022 – 12/31/2023
2. \$1,166,328 - Mechanisms of COPD sustained muscle inflammation impeded myofiber repair and function, **Principal Investigator**, Tobacco-Related Disease Research Program (TRDRP) Research Award (T32IR5221; State), Acceptance Rate: Not available, 08/16/2022 – 08/15/2025

3. \$1,170,000 - Targeting IL-33 for the treatment of SARS-CoV 2 respiratory disease in smokers, Co-Investigator (PI: Breen/Jennings), Tobacco-Related Disease Research Program (TRDRP) Research Award (T32IR4683; State), Acceptance Rate: Not available, 07/01/2022 – 06/30/2025
4. \$750,000 - Cigarette smoke effects on nitric oxide-dependent muscle regeneration, **Principal Investigator**, Tobacco-Related Disease Research Program (TRDRP) New Investigator Award (T29KT0397; State), Acceptance Rate: Not available, 04/01/2019 – 06/31/2024.

Completed Grants

1. \$400,000 - Role of Perm1, a novel mitochondrial regulatory protein in cardiac ischemia, Co-investigator (PI: Cho), Tobacco-Related Disease Research Program (TRDRP), Pilot Project Grant (T31IP1606; State), Acceptance Rate: Not available, 07/01/2020 – 6/30/2022.
2. \$6,500 - The role of nitrite reductase activity on muscle function and fatigue resistance, **Principal Investigator**, Ministry of Science - CNPq (Brazil; Federal), Acceptance Rate: Not available, 03/01/2017 – 02/28/2019.
3. \$7,000 - The role on systemic inflammation on skeletal muscle function, **Principal Investigator**, FAPERJ – APQ1 (Brazil; State), Acceptance Rate: Not available, 08/01/2014 – 07/31/2015.
4. \$40,000 - Molecular mechanisms of cigarette smoking on skeletal muscle function, **Principal Investigator**, CAPES (Brazil; Federal), Acceptance Rate: Not available, 01/05/2014 – 08/13/2015.

FUNDED TRAINING GRANTS

Before Tenure

1. \$ 20,000 - Graduate (Ph.D.) study fellowship (Grant Agency: CNPq – Brazil, Federal), Acceptance Rate: Not available, 2003–2008
2. \$ 4,800 - Graduate (M.Sc.) study fellowship (Grant Agency: CAPES – Brazil, Federal), Acceptance Rate: Not available, 2001–2003

GRANTS SUBMITTED

Before Tenure

1. *In Review*: \$ 230,745 - Detection of dynamic subcellular O₂ regulation in skeletal myofibers. Co-investigator, NIH R21 (1R21AR084215-01, Federal), Acceptance rate: Not available, 04/01/2024 – 03/31/2026
2. *Not funded*: \$ 300,000 - Elucidation of cannabidiol mechanisms regulating muscle regeneration after exercise-induced injury, Co-Principal Investigator, Center for Medicinal Cannabis Research (CMCR) (State), Acceptance Rate: Not available, 04/01/2022– 03/31/2024
3. *Not funded*: \$ 434,500 - Angiotensin II-dependent diaphragm dysfunction during SARS-CoV-2 infection: The risk of cigarette smoke use, Principal Investigator, NIH R21 (Federal), Acceptance Rate: Not available, 10/2/2023 – 10/1/2025
4. *Not funded*: \$ 650,000 - Diaphragm dysfunction during SARS-CoV-2 infection: The risk of cigarette smoke use. Principal Investigator, Tobacco-Related Disease Research Program (TRDRP) Pilot Award (State), Acceptance Rate: Not available, 07/01/2022 - 06/30/2024

5. *Not funded*: \$ 2,442,827- Mechanisms of COPD sustained muscle inflammation impeded myofiber repair and function, Principal Investigator, NIH R01 (Federal), Acceptance Rate: 5%, 09/01/2021 – 08/31/2026, Scored 38th percentile.

PARTICIPATION IN PROFESSIONAL ASSOCIATIONS

Before Tenure

1. American Physiological Society - Environmental & Exercise Physiology Section
2. American College of Sports Medicine
3. Southwest chapter of the American College of Sports Medicine

WORKS-IN-PROGRESS

Nothing to report.

TEACHING EFFECTIVENESS

Undergraduate student mentoring and co-mentoring

- 2023 – present Tyler McClure Kent, undergraduate student (ENS-SDSU). Projects: Cigarette smoke exposure in mice effects on muscle regeneration / Role of exogenous pyruvate and acetate on muscle fatigue resistance in slow-twitch muscles. Role: Mentor
- 2023 – present Kyle Dominguez, undergraduate student (ENS-SDSU). Projects: Cigarette smoke exposure in mice effects on muscle regeneration. Role: Mentor
- 2023 – present Kristen Keeble, undergraduate student (ENS-SDSU). Projects: Cigarette smoke exposure in mice effects on muscle regeneration. Role: Mentor
- 2022 – present Dylan Kasper, undergraduate student (ENS-SDSU). Project: Effects of nitrate supplementation on muscle recovery after intramuscular injury with BaCl₂ in mice. Role: Mentor
- 2022 – present Simon Pierce, undergraduate student (ENS-SDSU). Project: Role of nitric oxide metabolism on production of S-nitrosothiols in the diaphragm during mechanical ventilation in mice. Role: Mentor
- 2022 – present Lloyd Marshall, undergraduate student (ENS-SDSU). Project: Role of single-leg exercise training on muscle satellite cell incorporation in muscle fibers in mice. Role: Mentor.
- 2021 – 2022 Christina Do, undergraduate student (UCSD). Project: Measurement of satellite cell proliferation in collagenase-digested myofibers from mice treated with cigarette smoke extract. Role: Mentor.
- 2021 – 2021 Timothy Chuong, undergraduate student (UCSD). Project: Activation of mitochondrial function during contraction in single myofibers from mice. Role: Mentor.
- 2019 – 2020 Erin Rosales, undergraduate student (UCSD). Project: Measurements of angiotensin converting enzyme-2 expression in the diaphragm from mice treated with COVID recombinant spike proteins. Role: Mentor.
- 2015 – 2017 Maryana Tavares de Campos Ancillotti, undergraduate student (UFRJ). Project: Measurements of myotube formation in progenitor muscle cells from chicken embryos in response to S-nitrosoglutathione reductase inhibitor treatment. Role: Mentor.
- 2011 – 2013 Amy A. Shiah, undergraduate student (UCSD). Project: Measurements of calcium kinetics in intact single myofibers during electrical stimulations when myosin ATPase activity is blocked. Role: Co-mentor.

Graduate student mentoring and co-mentoring

- 2023 – present Jacob Baker, M.Sc. candidate (SDSU-ENS). Thesis project: Cigarette smoke exposure effects on diaphragm's susceptibility for ventilator-induced diaphragm dysfunction. Role: Mentor

- 2023 – present Jennah Brown, M.Sc. candidate (SDSU-ENS). Thesis project: Effects of cigarette smoke exposure on the formation of new myofibers after muscle injury induced by lengthening contractions. Role: Mentor
- 2022 – present Megan Mattson, M.Sc. candidate (UCSD). Thesis project: Effects of nitrate supplementation on muscle recovery after lengthening contractions in mice. Role: Co-mentor
- 2019 – 2021 Natalie Gilmore, M.Sc. (UCSD), Thesis title: The role of S-nitrosoglutathione reductase on skeletal muscle contractile function during recovery from fatigue. Role: Co-mentor
- 2019 – 2021 Nicole Stevens, M.Sc. (UCSD), Thesis title: The consequences of short-term and long-term cigarette smoke exposure in mice on satellite cell activation and muscle regeneration after muscle overuse damage. Role: Co-mentor
- 2015 – 2018 Frederico Luis Lima Rosa, M.Sc. (UFRJ Brazil), Thesis title: The consequences of chronic cigarette smoke extract treatment on intact muscle contractile function. Role: Mentor
- 2014 – 2018 Aline Miyoko Sakaguchi Yamashita, Ph.D. (UFRJ Brazil), Thesis title: The role of S-nitrosylation/denitrosylation balance in cell signaling during myogenesis. Role: Mentor

Committee Member

- 2023 Gabrielle Nicole Antonio (M.Sc. Exercise Physiology, SDSU), Thesis title: Chest Wall Strapping and Dynamic Hyperinflation in Healthy Volunteers.
- 2017 André Felipe Batista (Ph.D. Biological Sciences Biochemistry, Federal University of Rio de Janeiro, Brazil), Thesis title: Neurotoxic effects of a-beta oligomers in the synaptic dysfunction in experimental models of Alzheimer disease: Neuroprotection by an antidiabetic agent.
- 2015 Ruy Andrade Louzada Neto (Ph.D. Physiology, Federal University of Rio de Janeiro, Brazil), Thesis title: Regulation of type II iodothyronine deiodinase in skeletal muscle during cold- and exercise- adaptations in rats.
- 2016 Vinícius Rodrigues de Araújo (M.Sc. Biomedical Sciences Experimental Physiopathology, Federal University of Rio de Janeiro, Brazil), Thesis title: Utilization of saliva markers to evaluate and control physical and cognitive performance in soccer athletes.
- 2016 Luiz Fernando Carvalho Kelly (M.Sc. Biological Sciences Biochemistry, Federal University of Rio de Janeiro, Brazil), Thesis title: Biochemical characterization of phosphate transporters in *Acanthamoeba castellanii* and putative role in the process of encystment.
- 2015 Monique Passos da Silva Carrilho (M.Sc. Exercise Sciences, Federal University of Rio de Janeiro, Brazil), Thesis title: Effects of high intensity interval training in muscle atrophy and apoptosis and oxidative profile in rats exposed to a cafeteria diet.

- 2015 Nathália Rocco Machado (M.Sc. Biological Sciences Biochemistry, Federal University of Rio de Janeiro, Brazil), Thesis title: Modulation of Na⁺/K⁺ ATPase activity by hydrogen peroxide produced by heme in *Leishmania amazonensis*.
- 2015 Anderson Ferreira da Silva Porto (M.Sc. Physiology, Federal University of Rio de Janeiro, Brazil), Thesis title: Skeletal muscle injury therapy by a combination of physical exercise and antifibrotic agent.
- 2015 Luiz Felipe Garcia e Souza (M.Sc. Biological Sciences Biochemistry, Federal University of Rio de Janeiro, Brazil), Thesis title: Study of the alterations in mitochondrial metabolism induced by thrombin in human platelets.

Teaching Awards

Nothing to report.

Participation in Teaching Training or Teaching Conferences

Nothing to report.

Publication of Textbooks and Other Teaching Aids

Nothing to report.

Curriculum Development and Teaching Innovations

Nothing to report.

COURSES TAUGHT AT SDSU

Semester	Course #	Course Name	Number of Students	Level (i.e., upper, lower, grad)	Modality (i.e., online, in-person, hybrid)	Co - Taught?
Fall 2022	ENS 304	Physiology of Exercise	42	Upper	In-Person	No
Spring 2023	ENS 304	Physiology of Exercise	118	Upper	In-Person	No
Spring 2023	ENS 499	Special Studies	2	Upper	In-Person	No
Fall 2023	ENS 304	Physiology of Exercise	85	Upper	In-Person	No
Fall 2023	ENS 499	Special Studies	3	Upper	In-Person	No

COURSES TAUGHT AT OTHER INSTITUTIONS

Federal University of Rio da Janeiro, Rio de Janeiro, Brazil (Physical Therapy course)

Semester	Course #	Course Name	Number of Students	Level (i.e., upper, lower, grad)	Modality (i.e., online, in-person, hybrid)	Co - Taught?
Fall 2021	BQM147	Biochemistry	50	Lower	Online	No
Spring 2021	BQM147	Biochemistry	50	Lower	Online	No
Fall 2020	BQM147	Biochemistry	50	Lower	Online	No
Spring 2020	BQM147	Biochemistry	50	Lower	Online	No
Spring 2017	BQM147	Biochemistry	50	Lower	In-Person	No
Fall 2016	BQM147	Biochemistry	50	Lower	In-Person	No

Spring 2016	BQM147	Biochemistry	50	Lower	In-Person	No
Fall 2015	BQM147	Biochemistry	50	Lower	In-Person	No
Spring 2015	BQM147	Biochemistry	50	Lower	In-Person	No
Fall 2014	BQM147	Biochemistry	50	Lower	In-Person	No

Estacio de Sá University, Rio da Janeiro, Brazil (Kinesiology and Physical Therapy courses)

Semester	Course Name	Number of Students	Level (i.e., upper, lower, grad)	Modality (i.e., online, in-person, hybrid)	Co - Taught?
Spring 2008	Exercise Physiology I and II	120	Upper	In-Person	No
Fall 2007	Exercise Physiology I and II	120	Upper	In-Person	No
Spring 2007	Exercise Physiology I and II	120	Upper	In-Person	No
Fall 2006	Exercise Physiology I and II	120	Upper	In-Person	No
Spring 2006	Exercise Physiology I	50	Upper	In-Person	No
Fall 2005	Exercise Physiology/Human Physiology	120	Upper	In-Person	No
Spring 2005	Exercise Physiology I	50	Upper	In-Person	No
Fall 2004	Exercise Physiology I	50	Upper	In-Person	No

SERVICE

Service for the Department

1. 2023 – Present Kinesiology Exercise Physiology Search Committee (ENS-SDSU)
2. 2023 – Present Faculty Hearing Panel (ENS-SDSU)
3. 2023 Physical Activity Behavioral Science Search Committee (ENS-SDSU)
4. 2022 – Present Exercise Physiology Admissions Committee (ENS-SDSU)
5. 2022 – Present Dual Master's Degree Programs Admissions Committee (ENS-SDSU)
6. 2018 – 2022 Physiological Science Seminar organizer (Department of Medicine, UCSD).

Service for the College

1. 2023 Invited Presenter at the CHHS workshop on Seed Grant

Service for the University

1. 2023 – Present SDSU IACUC Committee member
2. 2023 Judge at the 2023 SDSU Student Research Symposium (S3)
3. 2021 – 2022 Medical Scientist Training Program (MD/PhD) Admissions Committee Member (School of Medicine, UCSD).
4. 2014 – 2017 Biohazard and chemical hazard security committee (Federal University of Rio de Janeiro, Brazil)

Service for the Profession

1. 2023 Peer Review Committee Member for 23-24 American Heart Association Pre-doctoral and Post-doctoral Fellowship – Basic: Vascular Wall Biology Angiogenesis and Non-Atherosclerotic Disease
2. 2023 Symposium organizer “New Insights About the Consequences of the Exposure to Tobacco Products on Cardiac and Skeletal Muscle”. In: *SWACSM Chapter Meeting*, Costa Mesa, CA
3. 2022 – Present Editorial board – Journal of Applied Physiology
4. 2022 – Present Editorial board – Frontiers in Physiology (Striated Muscle Physiology)
5. 2021 Invited talk: “Cigarette smoke exposure effects on muscle repair after injury”. In: *Annual CPGLO meeting*, La Jolla, CA.
6. 2018 Invited talk: “Skeletal muscle function at physiological PO₂ conditions.” In: *Annual CPGLO meeting*, La Jolla, CA.

7. 2011 Invited talk: “Inhibition of myosin ATPase results in prolonged SERCA function during fatiguing contractions in single skeletal muscle fibers.” In: *ACSM 58th Annual Meeting*, Denver, CO.
8. 2010 Invited talk: “Skeletal Muscle Calcium Handling and SERCA Function during Exercise”. In: *SWACSM Chapter Meeting*, San Diego, CA.
9. 2018 – Present Reviewer - American Journal of Physiology - Cell Physiology
10. 2013 – present Reviewer - Respiratory Physiology and Neurobiology
11. 2012 – present Reviewer - Applied Physiology, Nutrition and Metabolism
12. 2011 – present Reviewer – Journal of Physiology
13. 2010 – present Reviewer - Journal of Applied Physiology

Service for the Community

Nothing to report.