TEXAS STATE VITA

I. Academic/Professional Background

A. Name and Title

Name: Dr. Milena Samora

Title: Assistant Professor

B. Educational Background

Degree	*Year*	*University*	*Major*	*Thesis/Dissertation*
Ph.D.	2020	University of Brasília, Brasilia, DF, Brazil	Physical Education	Sex difference in neural control of blood pressure during isometric exercise
M.S.	2016	Federal University of Triangulo Mineiro, Uberaba, MG, Brazil	Physical Education	Effects of chronic administration of erythropoietin and exercise training on cardiovascular autonomic modulation in rats Wistar
Ed.S	2014	Federal University of Sao Paulo, Sao Paulo, SP, Brazil	Exercise Physiology Applied to the Clinic	Effect of exercise training on cardiac autonomic imbalance in obese rats induced by a high-fat diet
B.S.	2012	Federal University of Uberlandia, Uberlandia, MG, Brazil	Physical Education	Physical and anthropometric profile of street cleaner workers in Uberlandia/MG.

C. University Experience

Position	*University*	*Comments*	*Dates*
Assistant Professor, Department of Health and Human Performance	Texas State University		August 16, 2024 - Present
Adjunct Professor, Department of Kinesiology & Health Education	University of Texas at Austin, Austin, TX, United States	Temporary appointment for research purposes	2024 - Present
Postdoctoral Fellow, Department of Kinesiology & Health Education	University of Texas at Austin, Austin, TX, United States		2021 - 2024
Visiting Research Assistant	University of Auckland, Auckland, New Zealand	I was awarded a scholarship from CAPES, an agency under the Ministry of Education of Brazil, to conduct part of my doctoral research as a Visiting Student for 6 months at the Department of Physiology in University of Auckland. I was able to learn a new technique,	2019 - 2020

Position	*University*	*Comments*	*Dates*
		collect data, write and submit a manuscript. As a result, I have a peer-reviewed publication and an award from the American Physiological Society.	
Adjunct Professor, Faculty of Physical Education	University of Brasilia, Brasilia, Brazil		2018 - 2019
Adjunct Professor, Faculty of Physical Education	Federal University of Triangulo Mineiro, Uberaba, Brazil		2016 - 2016
Visiting Undergraduate Student, Sport Sciences and Physical Education	University of Coimbra, Coimbra, Portugal	I was awarded a scholarship from Federal University of Uberlandia in agreement with a Bank Institution to attend to undergraduate courses for 1 year as a Visiting Undergraduate Student at the Faculty of Sport Science and Physical Education in University of Coimbra. Some of the courses I took were used as leveling courses to fulfill the requirements of my original undergraduate program in Brazil.	2009 - 2010

D. Relevant Professional Experience

Position	*Entity*	*Dates*
Handball referee	Minas Gerais Handball Federation, Brazil	2011 - 2019
Women's team handball coach	Djalma Santos Academic Athletic Association, University of Triangulo Mineiro, Uberaba, Brazil	2014 - 2015

II. TEACHING

A. Courses Taught:

Texas State University, San Marcos, TX, USA

ESS 5317 - Exercise Physiology
ESS 5306 - Advanced Exercise Physiology
ESS 3317 - Exercise Physiology
ESS 5347 - Independent Study Exercise Science
ESS 5399A - Thesis

University of Brasilia, Faculty of Physical Education, Brasilia, DF, Brazil

Professional Internships
Exercise Physiology
Measurements and Assessments in Physical Education

Federal University of Triangulo Mineiro, Faculty of Physical Education, Uberaba, MG, Brazil

Professional Internship III – Health
Fundamentals of Sports II - Team Sports III (Basketball)
Fundamentals of Sports II - Team Sports IV (Handball)
Mental health, aging, and physical exercise

B. Directed Student Learning (i.e. theses, dissertations, exit committees, etc.):

Supervisor/Chair, Applied Research Project, "The effects of a personalized AI tutor on student learning and assignment performance: a multidisciplinary study", Status: In Progress. (January 2026 - Present).
Student(s): Chibueze G. Uchegbu, Graduate.

Supervisor/Chair, Independent Study, "The role of oxidative stress in arterial baroreflex dysfunction in type 2 diabetic rats", Status: In Progress. (January 2026 - Present).
Student(s): Paulo Engelke, Graduate.

Supervisor/Chair, Applied Research Project, "The role of oxidative stress in arterial baroreflex dysfunction in type 2 diabetic rats", Status: Completed. (August 2025 - December 2025).
Student(s): Paulo Engelke, Graduate.

Supervisor/Chair, Culminating project, "Arterial baroreflex dysfunction in type 2 diabetes: a literature review", Status: Completed. (August 2025 - December 2025). Department of Health and Human Performance, Texas State University.
Student(s): Elana Yoffie, Graduate.

Supervisor/Chair, Independent Study, "Arterial baroreflex dysfunction in type 2 diabetes: a literature review", Status: Completed. (January 2025 - May 2025). Department of Health and Human Performance, Texas State University.
Student(s): Elana Yoffie, Graduate.

Supervisor/Chair, Independent Study, Status: Completed. (2017). Federal University of Triangulo Mineiro.
Student(s): Gustavo Edmundo Mota, Undergraduate.

Supervisor/Chair, Teaching Assistant, Status: Completed. (2016). Federal University of Triangulo Mineiro.
Student(s): Fernanda Rodrigues Carvalho de Paiva, Undergraduate.

Supervisor/Chair, Teaching Assistant, Status: Completed. (2016). Federal University of Triangulo Mineiro.
Student(s): Gabriela Nicolino Soares, Undergraduate.

C. Teaching Professional Development Activities Attended

Symposium, "AI in Teaching & Learning," Texas State University. (2025).

Continuing Education Program, "Teaching Online at Texas State Certification course," Texas State University. (2024).

III. SCHOLARLY/CREATIVE

A. Works in Print (including works accepted, forthcoming, in press):

1. Articles:

a. Refereed Journal Articles:

McAllister, M. J., Tanksley, P. T., Martaindale, H., DeArman, A., Samora, M., Martin, S. E., & Gonzalez, D. E. (Accepted/In Press). Inflammation on the Frontlines: Linking Salivary and Blood Biomarkers to Cardiometabolic Health and Physical Performance Parameters in Firefighters. *Journal of Occupational and Environmental Medicine*. https://doi.org/10.1097/JOM.0000000000003792

McIntire, J., Oyeyemi, H. O., Harrison, M. L., Chidurala, S., McCuller, R. K., Samora, M., Huo, Y., Grotle, A.K., Stone, A.J., Stanhope, K.L., Havel, P.J., Prisby, R. (2026). Trabecular and Cortical Bone and Ossified Vessel Analysis in Rat Tibiae and Femora in a Polygenic Rat Model for Type 2 Diabetes Mellitus. *Diabetology*, *7*(4). https://doi.org/https://doi.org/10.3390/diabetology7040079
McIntire J. et al. (2026). Diabetology.pdf

Samora, M. (2025). Rerouting blood flow during exercise: the emerging role of 5-HT7 receptors. *Journal of Cardiovascular Pharmacology*. 85(6), 384–386. https://doi.org/10.1097/FJC.0000000000001693
Samora M. (2025). Journal of Cardiovascular Pharmacology.pdf

Huo, Y., Samora, M., Mcculler, K. R., Stanhope, K. L., Havel, P. J., Harrison, M. L., & Stone, A. J. (2024). Interleukin-1 Type 1 Receptor Blockade Attenuates the Exaggerated Exercise Pressor Reflex in Male UC Davis Type 2 Diabetic Mellitus (UCD-T2DM) Rats. *The Journal of Physiology*, 603(18), 5009-5025. https://doi.org/10.1113/JP287120
Huo Y (2024). Journal of Physiology.pdf

Samora, M., Huo, Y., Stanhope, K. L., Havel, P. J., Kaufman, M. P., Harrison, M. L., & Stone, A. J. (2024). Cyclooxygenase products contribute to the exaggerated exercise pressor reflex evoked by static muscle contraction in male UCD-type 2 diabetes mellitus rats. *Journal of Applied Physiology*, 136(5), 1226–1237. https://doi.org/10.1152/japplphysiol.00879.2023
Samora M. et al. (2024). Journal of Applied Physiology.pdf

Stone, A. J., & Samora, M. (2023). Can the exercise pressor reflex still go with the flow? *The Journal of Physiology*, 601(20), 4471–4472.
https://doi.org/10.1113/jp285530
Stone and Samora. (2023). Journal of Physiology.pdf

Samora, M., Huo, Y., McCuller, R. K., Chidurala, S., Stanhope, K. L., Havel, P. J., … Harrison, M. L. (2023). Spontaneous baroreflex sensitivity is attenuated in male UCD-type 2 diabetes mellitus rats: A link between metabolic and autonomic dysfunction. *Autonomic Neuroscience: Basic and Clinical*, 249, 103117.
https://doi.org/10.1016/j.autneu.2023.103117
Samora M et al. (2023). Autonomic Neuroscience.pdf

Samora, M., Grotle, A.-K., & Stone, A. J. (2023). Altered Cardiovascular Responses to Exercise in Type 1 Diabetes. *Exercise and Sport Sciences Reviews*, 51(2), 65–72.
https://doi.org/10.1249/jes.0000000000000314
Samora M. Grotle AK. Stone AJ. (2023). Exercise and Sport Sciences Reviews.pdf

Huo, Y., Grotle, A.-K., McCuller, R. K., Samora, M., Stanhope, K. L., Havel, P. J., … Stone, A. J. (2023). Exaggerated exercise pressor reflex in male UC Davis type 2 diabetic rats is due to the pathophysiology of the disease and not aging. *Frontiers in Physiology*, 13.
https://doi.org/10.3389/fphys.2022.1063326
Huo Y. et al. (2023). Frontiers in Physiology.pdf

Teixeira, A. L., Nardone, M., Samora, M., Fernandes, I. A., Ramos, P. S., Sabino-Carvalho, J. L., … Vianna, L. C. (2022). Potentiation of GABAergic synaptic transmission by diazepam acutely increases resting beat-to-beat blood pressure variability in young adults. *American Journal of Physiology-Regulatory, Integrative and Comparative Physiology*, 322(6), R501–R510.
https://doi.org/10.1152/ajpregu.00291.2021
Teixeira AL. et al. (2022). AJPReg.pdf

Samora, M., & Huo, Y. (2022). Sympathetic nervous activation via thin-fiber muscle afferents: the role of insulin. *The Journal of Physiology*, 600(14), 3219–3220.
https://doi.org/10.1113/jp283282
Samora and Huo (2022). Journal of Physiology.pdf

Incognito, A. V., Samora, M., Shepherd, A. D., Cartafina, R. A., Guimarães, G. M., Daher, M., … Millar, P. J. (2020). Sympathetic arterial baroreflex hysteresis in humans: different patterns during low- and high-pressure levels. *American Journal of Physiology-Heart and Circulatory Physiology*, 319(4), H787–H792.
https://doi.org/10.1152/ajpheart.00505.2020
Incognito AV. et al. (2020). AJPHeart.pdf

Samora, M., Teixeira, A. L., Sabino-Carvalho, J. L., & Vianna, L. C. (2020). Sex differences in cardiac vagal reactivation from the end of isometric handgrip exercise and at the onset of muscle metaboreflex isolation. *Autonomic Neuroscience: Basic and Clinical*, 228, 102714.
https://doi.org/10.1016/j.autneu.2020.102714
Samora M. et al. (2020). Autonomic Neuroscience.pdf

Samora, M., Vianna, L. C., Carmo, J. C., Macedo, V., Dawes, M., Phillips, A. A., … Fisher, J. P. (2020). Neurovascular coupling is not influenced by lower body negative pressure in humans. *American Journal of Physiology-Heart and Circulatory Physiology*, 319(1), H22–H31.
https://doi.org/10.1152/ajpheart.00076.2020
Samora M. et al. (2020). AJPHeart.pdf

Samora, M., & Vianna, L. C. (2020). Holding up under pressure: a complex interplay between cerebral blood flow and ventilatory responses to alterations in carbon dioxide. *Experimental Physiology*, 105(5), 771–772.
https://doi.org/10.1113/ep088570
Samora and Vianna (2020). Experimental Physiology.pdf

Incognito, A. V., Samora, M., Shepherd, A. D., Cartafina, R. A., Guimarães, G. M., Daher, M., … Vianna, L. C. (2020). Arterial baroreflex regulation of muscle sympathetic single-unit activity in men: influence of resting blood pressure. *American Journal of Physiology-Heart and Circulatory Physiology*, 318(4), H937–H946.
https://doi.org/10.1152/ajpheart.00700.2019
Incognito AV. et al. (2020). AJPHeart.pdf

Samora, M., Incognito, A. V., & Vianna, L. C. (2019). Sex differences in blood pressure regulation during ischemic isometric exercise: the role of the β-adrenergic receptors. *Journal of Applied Physiology*, 127(2), 408–414.
https://doi.org/10.1152/japplphysiol.00270.2019
Samora M. et al. (2019). Journal of Applied Physiology.pdf

Sabino-Carvalho, J. L., Samora, M., Teixeira, A. L., Daher, M., & Vianna, L. C. (2019). Circulatory responses at the onset of handgrip exercise in patients with Parkinson's disease. *Experimental Physiology*, 104(6), 793–799.
https://doi.org/10.1113/ep087620
Sabino-Carvalho JL. et al. (2019). Experimental Physiology.pdf

Teixeira, A. L., Samora, M., & Vianna, L. C. (2018). Muscle metaboreflex activation via postexercise ischemia as a tool for teaching cardiovascular physiology for undergraduate students. *Advances in Physiology Education*, 43(1), 34–41.
https://doi.org/10.1152/advan.00174.2018
Teixeira Al. et al. (2018). Advances in Physiology Education.pdf

Samora, M., Teixeira, A. L., Sabino-Carvalho, J. L., & Vianna, L. C. (2018). Spontaneous cardiac baroreflex sensitivity is enhanced during post-exercise ischemia in men but not in women. *European Journal of Applied Physiology*, 119(1), 103–111.
https://doi.org/10.1007/s00421-018-4004-y
Samora M. et al. (2018). European Journal of Applied Physiology.pdf

Incognito, A. V., Samora, M., Cartafina, R. A., Guimarães, G. M., Daher, M., Millar, P. J., & Vianna, L. C. (2018). Pharmacological assessment of the arterial baroreflex in a young healthy obese male with extremely low baseline muscle sympathetic nerve activity. *Clinical Autonomic Research*, 28(6), 593–595. https://doi.org/10.1007/s10286-018-0559-2
Incognito AV. et al. (2018). Clinical Autonomic Research.pdf

Sabino-Carvalho, J. L., Teixeira, A. L., Samora, M., Daher, M., & Vianna, L. C. (2018). Blunted cardiovascular responses to exercise in Parkinson's disease patients: role of the muscle metaboreflex. *Journal of Neurophysiology*, 120(4), 1516–1524. https://doi.org/10.1152/jn.00308.2018
Sabino-Carvalho JL. et al. (2018). Journal of Neurophysiology.pdf

Teixeira, A. L., Samora, M., & Sabino-Carvalho, J. L. (2018). Group III/IV muscle afferents play an independent role in arterial baroreflex resetting during exercise in humans: is it the end of the road? *The Journal of Physiology*, 596(9), 1531–1532. https://doi.org/10.1113/jp275961
Teixeira AL. Samora M. Sabino-Carvalho JL. (2018). Journal of Physiology.pdf

Teixeira, A. L., Ramos, P. S., Samora, M., Sabino-Carvalho, J. L., Ricardo, D. R., Colombari, E., & Vianna, L. C. (2017). GABAergic contribution to the muscle mechanoreflex-mediated heart rate responses at the onset of exercise in humans. *American Journal of Physiology-Heart and Circulatory Physiology*, 314(4), H716–H723. https://doi.org/10.1152/ajpheart.00557.2017
Teixeira AL. et al. (2017). AJPHeart.pdf

2. Abstracts:

**denotes student mentored project*

*Engelke, P., McAllister, M. J., Stanhope, K. L., Havel, P. J., & Samora, M. Non-Invasive Blood Pressure Measurement in Conscious and Anesthetized UCD-Type 2 Diabetes Mellitus Rats. *Physiology*, 41 (S1).

Samora, M., Mossayebi, A., Lopez, A., Zilaei Bouri, M., Thompson, L. M., Morales-Grahl, E., Sheinhaus, D., Gore, A.C., Harrison, M.L., Stone, A. J. Exercise Pressor Reflex is Preserved in Streptozotocin-Induced Female Type 1 Diabetic Rats. *Physiology*, 41 (S1).

Mossayebi, A., Zilaei Bouri, M., Lopez, A. N., Samora, M., Harrison, M. L., & Stone, A. J. Contribution of ASIC3 in evoking the mechanoreflex via tendon stretch and intermittent muscle contraction in type 1 diabetic mellitus rats. *Physiology*, 41 (S1).

*Engelke, P., & Samora, M. (2026). Reliability, Variability and Reproducibility of Non-Invasive Blood Pressure Measurements in Rats. *International Journal of Exercise Science*, *2*(18).
Additional Comments: The student presented his poster at the Texas Chapter of the American College of Sports Medicine (TACSM) Conference in 2026 and was selected as a finalist in the master's poster presentation category, winning first place.

Lopez, A., Samora, M., Mossayebi, A., Zilaei Bouri, M., Thompson, L. M., Morales-Grahl, E., Sheinhaus, D., Gore, A.C., Harrison, M.L., Stone, A. J. (2026). Relationships Between Autonomic Dysfunction in Type 1 Diabetes Mellitus and Circulating Sex Hormones in Male Rats. *International Journal of Exercise Science*, *2*(18).

Mossayebi, A., Samora, M., Harrison, M. L., & Stone, A. J. (2025). Effects of ASIC3 Functional Knockout on the Exaggerated Exercise Pressor Reflex in Type 1 Diabetes Mellitus Rats. *Physiology*, *40*(S1).

Bhagtaney, C., Thornton, A., Samora, M., Mossayebi, A., Stanhope, K. L., Havel, P. J., … Harrison, M. L. (2025). Increasing the Incidence of Type 2 Diabetes in UCD-T2DM Female Rats. *International Journal of Exercise Science*, *2*(17).

Mossayebi, A., Samora, M., Harrison, M., & Stone, A. J. (2024). Role of ASIC3 in Evoking the Exercise Pressor Reflex in Type 1 Diabetes Mellitus Rats. *Physiology*, *39*(S1).

Samora, M., Mossayebi, A., Bunsawat, K., Stanhope, K. L., Havel, P. J., Harrison, M. L., & Stone, A. J. (2024). What is the Role of the Carotid Baroreflex in Exaggerating the Exercise Pressor Reflex in Male UCD-Type 2 Diabetes Mellitus Rats? *Physiology*, *39*(S1).

McIntire, J., Oyeyemi, H., Harrison, M. L., Chidurala, S., McMuller, R. K., Samora, M., … Prisby, R. D. (2024). Trabecular and Cortical Bone and Blood Vessel Phenotype in the Femur with the Onset and Progression of Type 2 Diabetes Mellitus in the UCD Transgenic Rat Model. *Journal of Bone and Mineral Research*, *39*(S1), 94–94.

Mossayebi, A., Mcculler, K. R., Huo, Y., Samora, M., Graham, J., Stanhope, K. L., … Stone, A. J. (2023). Exaggerated Exercise Pressor Reflex and Mechanical Allodynia Present at Similar Times in Type 2 Diabetes. *Medicine & Science in Sports & Exercise*, *55*(9S), 196.

Samora, M., Huo, Y., Graham, J., Stanhope, K. L., Havel, P. J., Harrison, M. L., & Stone, A. J. (2023). Inhibiting cyclooxygenase activity attenuates the exaggerated exercise pressor reflex in male UCD-Type 2 diabetes mellitus rats. *Physiology*, *38*(S1).

Samora, M., Huo, Y., Mcculler, K. R., Chidurala, S., Graham, J., Stanhope, K. L., … Harrison, M. L. (2023). Obesity contributes to an attenuated spontaneous baroreflex sensitivity in UCD-Type 2 diabetic rats. *Medicine & Science in Sports & Exercise*, *55*(9S), 389.

Samora, M., Huo, Y., Mcculer, R. K., Chridurala, S., Graham, J., Stanhope, K. L., … Harrison, M. L. (2023). Obesity contributes to an attenuated spontaneous baroreflex sensitivity in UCD-Type 2 diabetic rats. *International Journal of Exercise Science*, *2*(15).

Chidurala, S., Mcculler, K. R., Samora, M., Huo, Y., Graham, J., Stanhope, K. L., … Harrison, M. L. (2023). Role of Anti-Inflammatory Cytokines in the Development of Diabetic Peripheral Neuropathy in Male UCD-Type 2 Diabetic Rats. *Physiology*, *38*(S1).

Samora, M., Teixeira, A. L., Sabino-Carvalho, J. L., & Vianna, L. C. (2022). Cholinergic-mediated Circulatory Responses at the Onset of Isometric Exercise: Does Sex Matter? *The FASEB Journal*, *36*(S1).

Teixeira, A. L., Nardone, M., Samora, M., Fernandes, I. A., Ramos, P. S., Sabino-Carvalho, J. L., … Vianna, L. C. (2022). Potentiation of GABAergic synaptic transmission by diazepam acutely increases resting beat-to-beat blood pressure variability in young adults. *The FASEB Journal*, *36*(S1).

Huo, Y., Bell, B., Samora, M., Graham, J., Stanhope, K. L., Havel, P. J., … Stone, A. J. (2022). Pro-inflammatory Cytokine IL-1β Contributes to the Exaggerated Exercise Pressor Reflex in UC, Davis-Type 2 Diabetes Mellitus Rats. *The FASEB Journal*, *36*(S1).

Samora, M., Vianna, L. C., Carmo, J. C., Macedo, V., Dawes, M., Phillips, A. A., … Fisher, J. P. (2020). Neurovascular Coupling is Not Attenuated During Reflex-Mediated Sympathetic Activation via Lower Body Negative Pressure in Humans. *The FASEB Journal*, *34*(S1).

Incognito, A. V., Samora, M., Shepherd, A. D., Cartafina, R. A., Guimarães, G. M., Daher, M., … Vianna, L. C. (2019). Arterial Baroreflex Control of Multi- and Single-Unit Muscle Sympathetic Nerve Activity in Young Unmedicated Hypertensives. *The FASEB Journal*, *33*(S1).

Sabino-Carvalho, J. L., Samora, M., Teixeira, A. L., & Vianna, L. C. (2019). Hemodynamic Responses at the Onset of Handgrip Exercise in Patients with Parkinson Disease. *The FASEB Journal*, *33*(S1).

Samora, M., Incognito, A. V., & Vianna, L. C. (2019). Sex Differences in Blood Pressure Regulation During Ischemic Isometric Exercise: The Role of the β-Adrenergic Receptors. *The FASEB Journal*, *33*(S1).

Sabino-Carvalho, J. L., Teixeira, A. L., Samora, M., Daher, M., & Vianna, L. C. (2018). Blunted cardiovascular responses to exercise in Parkinson's disease patients: role of the muscle metaboreflex. *The FASEB Journal*, *32*(S1).

Teixeira, A. L., Ramos, P. S., Samora, M., Sabino-Carvalho, J. L., Ricardo, D. R., Colombari, E., & Vianna, L. C. (2018). GABAergic contribution to the muscle mechanoreflex-mediated heart rate responses at the onset of exercise in humans. *The FASEB Journal*, *32*(S1).

Samora, M., Teixeira, A. L., Sabino-Carvalho, J. L., & Vianna, L. C. (2018). Muscle Metaboreflex Modulation of Spontaneous Cardiac Baroreflex Sensitivity: Does Sex Matter? *The FASEB Journal*, *32*(S1).

Samora, M., Teixeira, A. L., Antonino, D., Carmo, J. C., Ritti-Dias, R., & Vianna, L. C. (2018). Sex Differences in Blood Pressure Control Following a Single Bout of Isometric Handgrip Exercise. *The FASEB Journal*, *31*(S1).

B. Works Not in Print:

1. Works "submitted" or "under review":

Journal articles:

Samora, M., Mossayebi, A., Lopez, A., Bouri, Z. M., Thompson, L. L., Morales-Grahl, E., Sheinhaus, D., Gore, A.C., Harrison, M.L., Stone, A. J. (Submitted/Under Review). Blood pressure responses to muscle contraction in streptozotocin-induced type 1 diabetic rats: the role of sex hormones. *American Journal of Physiology – Regulatory, Integrative and Comparative Physiology.* (May *2026).*

Mossayebi, A., Samora, M., Lopez, A. N., Bouri, M. Z., Niehaus, P., Johnston, J., Thornton, A., Harrison, L. M., Stone, A. J. (Submitted / Under Review). Role of ASIC3 in Evoking the Exercise Pressor Reflex in Type 1 Diabetic Rats. *Acta Physiologica*. (July, 2026)

Abstracts:

Lopez, A., Samora, M., Mossayebi, A., Bouri, M. Z., Thompson, L. M., Morales-Grahl, E., … Stone, A. J. (Submitted / Under Review). Relationships Between Autonomic Dysfunction in Type 1 Diabetes Mellitus and Circulating Sex Hormones in Male Rats. Medicine & Science in Sports & Exercise. (March 2026).

2. Invited Talks, Lectures, and Presentations:

Samora, M., Winter course in human physiology, "A journey through integrative physiology: unraveling the neural control of circulation," Federal University of Uberlandia, Brazil. (2026).

Samora, M., III National Congress of Physical Therapy and Health (CONFISS), "Neural Control of Circulation During Exercise: The Challenges in Type 2 Diabetes," Federal University of Jatai, Brazil. (2025).

Samora, M., Working in Nutrition Science (WINS), "Neural Control of Circulation During Exercise: Uncovering the Challenges in Type 2 Diabetes," Texas State University. (2025).
Additional Comments: Webinar series hosted by the Nutrition Science Department in the School of Family and Consumer Sciences

Samora, M., 2025 Texas Chapter of the American College of Sports Medicine Conference, "Neural Control of Circulation During Exercise: Uncovering the Challenges in Type 2 Diabetes," Waco, TX. (2025).

Samora, M., Human Cardiovascular Control course for graduate students, "Blood flow at rest and during exercise," The University of Texas at Austin. (2024).

Samora, M., Movement and Cognitive Rehabilitation Science Seminar, "Neural control of circulation in type 2 diabetes," The University of Texas at Austin. (2024).

Samora, M., Doctoral Seminar course for graduate students, "Scientific rigor and critical thinking in research: the responsibility of the scientists," The University of Texas at Austin. (2023).

Samora, M., International Congress on Intervention in Health and Exercise, "Physical inactivity during the pandemic: challenges for the cardiovascular system of adults," University of Pernambuco, Brazil. (2021).

Samora, M., Scientific meeting of the Exercise, Nutrition, and Applied Physiology Research Group, "Sex differences in the neural control of blood pressure during isometric exercise," Federal University of Triangulo Mineiro. (2021).

Samora, M., Cerebral Blood Flow Virtual Seminar Series, "Neurovascular coupling is not influenced by lower body negative pressure in humans." (2020).

Samora, M., 55th Annual Congress of Brazilian Society of Physiology, "Sex Matters: Neural Control of Blood Pressure During Exercise," Brazilian Society of Physiology. (2020).

Samora, M., Scientific meeting of the Exercise Physiology in Health and Human Performance Research Group, "The influence of sex on the neural control of circulation during exercise," University of Uberaba, Brazil. (2020).

Samora, M., "Training, professional performance, and experience in handball," Federal University of Triangulo Mineiro. (2016).

Samora, M., "Endocrine and metabolic adaptations in physical exercise," University of Triangulo Mineiro. (2014).

Samora, M., "Physical Activity and Obesity," Federal University of Uberlandia. (2014).

2. Other works not in Print

Posters:

Samora, M., Vianna, L. C., XXIII Brazilian Symposium on Cardiovascular Physiology, "Difference between sexes in blood pressure regulation during ischemic isometric exercise: function of ß-adrenergic receptors." (2019).

Samora, M., Vianna, L. C., Carmo, J. C., Macedo, V., Dawes, M., Phillips, A., Paton, J. F., Fisher, J. P., Central Cardiorespiratory Control: future directions (C^3:FD), "Neurovascular coupling in the human brain: does sympathetic activation matter?." (2019).

Samora, M., Miranda, I., Vianna, L. C., 2nd Pan American Congress of Physiological Science, "Slower heart rate recovery in women at onset of post exercise ischemia following isometric exercise." (2019).

Sabino-Carvalho, J. L., Teixeira, A. L., Samora, M., Vianna, L. C., 38th World Congress of the International Union of Physiological Sciences, "Blunted Cardiovascular Responses to Muscle Metaboreflex Activation in Parkinson Disease Patients with Orthostatic Hypotension." (2017).

Samora, M., Teixeira, A. L., Sabino-Carvalho, J. L., Vianna, L. C., 38th World Congress of the International Union of Physiological Sciences, "Cardiac baroreflex hysteresis during muscle metaboreflex activation in humans." (2017).

Samora, M., Santos, W. L., Chriguer, R. S., Barbosa Neto, O., International Convention on Science, Education and Medicine in Sport, "Chronic administration of Erythropoietin causes cardiac and renal fibrosis in rats submitted to exercise training." (2016).

Samora, M., Santos, W. L., Rocha, A., Mota, G. R., Marocolo Junior, M., Barbosa Neto, O., XXIX Annual Meeting of the Federation of Experimental Biology Societies, "Effect of physical training through swimming on liver morphology and epididymal fat in Wistar rats treated with a high-fat diet." (2014).

C. Scholarly / Creative Grants and Contracts:

1. Funded External Grants and Contracts:

Samora, Milena (Principal), Mangieri, Regina (Co-Principal). The role of medullary neurons in arterial baroreflex dysfunction in type 2 diabetic rats: a pilot study, American Physiological Society, Private/Foundation/Corporate, $19,113.00. (Submitted: June 27, 2025, Funded: September 2025 - August 2026). Sponsored Research.
Additional Comments: John F. Perkins Jr. Research Career Enhancement Award
NOA - John F. Perkins Jr. Research Career Enhancement Award.pdf

2. Submitted, but not Funded, External Grants and Contracts:

Samora, Milena (Principal). Unraveling sex differences in baroreflex function in type 2 Diabetes Mellitus, Edward Mallinckrodt, Jr. Foundation, Private/Foundation/ Corporate, $224,922.00. (Submitted: July 29, 2025). Grant.

3. Funded Internal Grants and Contracts:

Samora, Milena (Principal), McAllister, Matthew J (Co-Principal). The mechanical component of the arterial baroreflex in type 2 diabetes: the role of oxidative stress, Research Enhancement Program, Texas State University, $16,000.00. (Submitted: October 2024, Funded: February 2025 - May 2026). Grant.
NOA - Research Enhancement Program.pdf

D. Scholarly / Creative Fellowships, Awards, Honors:

Award / Honor Recipient: John F. Perkins Jr. Research Career Enhancement Award, American Physiological Society. 2025
John F. Perkins Jr. Research Career Enhancement Award.pdf

Award / Honor Recipient: APS Select Award, American Physiological Society. 2022
APS Select Award.pdf
Additional Comments: Distinction in scholarship in the AJP-Regulatory, Integrative and Comparative Physiology, American Physiological Society for the article "Potentiation of GABAergic synaptic transmission by diazepam acutely increases resting beat-to-beat blood pressure variability in young adults".

Award / Honor Recipient: Honorable mention for University of Brasilia Graduate Thesis Award, University of Brasilia. 2022
Additional Comments: Recognition award for the best thesis defended in 2021 and 2022 among all doctoral theses from University of Brasilia.

Award / Honor Recipient: CAPES Thesis Award 2021 Edition, CAPES (Coordination for the Improvement of Higher Education Personnel). 2021
CAPES Thesis Award.pdf
Additional Comments: My thesis was selected for the award among all the doctoral theses in Brazil defended in 2021 in the areas of physical education, speech therapy, physiotherapy, and occupational therapy. This is a very prestigious national award and the criteria for the selection are as follows: originality of the work, relevance to scientific, technological, cultural, social, and innovation development, and added value by the educational system to the candidate. I earned a national postdoctoral fellowship sponsored by CAPES, but I did not accept the offer because I decided to do a postdoc at the University of Texas at Austin instead.
The supporting documentation is in the original language, but I can provide a translation if needed.

Award / Honor Recipient: Internal Selection for the CAPES Thesis Award 2021 Edition, Graduate Program in Physical Education University of Brasilia. 2021
Additional Comments: My thesis was selected among the doctoral thesis defended in 2021 in the Program of Physical Education of the University of Brasilia and was, therefore, eligible to compete for the national CAPES Thesis Award.

Award / Honor Recipient: NCAR Research Recognition Award, American Physiological Society. 2020
NCAR Research Recognition Award.pdf

Award / Honor Recipient: Honorable Mention at the XXIII Brazilian Symposium on Cardiovascular Physiology, Brazilian Symposium on Cardiovascular Physiology. 2019

Award / Honor Recipient: International Early Career Physiologist Travel Award, American Physiological Society. 2019
International Early Career Physiologist Travel Award.pdf

Award / Honor Recipient: Pan-American Congress Travel Award, American Physiological Society. 2019
Pan-American Congress Travel Award.pdf

Award / Honor Recipient: IUPS Travel Award, American Physiological Society. 2017
IUPS Travel Award.pdf

E. Scholarly / Creative Professional Development Activities Attended:

Conference Attendance, "American Physiology Summit 2026," American Physiological Society, Minneapolis, MN, United States. (2026).

Conference Attendance, "Texas Chapter of the American College of Sports Medicine," American College of Sports Medicine, Waco, TX, United States. (2026).

Workshop, "GrantReady: A College of Education Faculty Workshop Series for Proposal Success," Texas State University. (September 2025 – May 2026).
Additional Comments: Two-hour workshop sessions and approximately two hours per week on assignments and preparation.

Training, "EHS Lab Safety," Texas State University. (2025).
Additional Comments: Hazardous Waste generator, Compressed Gas Cylinder, BSL-2, Bloodborne Pathogens, Hazard communication Part I, Part II and Part III, Cryogen safety

Training program, "NIH Grant Writing Boot Camp: building a strong foundation for funding success," The Columbia University. (June 16, 2025 - June 17, 2025).
2025 NIH Grant Writing Boot Camp.pdf

Conference Attendance, "American Physiology Summit 2025," American Physiological Society, Baltimore, MD, United States. (2025).

Conference Attendance, "Health Scholar Showcase," Translational Health Research Center - Texas State University. (2025).

Continuing Education Program, "Scholarship & Teaching Excellence Program (STEP)," Texas State University. (2024 - 2025).

Conference Attendance, "Texas Chapter of the American College of Sports Medicine," American College of Sports Medicine, Waco, TX, United States. (2025).

Conference Attendance, "American Physiology Summit 2024," American Physiological Society, Long Beach, CA, United States. (2024).

Conference Attendance, "Texas Chapter of the American College of Sports Medicine," American College of Sports Medicine, Waco, TX, United States. (2024).

Training, "Collaborative Institutional Training Initiative (CITI)," Texas State University, San Marcos. (2024).
Additional Comments: Basic course, Occupational Health and Safety Program

Training, "Online courses," Texas State University. (2024).
Additional Comments: TXST Cybersecurity Training, Preventing Harassment and Discrimination (EEO & Title IX), Tools for an Ethical Workplace (Ethics and Compliance)

Training, "AALAS Learning Library," The University of Texas at Austin. (2021 - 2024).
Additional Comments: Online courses: Rodent surgery, Aseptic Technique for rodent survival surgery, Inhalation Anesthesia Systems for Rodents, Introduction to mice, Introduction to rats, Post-procedure care of mice and rats in research: minimizing pain and distress.
In person training: Principles of Rodent Anesthesia, Introduction to Rat Biomethodology, Techniques in Aseptic Surgery and Anesthesia in Research Animals.

Training, "Online courses," The University of Texas at Austin. (2021 - 2024).
Additional Comments: New Employee Welcome and Orientation, Title IX Basics, Information Security Awareness, Compliance & Ethics Program at UT Austin, Workplace Discrimination and Harassment (EEO), Working with controlled substances, Bloodborne Pathogens, EMS for Waste Generators, Hazardous Waste Management, Portable Fire Extinguisher Basic, Receiving Hazardous Materials, Cryogen Safety, Biological Safety, Compressed Gases, Laboratory Safety Refresher, Laboratory Safety, Hazard Communication.

Conference Attendance, "ACSM Annual Meeting & World Congresses," American College of Sports Medicine, Denver, CO, United States. (2023).

Conference Attendance, "American Physiology Summit 2023," American Physiological Society, Long Beach, CA, United States. (2023).

Conference Attendance, "Texas Chapter of the American College of Sports Medicine," American College of Sports Medicine, Waco, TX, United States. (2023).

Training, "Reviewer Certificate Program," American Physiological Society. (2023).
APS Reviewer Certificate Program.pdf

Conference Attendance, "Experimental Biology," American Physiological Society, Philadelphia, United States. (2022).

Conference Attendance, "Experimental Biology," American Physiological Society, Online. (2020).

Conference Attendance, "2nd Pan American Congress of Physiological Science," American Physiological Society, Havana, Cuba. (2019).

Conference Attendance, "Experimental Biology," American Physiological Society, Orlando, FL, United States. (2019).

Conference Attendance, "XXIII Brazilian Symposium on Cardiovascular Physiology," Brazilian Society of Physiology, Araraquara, Brazil. (2019).

Conference Attendance, "Experimental Biology," American Physiological Society, San Diego, United States. (2018).

Conference Attendance, "38th World Congress of the International Union of Physiological Sciences," Brazilian Society of Physiology, Rio de Janeiro, Brazil. (2017).

Conference Attendance, "Experimental Biology," American Physiological Society, Chicago, United States. (2017).

F. Media Recognition:

Internet, Explain your thesis by UnBTV: men and women regulate blood pressure differently during exercise. (2021).
Additional Comments: https://www.youtube.com/watch?v=wacPJ5xaMuI

Internet, Graduate student from the Faculty of Physical Education at the University of Brasilia receives CAPES Thesis Award. (2021).
Additional Comments: https://fef.unb.br/index.php/noticias/209-egressa-do-ppgef-unb-recebe-premio-capes-de-tese-20211

Internet, In Thesis Program – Special Edition by Faculty of Physical Education of University of Brasilia. (2021).
Additional Comments: https://www.youtube.com/watch?v=-UnO9maqMBI

Newspaper, Six thesis developed at University of Brasilia win CAPES Thesis Award. (2021).
Additional Comments: https://noticias.unb.br/76-institucional/5203-seis-teses-desenvolvidas-na-unb-levam-premio-capes-2021

Newspaper, University of Brasilia thesis are awarded at CAPES. (2021).
Additional Comments: https://www.correiobraziliense.com.br/cidades-df/2021/09/4950631-teses-da-unb-sao-premiadas-no-capes-2021.html

IV. SERVICE

A. Institutional

1. College:

Undergraduate Marshal, College of Education Commencement Ceremony. (May 16, 2026).

2. Department/School:

Co-Advisor, Graduate Student Organization. (June 2026 - Present).

Content Review/Presentation Judging, Scholars' Day Ballots – Spring 2026. (April 2026).

Member, Department of Health & Human Performance/Search Committee. (April 2026).
Additional Comments: Open Rank Assistant Professor of Sport Management

Team Coach, Texas Chapter of the American College of Sports Medicine. (2026).
Additional Comments: I assisted in recruiting undergraduate students for the TXST team to compete in the Student Bowl XVIII Competition at the Texas Chapter of the American College of Sports Medicine. In addition, we held 4 one-hour practice meetings prior to the conference. Our team finished in 21st place out of 42 participating teams.

Member, Scholar's Day Committee. (September 2025 - Present).

Member, ESS Graduate Program Admissions Committee. (September 2024 - Present).

Content Review/Presentation Judging, Scholars' Day Ballots – Fall 2024. (December 2024).

B. Professional:

Reviewer / Referee, Journal of Applied Physiology. (2026 - Present).

Reviewer / Referee, Texas Chapter of the American College of Sports Medicine. (2026).
Additional Comments: I served as judge for the Student Research Grant Proposals presentations.

Reviewer / Referee, Texas Chapter of the American College of Sports Medicine. (2026).
Additional Comments: I was a reviewer for PhD abstracts, overseeing 15 applications.

Reviewer / Referee, Science Advances. (2025 - Present).

Mentor during the Women's Breakfast, Texas Chapter of the American College of Sports Medicine, Waco, TX. (2025).

Reviewer / Referee, Texas Chapter of the American College of Sports Medicine. (2025).
Additional Comments: I was a reviewer for PhD abstracts, overseeing 14 applications.

Reviewer / Referee, Autonomic Neuroscience: Basic & Clinical. (2024 - Present).

Reviewer / Referee, BMC Cardiovascular Disorders. (2024 - Present).

Reviewer / Referee, Experimental Physiology. (2024 - Present).

Reviewer / Referee, Journal of Cardiovascular Pharmacology. (2024 - Present).

Reviewer / Referee, Frontiers in Physiology. (2023 - Present).

Reviewer / Referee, The FASEB journal. (2023 - Present).

Reviewer / Referee, The Journal of Physiology. (2023 - Present).

Reviewer / Referee, Advances in Physiology Education. (2022 - Present).

Reviewer / Referee, American Journal of Physiology-Heart and Circulatory Physiology. (2022 - Present).

Reviewer / Referee, American Journal of Physiology-Regulatory Integrative and Comparative Physiology. (2021 - Present).

Reviewer / Referee, European Journal of Sport Science. (2021 - Present).

Reviewer / Referee, Physiological Reports. (2020 - Present).

Reviewer / Referee, International Journal of Cardiovascular Sciences (online). (2018 - Present).

Reviewer / Referee, Brazilian Journal of Sports Sciences. (2017 - Present).

Editorial Review Board Member, Brazilian Journal of Sports Sciences. (2018 - 2024).

C. Community:

Speaker, Student Support Center for College Admission Exams, Brasilia. (July 17, 2025).
Additional Comments: A presentation to high school students from CEM 03 in Taguatinga, Brasília, Brazil, about my professional career and the importance of higher education.

D. Organization Memberships:

The American College of Sports Medicine (ACSM). (2023 - Present).

Graduate Women in Science National Fellowship Program (GWIS). (2022 - Present).
2024 GWIS Service Letter.pdf
2023 GWIS Service Letter.pdf
2022 GWIS Service Letter.pdf

Texas Chapter of American College of Sports Medicine (TACSM). (2022 - Present).

The American Physiological Society (APS). (2017 - Present).

Society for Advancing Gender Equity in STEM - University of Texas at Austin (SAGES). (2022- 2024).

Brazilian Society Physiology. (2017 - 2020).

The Physiological Society of New Zealand. (2018 - 2019).