

CURRICULUM VITAE

Personal Information		
First Name:	Fabrizio	
Last Name:	Cardoso	
Professional Title/Position:	Post-doctoral student	
Highest Degree:	Doctorate	
Affiliation:	Department/Division:	Laboratory of Neuroanatomy & Neuropsychobiology, Department of Pharmacology
	University/Institute:	School of Medicine of Ribeirão Preto of the University of São Paulo
	City:	Ribeirão Preto
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Educational Qualifications: He has a Master's degree (2016) and PhD (2021) in Biomedical Engineering from the University of Mogi das Cruzes. In 2020, he did a sandwich PhD at the University of Texas at Austin, USA. He is currently a postdoctoral fellow at the Department of Pharmacology, School of Medicine of Ribeirão Preto, University of São Paulo (FMRP-USP).		
Professional Experience: Special interest in cellular and molecular mechanisms of photobiomodulation in the central nervous system. Has experience in Physiology,		

Cellular and Molecular Biology, Non-pharmacological therapies for brain aging, Health and Neurosciences.

Academic Achievements / Publications:

Serra, F. T., Cardoso, F. D. S., Petraconi, N., Dos Santos, J. C. C., Araujo, B. H. S., Arida, R. M., Gomes da Silva, S. (2022). Resistance exercise improves learning and memory and modulates hippocampal metabolomic profile in aged rats. *Neuroscience Letters*, 766, 136322.

Cardoso, F. D. S., Dos Santos, J. C. C., Gonzalez-Lima, F., Araujo, B. H. S., Lopes-Martins, R. A. B., Gomes da Silva, S. (2021). Effects of Chronic Photobiomodulation with Transcranial Near-Infrared Laser on Brain Metabolomics of Young and Aged Rats. *Molecular Neurobiology*, 58(5), 2256-2268.

Cardoso, F. D. S., Tavares, C. D. S. O., Araujo, B. H. S., Mansur, F., Lopes-Martins, R. A. B., Gomes da Silva, S. (2021). Improved Spatial Memory And Neuroinflammatory Profile Changes in Aged Rats Submitted to Photobiomodulation Therapy. *Cellular and Molecular Neurobiology*, 1-12.

Cardoso, F. D. S., Gonzalez-Lima, F., Gomes da Silva, S. (2021). Photobiomodulation for the aging brain. *Ageing Research Reviews*, 70, 101415.

Cardoso, F. D. S., Mansur, F. C. B., Lopes-Martins, R. Á. B., Gonzalez-Lima, F., Gomes da Silva, S. (2021). Transcranial Laser Photobiomodulation Improves Intracellular Signaling Linked to Cell Survival, Memory and Glucose Metabolism in the Aged Brain: A Preliminary Study. *Frontiers in Cellular Neuroscience*, 351.

de Melo, A. S. L. F., Lima, J. L. D., Malta, M. C. S., Marroquim, N. F., Moreira, Á. R., de Almeida Ladeia, I., Cardoso, F. D. S., Dos Santos, J. C. C. (2021). The role of microglia in prion diseases and possible therapeutic targets: a literature review. *Prion*, 15(1), 191-206.

Cardoso, F. D. S., Mansur, F., Araújo, B., Gonzalez-Lima, F., Gomes da Silva, S. (2021). Photobiomodulation Improves the Inflammatory Response and Intracellular Signaling Proteins Linked To Vascular Function and Cell Survival in the Brain of Aged Rats.

Cardoso, F. D. S., Martins, R. Á. B. L., Gomes da Silva, S. (2020). Therapeutic Potential of Photobiomodulation In Alzheimer's Disease: A Systematic Review. *Journal of Lasers in Medical Sciences*, 11(Suppl 1), S16.

Serra, F. T., Carvalho, A. D., Araujo, B. H. S., Torres, L. B., Cardoso, F. D. S., Henrique, J. S., Gomes da Silva, S. (2019). Early exercise induces long-lasting morphological changes in cortical and hippocampal neurons throughout of a sedentary period of rats. *Scientific reports*, 9(1), 1-11.

Henrique, J. S., França, E. F., Cardoso, F. D. S., Serra, F. T., de Almeida, A. A., Fernandes, J., Gomes da Silva, S. (2018). Cortical and hippocampal expression of inflammatory and intracellular signaling proteins in aged rats submitted to aerobic and resistance physical training. *Experimental gerontology*, 110, 284-290.

Cardoso, F. D. S., França, E. F., Serra, F. T., Victorino, A. B., de Almeida, A. A., Fernandes, J., Gomes da Silva, S. (2017). Aerobic exercise reduces hippocampal ERK and p38 activation and improves memory of middle-aged rats. *Hippocampus*, 27(8), 899-905.

Article accepted for publication:

Cardoso, FDS., Barrett, D. W., Wade, Z., Gomes da Silva, S., Gonzalez-Lima, F. (2022). Photobiomodulation of cytochrome c oxidase by chronic transcranial laser in young and aged brains. *Frontiers in Neuroscience*. In press

