DANIELA SAYURI INOUE YOSHIMURA

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Department of Kinesiology & Sport Management
College of Education and Human Development
540 Ross St, Harrington Education Center Office Tower
College Station, TX 77843

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College Station, TX 77840
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CURRENT POSITION

Postdoctoral Research Associate — College Station, TX
Texas A&M University — 2023-present

EDUCATION

Presidente Prudente, Brazil

PhD, *Movement Science*
Sao Paulo State University – UNESP — 2015-2019

- Dissertation: "Impact of high-intensity interval exercise on cognitive function, morphological and systemic immunometabolism changes of young people with obesity"

MSc, *Nutrition* — São Paulo, Brazil
Universidade Federal de Sao Paulo – UNIFESP — 2008-2010

- Thesis: *Comparison of three types of physical training on the control of the anthropometric, metabolic and inflammatory profile of obese adolescents undergoing long-term interdisciplinary therapy*

BSc, *Physical Education (Kinesiology)* — São Paulo, Brazil
Faculdades Metropolitanas Unidas (FMU) — 1999-2001

- Undergraduate Thesis: *Assessment of lower limb shape through the sit-to-stand test in elderly Asians*

RESEARCH EXPERIENCE

Department of Kinesiology & Sport Management, Texas A&M University — College Station
Postdoctoral Fellow, Advisor: Mariana Janini Gomes — 2023-Present
The relationship between chronic inflammation and oxidative stress, and their contribution to skeletal muscle atrophy

- Contributed to experimental design, data collection and analysis of three models of skeletal muscle wasting (aging, heart failure, doxorubicin)
- Investigated mechanistic hypotheses about the role of inflammation and oxidative stress in skeletal muscle atrophy
- Conducted *in-vitro* and *ex-vivo* experiments, cellular and molecular biology techniques, histological analysis of skeletal muscle, RNA-sequencing
- Total number of publications: 3

Exercise and Sport Science and Charles Perkins Centre, The University of Sydney — Sydney, Australia

Visiting Researcher, Advisor: Kate M Edwards and Ollie Jay — 2017-2018

Effects of heat intervention during physical exercise on BDNF response in pregnancy

- Conducted part the last phase of data collection of "Is heat dissipation enhanced during pregnancy" project, performing cardiometabolic and thermoregulation tests
- Correlated executive function (software Inquisit 5 version by Millisecond, USA) with serum BDNF concentration of pregnant women pre- and pos-acute aerobic session under neutral and warm temperature
- Total number of publications: 1

Graduate Program of Movement Science, Sao Paulo State University — Presidente Prudente, Brazil

PhD Graduate Researcher, Advisor: Fabio Santos Lira — 2015- 2019

- Investigated immunometabolism responses of several exercise protocols (continuous, intermittent, concurrent and combined aerobic and resistant training)
- Idealized, developed and executed the randomized clinical trial "The impact of two Models of Aerobic Training on Cognitive Function, Morphological and Systemic Immunometabolic Changes of Young People with Obesity" (RBR-7pdc8y), which received modalities of grants, including funding to doctoral scholarship
- Developed and executed the funded project "BDNF involvement in the function of lymphocytes of sedentary and trained men with obesity: relationship with cognitive"
- Total number of publications: 18

Paulista Medicine School, Universidade Federal de Sao Paulo (UNIFESP) — São Paulo, Brazil

MSc Graduate Researcher, Advisor: Ana Raimunda Damaso — 2008-2010

- Specialized in body composition (Hydrostatic weighing, Dual X-Ray Absorptiometry and Air Displacement Plethysmography, Bioelectrical impedance and Anthropometry), energy expenditure and cardiopulmonary assessment
- Investigated the combination of aerobic and resistance training in an interdisciplinary weight loss program for adolescents
- Total number of publications: 3

AWARDS, GRANTS AND FELLOWSHIPS

1st European Psychoneuroimmunology Network (EPN) Autumn School: Lung-Brain Axis in Health and Disease, Castle Rauischholzhausen. — Giessen, Germany September 2022

Volkswagen Foundation

Research Internship Abroad-Doctorate - Scholarship and Research Overhead (Grant number: 17/03947-0) — 2017-2018

Sao Paulo Research Foundation, FAPESP

Doctorate – Scholarship and Research Overhead (Grant number: 15/22402-9) — 2016-2019

Sao Paulo Research Foundation, FAPESP

Doctorate – Scholarship — 2015-2016

Coordenacao de Aperfeicoamento de Pessoal de Nivel Superior (CAPES) – Brazilian Federal Agency for Support and Evaluation of Graduate Education

Master - Scholarship 2008-2010
Coordenacao de Aperfeicoamento de Pessoal de Nivel Superior (CAPES) – Brazilian Federal Agency for Support and Evaluation of Graduate Education

Best Student Presenter. 1st Brazilian Congress of Physical Education. Area of Sports and Performance — Presidente Prudente, Brazil UNESP, 2015

PUBLICATIONS

Peer-Reviewed Articles

Pigg, Q.W.; Harris, D.R.; **Inoue, D.S.**; Janini Gomes, M. (2025). Mitigating doxorubicin-induced skeletal muscle toxicity: a review of oxidative stress mechanisms and the therapeutic role of exercise. *Antioxidant*. 14:870. doi: 10.3390/antiox14070870

Inoue, D.S.; Pigg, Q.W.; Harris, D.R.; Zhang, D.; Boland, D.J.; Janini Gomes, M. (2025). Impact of aerobic training on transcriptomic changes in skeletal muscle of rats with cardiac cachexia. *Int J Mol Sci.* 26:6525. doi: 10.3390/ijms26136525.

Inoue, D.S.; Janini Gomes, M. (2024). Integrative insights into PNI: Low-grade chronic inflammation, skeletal muscle wasting, and brain impairments. *Brain Behav Immun Health*. 40:100838. doi: 10.1016/j.bbih.2024.

Caranti, D.A.; **Inoue, D.S.**; Lira, F.S. (2022). Editorial: Challenges for Obesity in the 21st Century: Psychology, Nutrition, Modern Lifestyle Behavior and Neuroendocrine Responses. *Front Nutr.* 9:887272. doi: 10.3389/fnut.2022.887272.

Smallcombe, J.W.; Puhenthirar, A.; Casasola, W.; **Inoue, D.S**.; Chaseling, G.K.; Ravanelli, N.; Edwards, K.M.; Jay, O. (2021). Thermoregulation During Pregnancy: a Controlled Trial Investigating the Risk of Maternal Hyperthermia During Exercise in the Heat. *Sports Med.* 51(12):2655-2664. doi: 10.1007/s40279-021-01504-y.

Inoue, D.S.; Bin Maideen, M.F.; Jiménez-Maldonado, A.; Lira, F.S. (2021). Role of Neuronal Guidance Cues in the Pathophysiology of Obesity: A Peripheral and Central Overview. *Curr Pharm Des*. ;27(21):2512-2521. doi: 10.2174/1381612824666210316094659.

Gerosa-Neto, J.; Monteiro, P.A.; **Inoue, D.S.**; Antunes, B.M.; Batatinha, H.; Dorneles, G.P.; Peres, A.; Rosa-Neto, J.C.; Lira, F.S. (2020). High- and moderate-intensity training modify LPS-induced ex-vivo interleukin-10 production in obese men in response to an acute exercise bout. *Cytokine*. 136:155249. doi: 10.1016/j.cyto.2020.155249.

Inoue, D.S.; Monteiro, P.A.; Gerosa-Neto, J.; Santana, P.R.; Peres, F.P. Edwards, K.M.; Lira, F.S. (2020). Acute increases in brain-derived neurotrophic factor following high or moderate-intensity exercise are accompanied with better cognition performance in obese adults. *Sci Rep*. 10(1):13493. doi: 10.1038/s41598-020-70326-1. PMID: 32778721.

Inoue, D.S.; Antunes, B.M.; Maideen, M.F.B.; Lira, F.S. (2020). Pathophysiological Features of Obesity and its Impact on Cognition: Exercise Training as a Non-Pharmacological Approach. *Curr Pharm Des*. 26(9):916-931. doi: 10.2174/1381612826666200114102524.

Rocha, A.P.R.; Lira, F.S.; Bueno, D.R.; **Inoue, D.S**.; Queiroz, D.C.; Codogno, J.S. (2020). Relationship between Health Costs and Inflammatory Profile in Public Health. *Curr Pharm Des*. 25(43):4622-4629. doi: 10.2174/1381612825666191106155903.

Gerosa-Neto, J., Panissa, V.L.G.;,Monteiro, P.A.; **Inoue, D.S.**; Ribeiro, J.P.J.; Figueiredo, C.; Zagatto, A.M.; Little, J.P.; Lira; F.S. (2019). High- or moderate-intensity training promotes change in cardiorespiratory fitness, but not visceral fat, in obese men: A randomised trial of equal energy expenditure exercise. *Respir Physiol Neurobiol.* 266:150-155. doi: 10.1016/j.resp.2019.05.009.

Caldeira, R.S.; Panissa, V.L.G.; **Inoue, D.S**.; Campos, E.Z.; Monteiro, P.A.; Giglio, B.M.; Pimentel, G.D.; Hofmann, P.; Lira, F.S. (2018). Impact to short-term high intensity intermittent training on different storages of body fat, leptin and soluble leptin receptor levels in physically active non-obese men: A pilot investigation. *Clin Nutr ESPEN*. 28:186-192. doi: 10.1016/j.clnesp.2018.08.005.

Lira, F.S.; Dos Santos, T.; Caldeira, R.S.; **Inoue, D.S**.; Panissa, V.L.G.; Cabral-Santos, C.; Campos, E.Z.; Rodrigues, B.; Monteiro, P.A. (2017). Short-Term High- and Moderate-Intensity Training Modifies Inflammatory and Metabolic Factors in Response to Acute Exercise. *Front Physiol*. 8:856. doi: 10.3389/fphys.2017.00856. PMID: 29163201.

Inoue, D.S.; Panissa, V.L.; Antunes, B.M.; Oliveira, F.P.; Malta, R.B.; Caldeira, R.S.; Campos, E.Z.; Pimentel, G.D.; Franchini, E.; Lira, F.S. (2018). Reduced leptin level is independent of fat mass changes and hunger scores from high-intensity intermittent plus strength training. *J Sports Med Phys Fitness*. 58(7-8):1045-1051. doi: 10.23736/S0022-4707.17.07370-4.

Cabral-Santos, C.; Gerosa-Neto, J.; **Inoue, D.S**.; Rossi, F.E.; Cholewa, J.M.; Campos, E.Z.; Panissa, V.L.G.; Lira, F.S. (2017). Physiological Acute Response to High-Intensity Intermittent and Moderate-Intensity Continuous 5 km Running Performance: Implications for Training Prescription. *J Hum Kinet*. 56:127-137. doi: 10.1515/hukin-2017-0030.

Rossi, F.E.; Diniz, T.A.; Neves, L.M.; Fortaleza, A.C.S.; Gerosa-Neto, J.; **Inoue, D.S**.; Buonani, C.; Cholewa, J.M.; Lira, F.S.; Freitas, I.F.Jr. (2017). The beneficial effects of aerobic and concurrent training on metabolic profile and body composition after detraining: a 1-year follow-up in postmenopausal women. *Eur J Clin Nutr*. 71(5):638-645. doi: 10.1038/ejcn.2016.263.

Antunes, B.M.M.; Rossi, F.E.; **Inoue, D.S.** ; Rosa Neto, J.C.; Lira, F.S. (2017). Imunometabolismo e Exercício Físico: Uma nova fronteira do conhecimento. *Motricidade*, v. 13, p. 85-98.

Santos, C.C.; Diniz, T.A.; **Inoue, D.S**.; Gerosa-Neto, J.; Panissa, V.L.; Pimentel, G.D.; Campos, E.Z.; Hofmann, P.; Lira, F.S. (2016). Influence to high-intensity intermittent and moderate-intensity continuous exercise on indices of cardio-inflammatory health in men. *J Exerc Rehabil*. 12(6):618-623. doi: 10.12965/jer.1632780.390.

Silveira, L.S.; **Inoue, D.S**.; Rodrigues da Silva, J.M.; Cayres, S.U.; Christofaro, D.G.D. (2016). High Blood Pressure Combined with Sedentary Behavior in Young People: A Systematic Review. *Curr Hypertens Rev*. 12(3):215-221. doi: 10.2174/1573402112666161230120855..

Cabral-Santos, C.; Castrillón, C.I.; Miranda, R.A.; Monteiro, P.A.; **Inoue, D.S**.; Campos, E.Z.; Hofmann, P.; Lira, F.S. (2016). Inflammatory Cytokines and BDNF Response to High-Intensity Intermittent Exercise: Effect the Exercise Volume. *Front Physiol*. 7:509. doi: 10.3389/fphys.2016.00509. Erratum in: Front Physiol. 2017 Jan 04;7:662. doi: 10.3389/fphys.2016.00662.

Cabral-Santos, C.; Gerosa-Neto, J.; **Inoue, D.S.**; Panissa, V.L.; Gobbo, L.A.; Zagatto, A.M.; Campos, E.Z.; Lira, F.S. (2015). Similar Anti-Inflammatory Acute Responses from Moderate-Intensity Continuous and High-Intensity Intermittent Exercise. *J Sports Sci Med*. 14(4):849-56.

Inoue, D.S.; Panissa, V.L.; Monteiro, P.A.; Gerosa-Neto, J.; Rossi, F.E.; Antunes, B.M.; Franchini, E.; Cholewa, J.M.; Gobbo, L.A.; Lira, F.S. (2016). Immunometabolic Responses to Concurrent Training: The Effects of Exercise Order in Recreational Weightlifters. *J Strength Cond Res*. 30(7):1960-7. doi: 10.1519/JSC.0000000000001281.

Inoue, D.S.; De Mello, M.T.; Foschini, D.; Lira, F.S.; De Piano Ganen, A.; Da Silveira Campos, R.M.; De Lima Sanches, P.; Silva, P.L.; Corgosinho, F.C.; Rossi, F.E.; Tufik.; Dâmaso, A.R. (2015). Linear and undulating periodized strength plus aerobic training promote similar benefits and lead to improvement of insulin resistance on obese adolescents. *J Diabetes Complications*. 29(2):258-64. doi: 10.1016/j.jdiacomp.2014.11.002.

Leão da Silva, P.; de Mello, M.T.; Cheik, N.C.; Sanches, P.L.; Munhoz da Silveira Campos, R.; Carnier, J.; **Inoue, D**.; do Nascimento, C.M.; Oyama, L.M.; Tock, L.; Tufik, S.; Dâmaso, A.R. (2012). Reduction in the leptin concentration as a predictor of improvement in lung function in obese adolescents. *Obes Facts*. 5(6):806-20. doi: 10.1159/000345840.

da Silva, P.L.; de Mello, M.T.; Cheik, N.C.; Sanches, P.L.; Piano, A.; Corgosinho, F.C.; Campos, R.M.; Carnier, J.; **Inoue, D**.; do Nascimento, C.M.; Oyama, L.M.; Tock, L.; Tufik, S.; Dâmaso, A.R. (2012). The role of pro-inflammatory and anti-inflammatory adipokines on exercise-induced bronchospasm in obese adolescents undergoing treatment. *Respir Care*. 57(4):572-82. doi: 10.4187/respcare.01307.

Manuscripts in Preparation

Harris, Pigg.; Pigg, Q.; **Inoue, D.S.**; Kendra, J.; Machek, S.; Janini Gomes, M. (2025). Selective Androgen Receptor Modulators and their Molecular Implications on Skeletal Muscle Health and Function: A Narrative Review. In preparation, to be submitted to: Journal of Xenobiotics.

Harris, D.; **Inoue, D.S.**; Pigg, Q.; Janini Gomes, M. (2025). Effects of aerobic exercise in skeletal muscle and systemic inflammatory markers in rats with pulmonary arterial hypertension-induced skeletal muscle atrophy. [Manuscript in preparation]. Department of Kinesiology, Texas A&M University.

Pigg, Q.; **Inoue, D.S.**; Harris, D.; Janini Gomes, M. (2025). Effects of Aerobic Training on Skeletal Muscle Mitochondrial Function and Autophagy in Rats with Heart Failure. [Manuscript in preparation]. Department of Kinesiology, Texas A&M University.

Tonon, C.R.; Polegato, B.F.; Pigg, Q.; Harris, D.; **Inoue, D.S.**; Janini Gomes, M. (2025). Aerobic Training Combined with Liraglutide Treatment Does Not Mitigate Inflammation and Oxidative Stress in Skeletal Muscle of Doxorubicin-Treated Rats. [Manuscript in preparation]. Department of Kinesiology, Texas A&M University.

Abstracts Published

Garcia, A.; Harris, D.; Pigg, Q.; **Inoue, D.S**.; Janini Gomes, M. (2024). Effects of Endurance Training on Skeletal Muscle Mass and Inflammation in a Rat Model of Heart Failure: TACSM Congress, Waco, Texas, EUA. *International Journal of Exercise Science*, 2024. v. 2. Iss. 16.

Pigg, Q.; Harris, D.; Garcia, A.; **Inoue, D.S.**; Janini Gomes, M. (2024). Systemic Inflammation Persists in Rats with Heart Failure after a Short-Term Endurance Training Protocol: TACSM Congress, Waco, Texas, EUA. *International Journal of Exercise Science*, 2024. v. 2. Iss. 16.

Harris, D.; Kendra, J.; Pigg, Q.; Golpasandi, S.; Garcia, A.; **Inoue-Yoshimura, D**.; Morton, A.; Janini Gomes, M. (2024). Maximal Isometric Contraction in Skeletal Muscle of Endurance Trained Rats with Heart Failure: TACSM Congress, Waco, Texas, EUA. *International Journal of Exercise Science*, 2024. v. 2. Iss. 16.

Tonon, C.R.; Polegato, B.F.; Pigg, Q.; Harris, D.; Garcia, A.; **Inoue, D.S.**.; Gomes, M.J. (2024). Effects of Continuous Aerobic Exercise on Skeletal Muscle Atrophy Induced by Heart Failure: TACSM Congress, Waco, Texas, EUA. *International Journal of Exercise Science*, 2024. v. 2. Iss. 16.

Inoue, D.S., Monteiro, P.A.; Gerosa-Neto, J., Golim, M,; Rosa-Neto, J.C.; Lira, F.S. (2022). Increased MMP-9 gene expression did not reflect in BDNF higher translation after six-weeks of aerobic training in obese young

men: 1st European Psychoneuroimmunology Network (EPN) Autumn School: Lung-Brain Axis in Health and Disease: Abstracts. *Basel: Karger*, 2022. v. 29. p. 9-34.

Morano, A.E.V.A.; Monteiro, P.A.; **Inoue, D.S.**; Gerosa-Neto, J.; Lira, F.S. (2017).
High-Intensity Intermittent Training Reduces Visceral Fat and the Prevalence of Hepatic Steatosis in Obese Men: *ENEPE*, Presidente Prudente, Brazil

Campos, R.M.S.; Lazaretti-Castro, M; Tock, L.; Mello, M.T.; Silva, P.L.; Corgosinho, F.C.; De Piano, A; Carnier, J.; Sanches, P.L.; **Inoue, D.S.**; Corrêa, F.A; Tufik, S.; Dâmaso, A. (2011).
2o International Congress on Abdominal Obesity, Buenos Aires, Argentina. *CMR Journal*, v.4. p.107

Silva, P.L.; Cheik, N.; Sanches, P.L.; Corrêa, F.A; **Inoue, D.S.**; Campos, R.M.S.; Corgosinho, F.C.; Carnier, J.; Tock, L.; Tufik, S.; Dâmaso, A. (2011). Improvement In Lung Function Was Associated with a Reduction in Visceral and Subcutaneous Fat and Increase in Adiponectin: XIV Brazilian Conference of Obesity and Metabolic Syndrome. *Arquivos Brasileiros de Endocrinologia*, São Paulo, v.55. p.S35 - S103

Silva, P.L.; Cheik, N.; Mello, M.T.; Sanches, P.L.; De Piano, A; Carnier, J.; Masquio, D.C.L.; Corgosinho, F.C.; Campos, R. M. S.; **Inoue, D.S.**; Oller Do Nascimento, C. M.; Oyama, L. M.; Tock, L.; Tufik, S.; Dâmaso, A (2011). The Role of Adipokines in Exercise-Induced Bronchospasm in Obese Adolescents Undergoing Interdisciplinary Treatment: XIV Brazilian Conference of Obesity and Metabolic Syndrome, *Arquivos Brasileiros de Endocrinologia*, São Paulo, v.55. p.S35 - S103

Inoue, D.S.; Mello, M T.; Foschini, D.; De Piano, A; Carnier, J.; Sanches, P.L.; Silva, P.L.; Tock, L.; Tufik, S.; Dâmaso, A. (2010). Concurrent training is more effective than aerobic training to control inflammatory process in obesity: XXXIII International Symposium of Sport Science, São Paulo, Brazil. Boas Práticas na Atividade Física e no Esporte. São Caetano do Sul: *Celafiscs*, v.18. p.1 – 351

Dâmaso, A; Mello, M.T.; Carnier, J.; De Piano, A; Foschini, D.; Martinz, A.C.; **Inoue, D.S.**; Tufik, S. (2009). Comparison of the effects of aerobic training and combined training on resting metabolic rate in obese adolescents: XIII Brazilian Conference of Obesity and Metabolic Syndrome, *Brazilian Society of Endocrinology and Metabology*, São Paulo, v.53. p.S477 - S697

CONFERENCE PRESENTATION

Oral presentation

Inoue, D.S.; Monteiro, P. A.; Gerosa-Neto, J., Golim, M,; Rosa-Neto, J.C.; Lira, F.S. (2022) Increased MMP-9 gene expression did not reflect in BDNF higher translation after six-weeks of aerobic training in obese young men: 1st European Psychoneuroimmunology Network (EPN) Autumn School: Lung-Brain Axis in Health and Disease, Giessen, Germany.

Morano, A.E.V.A.; Lira, F.S. ; **Inoue, D.S.**; Gerosa-Neto, J; Monteiro, P.A. (2018). Moderate-intensity continuous training and high-intensity intermittent training alter the mood of men with obesity submitted to 6-weeks of intervention: VII Brazilian Congress of Metabolism, Nutrition and Exercise, Londrina, Brazil

Inoue, D.S.; Diniz, T.A.; Rossi, F.E.; Lira, F.S. (2015). Combined strength exercise and high intensity intermittent aerobic training improve lipid profile: effects of execution order: I Brazilian Conference of Physical (CONBREF): Physical Activity and Health, São Paulo, Brazil.

Inoue, D.S.; Panissa, V.L.G.; Monteiro, P.A.; Gerosa Neto, J.; Rossi, F.E.; Antunes, B.M.M.; Franchini, E.; Gobbo, L.A.; Lira, F.S. (2015). Acute strength loss induced by concurrent exercise is associated with alterations in metabolic, but not inflammatory response: IX International Conference of Physical Education and Human Motricity, Rio Claro, Brazil.

Inoue, D.S.; Mello, M T.; Foschini, D.; De Piano, A; Carnier, J.; Sanches, P.L.; Silva, P.L.; Tock, L.; Tufik, S.; Dâmaso, A. (2010). Concurrent training is more effective than aerobic training to control inflammatory process in obesity: XXXIII International Symposium of Sport Science, São Paulo, Brazil.

Poster Presentation

Dadi, A; Pigg, Q; Harris, D; Ryan, P; **Inoue, DS**; Janini Gomes, M. (2025). Adaptations of skeletal muscle to endurance training and their functional consequences: Student Research Week, College Station, Tx.

Meka, R; Tonon, C; Polegato, B; Pigg, Q; Harris, D; **Inoue, DS**, Janini Gomes, M. Effects of exercise preconditioning on doxorubicin-induced skeletal muscle toxicity in rats: Student Research Week, College Station, Tx.

Inoue, D.S; Pigg, Q.; Harris, D.; Janini Gomes, M. (2024). Endurance training did not mitigate transcriptional changes in muscle apelin induced by systemic inflammation in rats with cardiac cachexia: Annual Conference on Sarcopenia, Cachexia, and Wasting Disorders, Washington DC, December 2024

Pigg, Q.; Harris, D.; **Inoue, D.S**; Janini Gomes, M. (2024). Altered autophagy and oxidative metabolism in rats with heart failure-associated skeletal muscle atrophy: Annual Conference on Sarcopenia, Cachexia, and Wasting Disorders, Washington DC, December 2024

Harris, D.; Pigg, Q.; **Inoue, D.S**; Janini Gomes, M. (2024). Impact of aerobic training on inflammatory and autophagic markers in rats with heart failure: Annual Conference on Sarcopenia, Cachexia, and Wasting Disorders, Washington DC, December 2024

Moreno, L. B. ; Lira, F. S. ; **Inoue, D.S.**; Gerosa-Neto, J; Santos, T.; Monteiro, P. A. (2018). Effects of Moderate-intensity continuous training and high-intensity intermittent training on plasma volume and hematocrit of obese men: VII Brazilian Congress of Metabolism, Nutrition and Exercise, Londrina, Brazil.

Monteiro, P.A.; **Inoue, D.S.** ; Gerosa-Neto, J ; Queiroz, P. A. ; Moreno, L. B. ; Morano, A. E. V. A. ; Figueiredo C; Lira, F. S. (2018) Potencial papel do sono em modular a eficácia do treinamento intermitente de alta intensidade em sujeitos obesos:VII Brazilian Congress of Metabolism, Nutrition and Exercise, Londrina, Brazil.

Inoue, D.S., Monterio. P.A., Gerosa-Neto, J.; Lira, F.S. (2017). TNF-alpha production in LPS- stimulated whole blood cultures in obese adults is decreased after 3-week of high-intensity intermittent training: 13th International Society for Exercise and Immunology (ISEI) Symposium, Coimbra, Portugal.

Inoue, D.S.; Panissa, V.L.G.; Antunes, B.M.M.; Oliveira, F.P.; Malta, R.B.; Caldeira, R.S.; Campos, E.Z.; Franchini, E.; Lira, F.S. (2016). Neuroendocrine regulation of energy balance and concurrent strength training: 3rd Eric A. Newshome – Metabolic Regulation Symposium, São Paulo, Brazil.

Santos, C.C ; Gerosa-Neto, J ; **Inoue, D.S.** ; Rossi, F. E. ; Cholewa, J. M. ; Campos, E. Z. ; Lira, F. S. (2015). Acute physiological responses to 5km running performed in an intermittent high-intensity versus continuous moderate-intensity manner: IX International Conference of Physical Education and Human Motricity, Rio Claro, Brazil.

Caldeira, R. S.; **Inoue, D. S.**; Monteiro, P.; Gerosa, J.; Rossi, F.E.; Antunes, B.M.M.; Panissa, V.; Franchini, E.; Gobbo, L.A.; Lira, F.S. (2014) Decline in strength performance in concurrent exercise is associated with reduced blood glucose and triglyceridemic: XXXV Scientific Initiation Conference, Presidente Prudente, Brazil.

Correa, B. D. ; **Inoue, D. S.**; Monteiro, P. ; Gerosa, J. ; Rossi, F. E. ; Antunes, B. M. M. ; Panissa, V. ; Franchini, E. ; Gobbo, L. A. ; Lira, F. S. (2014). Maltodextrin supplementation does not improve strength performance in concurrent exercise: XXXV Scientific Initiation Conference, Presidente Prudente, Brazil.

Magro, M. ; **Inoue, D. S.** ; Monteiro, P. ; Gerosa, J. ; Rossi, Fabrício Eduardo ; Antunes, B. M. M. ; Panissa, V. ; Franchini, E. ; Gobbo, L. A. ; Lira, Fabio Santos. (2014) Ingestão de cafeína não melhora desempenho de força em exercício concorrente. XXXV Scientific Initiation Conference, Presidente Prudente, Brazil.

Inoue, D. S.; Silva, P.L; Foschini, D.; Martinz, A.C.; Sanches, P.L.; Carnier, J.; De Piano, A; Mello, M.T.; Tufik, S. ; Dâmaso, A. (2009). Comparação dos efeitos do treinamento aeróbio e do treinamento combinado sobre a taxa metabólica de repouso em adolescentes obesos: XIII Brazilian Conference of Obesity and Metabolic Syndrome, Salvador, Brazil.

Colantonio, E. ; Dâmaso, A ; Salles, F ; **Inoue, D. S.** ; Mello, M.T.D. ; Tufik, S. (2008). Comparison of Hydrodensitometry (HW), Dual X-Ray Absorptiometry and Air Discplacement Plethysmography for assessing Body Composition of Obese Adolescents 15 to 18 years of Age: A preliminary Study.

BOOK CHAPTERS

Lira, F.S.; Antunes, B.M.M.; **Inoue, D.S.** (2026) Adipose Tissue, Adipokines and Neuroinflammation. In: Oria, R.B.; Malva, J.; Netto, C.A. (eds). *"Nutritional Neuroscience: from bench to bed side"*. 1st edition. Academic Press ISBN-10: 0443338418; ISBN-13: 978-0443338410. (English version).

Inoue Yoshimura, D.; Monteiro, P.A. (2023). Physical training programs for overweight and obese individuals. In: Lancha Junior, A.H.; Antunes, B.M.M.; Lira, F.S.; Rosa-Neto, J.C.; Santos, R.V.T. (eds), *Nutritional Supplementation, Exercise and the Immune System*. 1st edition. Editora dos Editores, p.159-175. ISBN-10: 8585162740; ISBN-13: 978-8585162740 (Brazilian Portugues version)

Inoue, D.S.; Monteiro, P.A. (2015). Physical training programs for obese people. In: Antunes, B.M.M.; Lira, F.S.; Rosa-Neto, J.C (eds.). *Introduction to Immunometabolism applied to Physical Exercise and Nutrition*. 1ed. São Paulo: Weight Science, p.61-74 (Brazilian Portugues version)

Dâmaso, A.; Martinz, A.C.; **Inoue, D.S.** (2009). Neuroendocrine control of energy balance. In: Dâmaso, A.R. (ed). Obesity. 2nd ed. Rio de Janeiro: Guanabara Koogan, p. 1-316. ISBN-10: 8527700654; ISBN-13: 978-8527700658. (Brazilian Portugues version)

TEACHING EXPERIENCE

Faculdade de Presidente Prudente (UniPrudente) — Presidente Prudente, Brazil
Undergraduate Assistant Professor — 2011-2014

- Human Anatomy
- Human Growth and Development
- Nutrition applied to Exercise
- Human Physiology
- Kinesiology and motor control
- Water-based activities

STUDENT COMMITEES

Graduate's Thesis, Committee Member

Federal University of Piaui – Brazil — Teresina, Brazil

- Joniel Ronney Gomes Da Silva - "Level of physical activity and sleep quality in adolescents from the public education system of Teresina-PI: Analysis of the relationship between hemodynamic profile and socio-environmental factors" — 2025

Undergraduate's Thesis, Chair Presidente Prudente, Brazil
Faculdade de Presidente Prudente (UniPrudente)

- Gabriel Gomes Garcia – Physical Education classes and Childhood Obesity in School 2014
- Edilson Gleiton Zanardi – Aerobic Exercise as treatment of Systemic Arterial Hypertension in elderly 2013
- Carlos Augusto Oliveira Viana – Childhood Obesity: Contributions of Physical Education Classes 2013
- Sivaldo do Nascimento Silva Junior – Childhood Obesity and School Physical Education 2013

Undergraduate's Thesis, Committee Member
Sao Paulo State University (UNESP)

- Lucas Hurbano Bomfim Moreno – Association between visceral fat and inflammatory markers after 6-weeks of aerobic training in men with obesity 2018
- Natasha de Lima Melo – Effects of high intensity-intermittent training associated with strength training on respiratory tract of healthy men 2017
- Renan Caldeira Santos – Eight weeks of Concurrent training decrease leptin concentration independently of adipose tissue changes 2015
- Joao Paulo Santana Reis – ATP-peak supplementation anticipates hypotension effects of exhaustive strength exercise in healthy young men 2015

Faculdade de Presidente Prudente (UniPrudente)

- Barbara Leonilda Fernandes – Bullying and Physical Education class 2013
- Fernando Lopes – Main factors which influences Childhood Obesity 2013

RELATED PROFESSIONAL EXPERIENCES

Guest Speaker - *"Interval Training and Molecular Mechanism Linked with the Cognition in Obese Population"*
6to Simposio Internacional de Tópicos Avanzados en Fisiología del Ejercicio. Ensenada, Mexico
International Brain Research Organization - Universidad Autónoma de Baja Califórnia October 2022

Guest Speaker - *"Cognitive function in individuals with obesity: impact of aerobic training"* São Paulo, SP, Brazil
I Metting of Nutritional supplementation, performance and immune system. September 2019
School of Physical Education and Sport - University of Sao Paulo (USP)

Guest Lecturer Presidente Prudente, Brazil
Center for Continuing Higher Education (Grupo CESC)

- *Nutrition and Sports Training* February 2023
- *Physical Education to Special Population* October 2022
- *Sports Training* July 2022

Guest Editor 2021
FRONTIERS IN NUTRITION
Research Topic: ***"****Challenges for Obesity in the 21st Century: Psychology, Nutrition, Modern Lifestyle Behavior and Neuroendocrine Responses"*

Journal Peer Reviewer

Obesity Review	2024
Cellular and Molecular Neurobiology	2023
Archives Physical Medicine and Rehabilitation	2023
Mediators of Inflammation	2016
Diabetology & Metabolic Syndrome	2015

OTHER PROFESSIONAL EXPERIENCES

Exercise Physiologist – Cardiopulmonary, force and body composition assessment at Center of Studies in Psychobiology and Exercise (CEPE) of Sao Paulo Federal University. — Sao Paulo, Brazil 2006-2008

Exercise Physiologist – Cardiopulmonary, force and body composition assessment at Monday Gym — Sao Paulo, Brazil 2006-2008

Swimming and Water-based Activities Instructor – from babies to elderly people at Start Fitness Gym — Sao Paulo, Brazil 2000-2006