List of Publications:

Celia R. S. Garcia, PhD
Professor

1. SCARPELLI, P.; ALMEIDA, G.T.; VIÇOSO, K. L.; LIMA, W. R.; PEREIRA, L. B.; MEISSNER, K. A.; WRENGER, C.; RAFAELLO, A.; RIZZUTO, R.; POZZAN, T.; **GARCIA, C.R.S.** Melatonin activates FIS1, DYN1 and DYN2 *Plasmodium falciparum* genes for mitochondria fission mitoemerald-GFP as a tool to visualize mitochondria structure. J Pineal Res. jpi.12484. 2019

2. PECENIN, M.F.; BORGES-PEREIRA, L.; LEVANO GARCIA, J.; BUDU, A.; ALVES E.; MIKOSHIBA K.; THOMAS A.; **GARCIA, C.R.S.** Blocking IP3 signal transduction pathways inhibits melatonin-induced Ca^{2+} signals and impairs *P. falciparum* development and proliferation in erythrocytes. Cell Calcium 72:81-90, 2018.

3. SCARPELLI, P.; CURRA, C.; **GARCIA, C.R.S.** Ubiquitin Proteasome System as a Potential Drug Target for Malaria. Current Topic in Medicinal Chemistry 18(5):315-320, 2018.

4. AGUIAR, A.; PANCIERA, M.; SANTOS, E.; SINGH, M.; GARCIA, M.; SOUZA, M.; NAKABASHI, M.; COSTA, J.; **GARCIA, C.R.S.**; OLIVA, G.; CORREA, R.; GUIDO, R. Discovery of Marinoquinolines as Potent and Fast-Acting *Plasmodium falciparum* Inhibitors with In Vivo Activity. J. Med Chem. 61(13):5547-5568, 2018.

5. LEE, A.H.L.; DHINGRA, S. K.; LEWIS, IAN A.; SINGH, M.K.; SIRIWARDANA, A.D.; SEEMA M.; RUBIANO, K.; KLEIN, M.S.; BASKA, K.S.; SANJEEV, K.; MICHAEL, K.; ROEPE, P.D.; LLINÁS, M.; **GARCIA, C.R.S.**; FIDOCK, D.A. Evidence for Regulation of Hemoglobin Metabolism and Intracellular Ionic Flux by the *Plasmodium falciparum* Chloroquine Resistance Transporter. Scientific Reports, v. 8, p. 1-13, 2018.

6. SIDEN-KIAMOS, I; PACE,T; KLONIZAKIS, A.; NARDINI, M.; **GARCIA, C.R.S.**; CURRÀ, C. Identification of *Plasmodium berghei* Oocyst Rupture Protein 2 (ORP2) domains involved in sporozoite egress from the oocyst. INTERNATIONAL JOURNAL FOR PARASITOLOGY, v. 7519, p. 30247-30249, 2018.

7. MORAES, M.S.; BUDU, A.; SINGH, M.K.; BORGES-PEREIRA, L.; LEVANO-GARCIA, J.; CURRÀ, C.; PICCI, L.; PACE, T.; PONZI, M.; POZZAN, T.; **GARCIA, C.R.S.** *Plasmodium*

falciparum GPCR-like receptor SR25 mediates extracellular K^+ sensing coupled to Ca^{2+} signaling and stress survival. Scientific Reports, v. 7, p. 1-13, 2017.

8. **GARCIA, C.R.S.**; ALVES, E.; PEREIRA, P.H.S.; BARLETT, P.J.; THOMAS, A.; MIKOSHIBA, K.; PLATTNER, H.; SIBLEY, L.D. $InsP_3$ Signaling in Apicomplexan Parasites. Current Topics in Medicinal Chemistry (Print), v. 17, p. 1-1, 2017.

9. PEREIRA, L. B.; MEISSNER, K. A.; WRENGER, C.; **GARCIA, C.R.S.** *Plasmodium falciparum* GFP-E-NTPDase expression at the intraerythrocytic development stages and its inhibition blocks RBCs invasion by the human malaria parasite. Purinergic Signalling, v. 17, p. 1-11, 2017.

10. AGUIAR, A.C.; SOUSA, L. R. F.; **GARCIA, C. R. S.**; OLIVA, G.; GUIDO, RAFAEL V. C. New Molecular Targets and Strategies for Antimalarial Discovery. CURRENT MEDICINAL CHEMISTRY, v. 1, p. 1-10, 2017.

11. LIMA, W.R.; MARTINS, D.C.; PARREIRA K.S.; SCARPELLI. P.; MORAES, M.S.; TOPALIS, P.; HASCHIMOTO, R.F.; **GARCIA, C.R.S.** Genome-wide analysis of the human malaria parasite *Plasmodium falciparum* transcription factor PfNF-YB shows interaction with CCAATT motif. Oncotarget. Dec 9;8(69):113987, 2017.

12. SODERO, A.C.R.; ABRAHIM-VIEIRA, B.; TORRES, P.H.M.; PASCUTTI, P.G.; **GARCIA, C. R. S.**; FERREIRA, V.F.; ROCHA, D.R.; FERREIRA, S.B.; SILVA-JR, F.P. Insights into cytochrome bc1 complex binding mode of antimalarial 2-hydroxi-1,4-naphthoquinones through molecular modelling. Memórias do instituto Oswaldo Cruz v. 112, p. 299-308, 2017.

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- Comment on the article GAZARINI, M.L.; THOMAS, A; POZZAN, T; **GARCIA, C.R.S.** Calcium signaling in a low calcium environment: how the intracellular malaria parasite solves the problem. The Journal of Cell Biology, v. 161, p. 103-110, 2003. Editorial of The Journal of Cell Biology, v. 161, p.17-19, 2003.

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