PUBLICAÇÕES DOS DOCENTES DO DEPARTAMENTO DE BIOQUÍMICA

JANEIRO E FEVEREIRO DE 2019

1.	Almeida VM, Marana SR. Optimum temperature may be a misleading parameter in enzyme characterization and application PLoS ONE 14(2): e0212977. doi.org/10.1371/journal.pone.0212977 https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0212977
2.	Alves JM, Martins AH, Lameu C, Glaser T, Boukli NM, Bassaneze V, Dariolli R, Nascimento IC, Martins PCM, de Souza HDN, Krieger JE, Casarini DE, Sales VM, Pesquero JB, Ulrich H. Kinin-B2 Receptor Activity in Skeletal Muscle Regeneration and Myoblast Differentiation. Stem Cell Rev. 2019 Feb;15(1):48-58. doi: 10.1007/s12015-018-9850-9. https://www.ncbi.nlm.nih.gov/pubmed/30338498
3.	Augusto O, Goldstein S, Hurst JK, Lind J, Lymar SV, Merenyi G, Radi R. Carbon Dioxide-catalyzed peroxynitrite reactivity - The Resilience of the radical mechanism after two decades of research. Free Radic Biol Med. 2019 Feb 25;135:210-215. doi: 10.1016/j.freeradbiomed.2019.02.026. https://www.ncbi.nlm.nih.gov/pubmed/30818056
4.	Bagatini MD, Bertolin K, Bridi A, Pelinson LP, da Silva Rosa Bonadiman B, Pillat MM, Gonçalves PBD, Ulrich H, Schetinger MRC, Morsch VM. 1α, 25-Dihydroxyvitamin D3 alters ectonucleotidase expression and activity in human cutaneous melanoma cells. J Cell Biochem. 2018 Dec 11. doi: 10.1002/jcb.28281. https://www.ncbi.nlm.nih.gov/pubmed/30548323
5.	Bottari NB, Pillat MM, Schetinger MRC, Reichert KP, Machado V, Assmann CE, Ulrich H, Dutra A, Morsch VM, Vidal T, Da Cruz IBM, Melazzo C, Da Silva AS. Resveratrol-mediated reversal of changes in purinergic signaling and immune response induced by Toxoplasma gondii infection of neural progenitor cells. Purinergic Signal. 2018 Dec 8. doi: 10.1007/s11302-018-9634-3. [Epub ahead of print] https://www.ncbi.nlm.nih.gov/pubmed/30535987
6.	Carneiro-Lobo TC, Scalabrini LC, Magalhães LS, Cardeal LB, Rodrigues FS, Santos EO, Baldwin AS, Levantini E, Giordano RJ, Bassères DS. IKKβ targeting reduces KRAS-induced lung cancer angiogenesis in vitro and in vivo: A potential anti-angiogenic therapeutic target

	doi.org/10.1016/j.lungcan.2019.02.027 https://www.sciencedirect.com/science/article/pii/S0169500219303435?dgcid=author
7.	Cauz ACG, Carretero GPB, Saraiva GKV, Park P, Mortara L, Cuccovia IM, Brocchi M, Gueiros-Filho FJ. Violacein Targets the Cytoplasmic Membrane of Bacteria. ACS Infect. Dis., Article ASAP. DOI: 10.1021/acsinfecdis.8b00245 https://pubs.acs.org/doi/10.1021/acsinfecdis.8b00245
8.	da Silva DGH, Chaves NA, Miyamoto S, de Almeida EA. Prolonged erythrocyte auto-incubation as an alternative model for oxidant generation system. Toxicol In Vitro. 2019 Apr; 56:62-74. doi: 10.1016/j.tiv.2019.01.006. https://www.ncbi.nlm.nih.gov/pubmed/30654084
9.	Di Mascio P, Martinez GR, Miyamoto S, Ronsein GE, Medeiros MHG, Cadet J . Singlet Molecular Oxygen Reactions with Nucleic Acids, Lipids, and Proteins. Chem. Rev., 2019, 119 (3), pp 2043–2086. DOI: 10.1021/acs.chemrev.8b00554 https://pubs.acs.org/doi/10.1021/acs.chemrev.8b00554
10.	Dias RO, Cardoso C, Leal CS, Ribeiro AF, Ferreira C, Terra WR. Domain structure and expression along the midgut and carcass of peritrophins and cuticle proteins analogous to peritrophins in insects with and without peritrophic membrane. J Insect Physiol. 2019 Feb 5. pii: S0022-1910(18)30445-1. doi: 10.1016/j.jinsphys.2019.02.002. https://www.ncbi.nlm.nih.gov/pubmed/30735683
11.	Ferreira JCB, Campos JC, Qvit N, Qi X, Bozi LHM, Bechara LRG, Lima VM, Queliconi BB, Disatnik MH, Dourado PMM, Kowaltowski AJ, Mochly-Rosen D. A selective inhibitor of mitofusin 1-βIIPKC association improves heart failure outcome in rats. Nat Commun. 2019 Jan 18;10(1):329. doi: 10.1038/s41467-018-08276-6. https://www.ncbi.nlm.nih.gov/pubmed/30659190
12.	Friedmann Angeli JP, Miyamoto S, Schulze A. Ferroptosis: The Greasy Side of Cell Death. Chem Res Toxicol. 2019 Mar 18;32(3):362-369. doi: 10.1021/acs.chemrestox.8b00349. https://www.ncbi.nlm.nih.gov/pubmed/30653290
13.	Glaser T, Arnaud Sampaio VF, Lameu C, Ulrich H. Calcium signalling: A common target in neurological disorders and neurogenesis.

	Semin Cell Dev Biol. 2018 Dec 13. pii: S1084-9521(18)30068-5. doi: 10.1016/j.semcdb.2018.12.002. https://www.ncbi.nlm.nih.gov/pubmed/30529426
14.	Kakimoto PA, Chausse B, Caldeira da Silva CC, Donato Júnior J, Kowaltowski AJ. Resilient hepatic mitochondrial function and lack of iNOS dependence in diet-induced insulin resistance. PLoS One. 2019 Feb 4;14(2):e0211733. doi: 10.1371/journal.pone.0211733. eCollection 2019. https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0211733
15.	Kakimoto PA, Chausse B, da Silva CCC, Júnior JD, Kowaltowski AJ Resilient hepatic mitochondrial function and lack of iNOS dependence in diet-induced insulin resistance. doi.org/10.1371/journal.pone.0211733 https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0211733
16.	Kawahara R, Rosa-Fernandes L, Dos Santos AF, Bandeira CL, Dombrowski JG, Souza RM, Da Fonseca MP, Festuccia WT, Labriola L, Larsen MR, Marinho CRF, Palmisano G. Integrated Proteomics Reveals Apoptosis-related Mechanisms Associated with Placental Malaria. Mol Cell Proteomics. 2019 Feb;18(2):182-199. doi: 10.1074/mcp.RA118.000907 https://www.ncbi.nlm.nih.gov/pubmed/30242111
17.	Kowaltowski AJ, Oliveira MF. Plan S: Unrealistic capped fee structure. Science. 2019 Feb 1;363(6426):461. doi: 10.1126/science.aaw5815. No abstract available. http://science.sciencemag.org/content/363/6426/461.1
18.	Kowaltowski AJ. Strategies to detect mitochondrial oxidants. Redox Biol. 2019 Feb;21:101065. doi: 10.1016/j.redox.2018.101065. https://www.ncbi.nlm.nih.gov/pubmed/30576921
19.	Luévano-Martínez, LA, Caldeira CC, Nicastro GG, Schumacher RI, Kowaltowski AJ, Gomes SL. Mitochondrial alternative oxidase is determinant for growth and sporulation in the early diverging fungus *Blastocladiella emersonii* Fungal Biology 123 (2019) 59e65. Doi.org/10.1016/j.funbio.2018.11.005 https://www.sciencedirect.com/science/article/pii/S1878614618301296

20.	Menezes-Filho SL, Amigo I, Luévano-Martínez LA, Kowaltowski AJ. Fasting promotes functional changes in liver mitochondria. Biochim Biophys Acta Bioenerg. 2019 Feb 1;1860(2):129-135. doi: 10.1016/j.bbabio.2018.11.017. https://www.ncbi.nlm.nih.gov/pubmed/30465749
21.	Mombaerts L, Carignano A, Robertson FR, Hearn TJ, Junyang J, Hayden D, Rutterford Z, Hotta CT, Hubbard KE, Martí Ruiz MC, Yuan Y, Hannah MA, Gonçalves J, Webb AA. Dynamical Differential Expression (DyDE) Reveals the Period Control Mechanisms of the Arabidopsis Circadian Oscillator. PLOS Computational biology. Doi.org/10.1371/journal.pcbi.1006674 https://journals.plos.org/ploscompbiol/article?id=10.1371/journal.pcbi.1006674
22.	Monteiro LF, Forti FL. Network analysis of DUSP12 partners in the nucleus under genotoxic stress. J Proteomics. 2019 Apr 15;197:42-52. doi: 10.1016/j.jprot.2019.02.008. https://www.ncbi.nlm.nih.gov/pubmed/30779967
23.	Oliveira TE, Castro É, Belchior T, Andrade ML, Chaves-Filho AB, Peixoto AS, Moreno MF, Ortiz-Silva M, Moreira RJ, Inague A, Yoshinaga MY, Miyamoto S, Moustaid-Moussa N, Festuccia WT. Fish Oil Protects Wild Type and Uncoupling Protein 1-Deficient Mice from Obesity and Glucose Intolerance by Increasing Energy Expenditure. Mol Nutr Food Res. 2019 Jan 11:e1800813. doi: 10.1002/mnfr.201800813. https://www.ncbi.nlm.nih.gov/pubmed/30632684
24.	Pelinson LP, Assmann CE, Palma TV, da Cruz IBM, Pillat MM, Mânica A, Stefanello N, Weis GCC, de Oliveira Alves A, de Andrade CM, Ulrich H, Morsch VMM, Schetinger MRC, Bagatini MD. Antiproliferative and apoptotic effects of caffeic acid on SK-Mel-28 human melanoma cancer cells. Mol Biol Rep. 2019 Feb 4. doi: 10.1007/s11033-019-04658-1. https://www.ncbi.nlm.nih.gov/pubmed/30719606
25.	Pereira-Leite C, Lopes-de-Campos D, Fontaine P, Cuccovia IM, Nunes C, Reis S. Licofelone-DPPC Interactions: Putting Membrane Lipids on the Radar of Drug Development. Molecules. 2019 Jan 31;24(3). pii: E516. doi: 10.3390/molecules24030516. https://www.ncbi.nlm.nih.gov/pubmed/30709010
26.	Ribeiro DE, Glaser T, Oliveira-Giacomelli Á, Ulrich H.

	Purinergic receptors in neurogenic processes. Brain Res Bull. 2018. pii: S0361-9230(18)30690-7. doi: 10.1016/j.brainresbull.2018.12.013. https://www.ncbi.nlm.nih.gov/pubmed/30593881
27.	Rohani L, Johnson AA, Naghsh P, Rancourt DE, Ulrich H, Holland H. Concise Review: Molecular Cytogenetics and Quality Control: Clinical Guardians for Pluripotent Stem Cells. Stem Cells Transl Med. 2018 Dec;7(12):867-875. doi: 10.1002/sctm.18-0087. Epub 2018 Sep 14. Review. https://www.ncbi.nlm.nih.gov/pubmed/30218497
28.	Santana CG, da Silva OA, Filho HJI, Barbosa JCS, Politi MJ, Triboni ER. MICROWAVE IRRADIATION SYNTHESIS OF 4-SULFO-1,8-NAPHTHALIMIDE IN Zn(OAc)2/EtOH-H2O Journal of Chemical Technology and Metallurgy, 54, 2, 2019, 260-265 https://www.sciencedirect.com/topics/chemistry/microwave-irradiation
29.	Saraiva GKV, de Souza VV, Oliveira LC, Noronha MLC, Masini JC, Chaimovich H, Salinas RK, Florenzano FH, Cuccovia IM. Characterization of PMMA-b-PDMAEMA aggregates in aqueous solutions. Colloid and Polymer Science, 1-13 (2019). DOI: 10.1007/s00396-019-04482-w https://www.researchgate.net/publication/330765149_Characterization_of_PMMA-b-PDMAEMA_aggregates_in_aqueous_solutions
30.	Tang FHF, Staquicini FI, Teixeira AAR, Michaloski JS, Namiyama GM, Taniwaki NN, Setubal JC, da Silva AM, Sidman RL, Pasqualini R, Arap W, Giordano RJ. A ligand motif enables differential vascular targeting of endothelial junctions between brain and retina. Proc Natl Acad Sci U S A. 2019 Feb 5;116(6):2300-2305. doi: 10.1073/pnas.1809483116. https://www.ncbi.nlm.nih.gov/pubmed/30670660
31.	Terra LF, Wailemann RAM, Dos Santos AF, Gomes VM, Silva RP, Laporte A, Meotti FC, Terra WR, Palmisano G, Lortz S, Labriola L. Heat shock protein B1 is a key mediator of prolactin-induced beta-cell cytoprotection against oxidative stress. Free Radic Biol Med. 2019 Jan 27;134:394-405. doi: 10.1016/j.freeradbiomed.2019.01.023. https://www.ncbi.nlm.nih.gov/pubmed/30699366
32.	Tofoli FA, Semeano ATS, Oliveira-Giacomelli Á, Gonçalves MCB, Ferrari MFR, Veiga Pereira L, Ulrich H. Midbrain Dopaminergic Neurons Differentiated from Human-Induced Pluripotent Stem Cells.

	Methods Mol Biol. 2019;1919:97-118. doi: 10.1007/978-1-4939-9007-8_8. https://www.ncbi.nlm.nih.gov/pubmed/30656624
33.	Vieira JM, Gutierres JM, Carvalho FB, Stefanello N, Oliveira L, Cardoso AM, Morsch VM, Pillat MM, Ulrich H, Duarte MMF, Schetinger MRC, Spanevello RM. Caffeine and high intensity exercise: Impact on purinergic and cholinergic signalling in lymphocytes and on cytokine levels. Biomed Pharmacother. 2018 Dec;108:1731-1738. doi: 10.1016/j.biopha.2018.10.006. Epub 2018 Oct 12. https://www.ncbi.nlm.nih.gov/pubmed/30372876
34.	Vieira MS, Goulart VAM, Parreira RC, Oliveira-Lima OC, Glaser T, Naaldijk YM, Ferrer A, Savanur VH, Reyes PA, Sandiford O, Rameshwar P, Ulrich H, Pinto MCX, Resende RR. Decoding epigenetic cell signaling in neuronal differentiation. Semin Cell Dev Biol. 2019. pii: S1084-9521(18)30054-5. doi:10.1016/j.semcdb.2018.12.006. https://www.ncbi.nlm.nih.gov/pubmed/30578863

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