PUBLICAÇÕES DOS DOCENTES DO DEPARTAMENTO DE BIOQUÍMICA – 2019

1.	Alencar RR, Batalha CMPF, Freire TS, Souza-Pinto NC. Enzymology of mitochondrial DNA Repair. The Enzymes, Epub ahead of print, https://doi.org/10.1016/bs.enz.2019.06.002 https://www.sciencedirect.com/science/article/pii/S1874604719300022
2.	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
3.	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
4.	Amann RI, Baichoo S, Blencowe BJ, Bork P, Borodovsky M, Brooksbank C, Chain PSG, Colwell RR, Daffonchio DG, Danchin A, de Lorenzo V, Dorrestein PC, Finn RD, Fraser CM, Gilbert JA, Hallam SJ, Hugenholtz P, Ioannidis JPA, Jansson JK, Kim JF, Klenk HP, Klotz MG, Knight R, Konstantinidis KT, Kyrpides NC, Mason CE, McHardy AC, Meyer F, Ouzounis CA, Patrinos AAN, Podar M, Pollard KS, Ravel J, Muñoz AR, Roberts RJ, Rosselló-Móra R, Sansone SA, Schloss PD, Schriml LM, Setubal JC, Sorek R, Stevens RL, Tiedje JM, Turjanski A, Tyson GW, Ussery DW, Weinstock GM, White O, Whitman WB, Xenarios I. Towards unrestricted usage of public genomic data. Science. 2019 Jan 25;363(6425):350-352. doi: 10.1126/science.aaw1280. https://www.ncbi.nlm.nih.gov/pubmed/30679363
5.	Antunes VU, Llontop EE, Vasconcelos FNDC, López de Los Santos Y, Oliveira RJ, Lincopan N, Farah CS, Doucet N, Mittermaier A, Favaro DC. Importance of the β5−β6 Loop for the Structure, Catalytic Efficiency, and Stability of the Carbapenem-Hydrolyzing Class D β-lactamase Subfamily OXA-143. Biochemistry. 2019 Aug 27;58(34):3604-3616. doi: 10.1021/acs.biochem.9b00365. https://www.ncbi.nlm.nih.gov/pubmed/31355630
6.	Armelin-Correa LM, Malnic B. Capturing genome folds in single sensory neurons.

	Nat Struct Mol Biol. (2019) 26(4):254-255. DOI:10.1038/s41594-019-0212-3 https://www.nature.com/articles/s41594-019-0212-3
7.	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
8.	Bagatini MD, Bertolin K, Bridi A, Pelinson LP, Bonadiman BSR, 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. 2019 Jun;120(6):9992-10000. doi: 10.1002/jcb.28281. Epub 2018 Dec 11. https://pubmed.ncbi.nlm.nih.gov/30548323/
9.	Baptista MS, Alves MJM, Arantes GM, Armelin HA, Augusto O, Baldini RL, Basseres DS, Bechara EJH, Bruni-Cardoso A, Chaimovich H, Colepicolo Neto P, Colli W, Cuccovia IM, Da-Silva AM, Di Mascio P, Farah SC, Ferreira C, Forti FL, Giordano RJ, Gomes SL, Gueiros Filho FJ, Hoch NC, Hotta CT, Labriola L, Lameu C, Machini MT, Malnic B, Marana SR, Medeiros MHG, Meotti FC, Miyamoto S, Oliveira CC, Souza-Pinto NC, Reis EM, Ronsein GE, Salinas RK, Schechtman D, Schreier S, Setubal JC, Sogayar MC, Souza GM, Terra WR, Truzzi DR, Ulrich H, Verjovski-Almeida S, Winck FV, Zingales B, Kowaltowski AJ. Where do we aspire to publisch? A position paper on scientific communiction in bioche Braz J Med Biol Res vol.52 no.9 Ribeirão Preto 2019 Epub Aug 29, 2019. Doi: 10.1590/1414-431X20198935 http://www.scielo.br/scielo.php?script=sci_arttext&pid=S0100-879X2019000900401
10.	Bayer-Santos E, Cenens W, Matsuyama BY, Oka GU, Di Sessa G, Mininel IDV, Alves TL, Farah CS. The opportunistic pathogen Stenotrophomonas maltophilia utilizes a type IV secretion system for interbacterial killing. PLoS Pathog. 2019 Sep 12;15(9):e1007651. doi: 10.1371/journal.ppat.1007651. https://www.ncbi.nlm.nih.gov/pubmed/31513674
11.	Bayer-Santos E, Ceseti LM, Farah CS, Alvarez-Martinez CE. Distribution, Function and Regulation of Type 6 Secretion Systems of Xanthomonadales. Front Microbiol. 2019 Jul 17;10:1635. doi: 10.3389/fmicb.2019.01635. https://www.ncbi.nlm.nih.gov/pubmed/31379785

12.	Begcy K, Mariano ED, Lembke CG, Zingaretti SM, Souza GM, Araújo P, Menossi M. Overexpression of an evolutionarily conserved drought-responsive sugarcane gene enhances salinity and drought resilience Annals of Botany, Volume 124, Issue 4, 13 September 2019, Pages 691–700, https://doi.org/10.1093/aob/mcz044 https://academic.oup.com/aob/advance-article/doi/10.1093/aob/mcz044/5498180
13.	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. 2019 Mar;15(1):77-84. doi: 10.1007/s11302-018-9634-3. Epub 2018 Dec 8. https://www.ncbi.nlm.nih.gov/pubmed/30535987
14.	Brazuna LP, Tabuti TG, Silva AP, Tada DB, Politi MJ, Bacani R, Triboni ER. Effect of lithium and sodium ions on the size and morphology of ZnO nanoparticles synthesized by a glycerol–urea route New Journal of Chemistry. DOI: 10.1039/c9nj04331d https://pubs.rsc.org/en/content/articlelanding/2019/nj/c9nj04331d#!divAbstract
15.	Camargo AP, Nakahara TS, Firmino LER, Netto PHM, Nascimento JPB, Donnard ER, Galante PAF, Carazzolle MA, Malnic B, Papes F. Uncovering the Mouse Olfactory Long Non-Coding Transcriptome With a Novel Machine-Learning Model DNA Res. 2019 Aug 1;26(4):365-378. doi: 10.1093/dnares/dsz015. https://pubmed.ncbi.nlm.nih.gov/31321403/
16.	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 Lung Cancer. Volume 130, April 2019, Pages 169-178 doi.org/10.1016/j.lungcan.2019.02.027 https://www.sciencedirect.com/science/article/abs/pii/S0169500219303435?dgcid=author
17.	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
18.	Ceseti LM, de Santana ES, Ratagami CY, Barreiros Y, Lima LDP, Dunger G, Farah CS, Alvarez-Martinez CE. The Xanthomonas citri pv. citri Type VI Secretion System is Induced During Epiphytic Colonization of Citrus. Curr Microbiol. 2019 Oct;76(10):1105-1111. doi: 10.1007/s00284-019-01735-3. https://www.ncbi.nlm.nih.gov/pubmed/31289847
19.	Chausse B, Kakimoto PA, Caldeira-da-Silva CC, Chaves-Filho AB, Yoshinaga MY, da Silva RP, Miyamoto S, Kowaltowski AJ. Distinct metabolic patterns during microglial remodeling by oleate and palmitate. Biosci Rep. 2019 Apr 5;39(4). pii: BSR20190072. doi: 10.1042/BSR20190072. https://www.ncbi.nlm.nih.gov/pubmed/30867255
20.	Chimienti G, Pesce V, Fracasso F, Russo F, de Souza-Pinto NC, Bohr VA, Lezza AMS. Deletion of OGG1 results in a differential signature of oxidized purine base damage in mtDNA regions. Int J Mol Sci. 2019 Jul 5;20(13). pii: E3302. doi: 10.3390/ijms20133302. https://www.ncbi.nlm.nih.gov/pubmed/31284385
21.	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
22.	de Araujo CB, Heimann AS, Remer RA, Russo LC, Colquhoun A, Forti FL, Ferro ES. Intracellular Peptides in Cell Biology and Pharmacology. Biomolecules. 2019 Apr 16;9(4). pii: E150. doi: 10.3390/biom9040150. https://www.mdpi.com/2218-273X/9/4/150
23.	de Souza Moraes A, Brum DG, Ierich JCM, Higa AM, Assis ASJ, Miyazaki CM, Shimizu FM, Peroni LA, Machini MT, Barreira AA, Ferreira M, Oliveira ON Jr, Leite FL. A highly specific and sensitive nanoimmunosensor for the diagnosis of neuromyelitis optica spectrum disorders. Sci Rep. 2019 Nov 6;9(1):16136. doi: 10.1038/s41598-019-52506-w. https://www.ncbi.nlm.nih.gov/pubmed/31695085
24.	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
25.	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.*201911932043-2086. https://doi.org/10.1021/acs.chemrev.8b00554 https://pubs.acs.org/doi/10.1021/acs.chemrev.8b00554
26.	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 Apr;114:1-9. doi: 10.1016/j.jinsphys.2019.02.002. https://www.ncbi.nlm.nih.gov/pubmed/30735683
27.	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
28.	Diniz AL, Ferreira SS, ten-Caten F, Margarido GRA, Santos JM, Barbosa GVS, Carneiro MS, Souza GM. Genomic resources for energy cane breeding in the post genomics era Computational and Structural Biotechnology Journal. Volume 17, 2019, Pages 1404-1414 https://www.sciencedirect.com/science/article/pii/S2001037019303502
29.	Diniza AL, Ferreira SS, Caten F, Margarido GRA, Santos JM, Barbosa GVS, Carneiro MS, Souza FM. Genomic resources for energy cane breeding in the post genomics era Computational and Structural Biotechnology Journal Volume 17, 2019, Pages 1404-1414 https://www.sciencedirect.com/science/article/pii/S2001037019303502
30.	Ertuzun T, Semerci A, Cakir ME, Ekmekcioglu A, Gok MO, Soltys DT, de Souza-Pinto NC, Sezerman U, Muftuoglu M. Investigation of base excision repair gene variants in late-onset Alzheimer's disease. PLoS One. 2019 Aug 15;14(8):e0221362. doi: 10.1371/journal.pone.0221362. eCollection 2019. https://www.ncbi.nlm.nih.gov/pubmed/31415677

31.	Fachi JL, Felipe JS, Pral LP, da Silva BK, Corrêa RO, de Andrade MCP, da Fonseca DM, Basso PJ, Câmara NOS, de Sales E Souza ÉL, Dos Santos Martins F, Guima SES, Thomas AM, Setubal JC, Magalhães YT, Forti FL, Candreva T, Rodrigues HG, de Jesus MB, Consonni SR, Farias ADS, Varga-Weisz P, Vinolo MAR. Butyrate protects mice from Clostridium difficile-induced colitis through a HIF-1 dependent mechanism. *Cell Reports*, Volume 27, Issue 3, 16 April 2019, Pages 750-761.e7 https://www.ncbi.nlm.nih.gov/pubmed/30995474
32.	Falaschi RL, Amaral DT, Santos I, Domingos AHR, Johnson GA, Martins AGS, Viroomal IB, Pompéia SL, Mirza JD, Oliveira AG, Bechara EJH, Viviani VR, Stevani CV. Neoceroplatus betaryiensis nov. sp. (Diptera: Keroplatidae) is the first record of a bioluminescent fungus-gnat in South America Scientific Reports volume 9, Article number: 11291. https://www.nature.com/articles/s41598-019-47753-w
33.	Feitosa-Junior, O.R., Stefanello, E., Zaini, P.A., Nascimento, R., Pierry, P.M., Dandekar, A.M., Lindow, S.E. & da Silva, A.M. Proteomic and metabolomic analyses of Xylella fastidiosa OMV-enriched fractions reveal association with virulence factors and signaling molecules of the DSF family. Phytopathology. 2019 Apr 11. doi: 10.1094/PHYTO-03-19-0083-R. https://www.ncbi.nlm.nih.gov/pubmed/30973310
34.	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
35.	Fracasso M, Bottari NB, da Silva AD, Grando TH, Pillat MM, Ulrich H, Vidal T, de Andrade CM, Monteiro SG, Nascimento LFN, Miletti LC, Schafer da Silva A. Effects of resveratrol on the differentiation fate of neural progenitor cells of mouse embryos infected with Trypanosoma cruzi. Microb Pathog. 2019 Apr 25;132:156-161. doi: 10.1016/j.micpath.2019.04.040. https://www.ncbi.nlm.nih.gov/pubmed/31029718

36.	Franco de Oliveira T, Falcão de Oliveira AA, Lemos M, Veras M, Saldiva PHN, Gennari de Medeiros MH, Di Mascio P, de Melo Loureiro AP. Quantification of three DNA Lesions by Mass Spectrometry and Assessment of Their Levels in Tissues of Mice Exposed to Ambient Fine Particulate Matter J Vis Exp. 2019 May 29;(147). doi: 10.3791/59734. https://www.ncbi.nlm.nih.gov/pubmed/31205313
37.	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
38.	Fuzita FJ, Pimenta DC, Palmisano G, Terra WR, Ferreira C. Detergent-resistant domains in Spodoptera frugiperda midgut microvillar membranes and their relation to microapocrine secretion Volume 235, September 2019, Pages 8-18. doi.org/10.1016/j.cbpb.2019.05.008 https://www.sciencedirect.com/science/article/pii/S1096495919301046
39.	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
40.	Glezer I, Malnic B. Olfactory receptor function. Handb Clin Neurol. 2019;164:67-78. doi: 10.1016/B978-0-444-63855-7.00005-8. https://pubmed.ncbi.nlm.nih.gov/31604564/
41.	Guarischi-Sousa R, Monteiro JS, Alecrim LC, Michaloski JS, Cardeal LB, Ferreira EN, Carraro DM, Nunes DN, Dias-Neto E, Reimand J, Boutros PC, Setubal JC, Giordano RJ. A Transcriptome-Based Signature of Pathological Angiogenesis Predicts Breast Cancer Patient Survival PLoS Genet. 2019 Dec 17;15(12):e1008482. doi: 10.1371/journal.pgen.1008482. eCollection 2019 Dec. https://www.ncbi.nlm.nih.gov/pubmed/31846472

42.	Higa AM, Mambrini GP, Ierich JCM, Garcia PS, Scramin JA, Peroni LA, Okuda-Shinagawa NM, Teresa Machini M, Trivinho-Strixino F, Leite FL. Peptide-Conjugated Silver Nanoparticle for Autoantibody Recognition. J Nanosci Nanotechnol. 2019 Dec 1;19(12):7564-7573. doi: 10.1166/jnn.2019.16734 https://www.ncbi.nlm.nih.gov/pubmed/31196262
43.	Higa AM, Mambrini GP, Ierich JCM, Garcia PS, Scramin JA, Peroni LA, Okuda-Shinagawa NM, Teresa Machini M, Trivinho-Strixino F, Leite FL. Peptide-Conjugated Silver Nanoparticle for Autoantibody Recognition. J Nanosci Nanotechnol. 2019 Dec 1;19(12):7564-7573. doi: 10.1166/jnn.2019.16734. https://www.ncbi.nlm.nih.gov/pubmed/31196262
44.	JV Cabral-Costa, AJ Kowaltowski Neurological disorders and mitochondria Molecular Aspects of Medicine, 2019. doi.org/10.1016/j.mam.2019.10.003 https://www.sciencedirect.com/science/article/pii/S0098299719301001
45.	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
46.	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
47.	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

48.	Kevin Begcy, Eduardo D Mariano, Carolina G Lembke, Sonia Marli Zingaretti, Glaucia M Souza, Pedro Araújo, Marcelo Menossi Overexpression of an evolutionarily conserved drought-responsive sugarcane gene enhances salinity and drought resilience Annals of Botany, Volume 124, Issue 4, 13 September 2019, Pages 691–700, https://doi.org/10.1093/aob/mcz044 https://academic.oup.com/aob/article/124/4/691/5498180
49.	King A, Hoch NC, McGregor NE, Sims NA, Smyth IM, Heierhorst J. Dynll1 is essential for development and promotes endochondral bone formation by regulating intraflagellar Dynein function in primary cilia. Hum Mol Genet. 2019 Apr 22. pii: ddz083. doi: 10.1093/hmg/ddz083. https://www.ncbi.nlm.nih.gov/pubmed/31009951
50.	Kowaltowski AJ, Menezes-Filho SL, Assali EA, Gonçalves IG, Cabral-Costa JV, Abreu P, Miller N, Nolasco P, Laurindo FRM, Bruni-Cardoso A, Shirihai OS. Mitochondrial morphology regulates organellar Ca2+ uptake and changes cellular Ca2+ homeostasis FASEB J. 2019 Dec;33(12):13176-13188.. Doi.org/10.1096/fj.201901136R https://www.fasebj.org/doi/10.1096/fj.201901136R
51.	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
52.	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
53.	Lima TI, Guimarães DSPSF, Oliveira AG, Araujo H, Sponton CHG, Souza-Pinto NC, Saito Â, Figueira ACM, Palameta S, Bajgelman MC, Calixto A, Pinto S, Mori MA, Orofino J, Perissi V, Mottis A, Auwerx J, Silveira LR. Opposing action of NCoR1 and PGC1-a in mitochondrial redox homeostasis. Free Radic Biol Med. 2019 Aug 10;143:203-208. doi: 10.1016/j.freeradbiomed.2019.08.006.

	https://www.ncbi.nlm.nih.gov/pubmed/31408725
54.	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
55.	Macedo-Raygoza GM, Valdez-Salas B, Prado FM, Prieto KR, Yamaguchi LF, Kato MJ, Canto-Canché BB, Carrillo-Beltrán M, Di Mascio P, White JF, Beltrán-García MJ. Enterobacter cloacae, an Endophyte That Establishes a Nutrient-Transfer Symbiosis With Banana Plants and Protects Against the Black Sigatoka Pathogen. Front Microbiol. 2019 May 7;10:804. doi: 10.3389/fmicb.2019.00804. eCollection 2019. https://www.ncbi.nlm.nih.gov/pubmed/31133991
56.	Maciel LF, Morales-Vicente DA, Silveira GO, Ribeiro RO, Olberg GGO, Pires DS, Amaral MS, Verjovski-Almeida S. Weighted Gene Co-Expression Analyses Point to Long Non-Coding RNA Hub Genes at Different Schistosoma mansoni Life-Cycle Stages Front Genet. 2019 Sep 12;10:823. https://www.ncbi.nlm.nih.gov/pubmed/31572441
57.	Marcelino L, Puppin-Rontani J, Coutte F, Machini MT, Etchegaray A, Puppin-Rontani RM. Surfactin application for a short period (10/20 s) increases the surface wettability of sound dentin. Amino Acids. 2019 Aug;51(8):1233-1240. doi: 10.1007/s00726-019-02750-1. Epub 2019 Jun 13. https://www.ncbi.nlm.nih.gov/pubmed/31197572
58.	Martinez-Rodriguez A, Macedo-Raygoza G, Huerta-Robles AX, Reyes-Sepulveda I, Lozano-Lopez J, García-Ochoa EY, Fierro-Kong L, Medeiros MHG, Di Mascio P, WhiteJr JF, Beltran-Garcia MJ. Agave Seed Endophytes: Ecology and Impacts on Root Architecture, Nutrient Acquisition, and Cold Stress Tolerance Springer Nature Switzerland AG 2019. Seed Endophytes pp 139-170. https://link.springer.com/chapter/10.1007/978-3-030-10504-4_8

59.	Mattos EC, Canuto G, Manchola NC, Magalhães RDM, Crozier TWM, Lamont DJ, Tavares MFM, Colli W, Ferguson MAJ, Alves MJM. Reprogramming of *Trypanosoma cruzi* metabolism triggered by parasite interaction with the host cell extracellular matrix. PLoS Negl Trop Dis. 2019 Feb 6;13(2):e0007103. doi: 10.1371/journal.pntd.0007103. https://www.ncbi.nlm.nih.gov/pubmed/30726203
60.	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
61.	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
62.	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
63.	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
64.	Park P, Franco LR, Chaimovich H, Coutinho K, Cuccovia IM, Lima FS. Binding and Flip as Initial Steps for BP-100 Antimicrobial Actions. Sci Rep. 2019 Jun 13;9(1):8622. doi: 10.1038/s41598-019-45075-5.

	https://www.ncbi.nlm.nih.gov/pubmed/31197199
65.	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
66.	Pereira ASA, Silveira GO, Amaral MS, Almeida SMV, Oliveira JF, Lima MCA, Verjovski-Almeida S. In Vitro Activity of Aryl-Thiazole Derivatives Against Schistosoma Mansoni Schistosomula and Adult Worms PLoS One. 2019 Nov 25;14(11):e0225425 https://www.ncbi.nlm.nih.gov/pubmed/31765429
67.	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
68.	Pizzolato-Cezar LR, Okuda-Shinagawa NM, Machini MT. Combinatory Therapy Antimicrobial Peptide-Antibiotic to Minimize the Ongoing Rise of Resistance Front. Microbiol., 09 August 2019 | https://doi.org/10.3389/fmicb.2019.01703 https://www.frontiersin.org/articles/10.3389/fmicb.2019.01703/full
69.	Ramadan E, Maged M, El Hosseiny A, Chambergo F, Setubal JC, Dorry HE. Molecular adaptations of bacterial mercuric reductase to the hypersaline Kebrit Deep in the Red Sea. Applied and Environmental Microbiology, 85(4):e01431-18, 2019. https://aem.asm.org/content/85/4/e01431-18.abstract
70.	Ramos PL, Kondo MY, Santos SMB, de Vasconcellos SP, Rocha RCS, da Cruz JB, Eugenio PFM, Cabral H, Juliano MA, Juliano L, Setubal JC, da Silva AM, Cappelini LTD. A tropical composting operation unit at São Paulo Zoo as a source of bacterial proteolytic enzymes. Appl Biochem Biotechnol. 2019 Jan;187(1):282-297. doi: 10.1007/s12010-018-2810-7. https://www.ncbi.nlm.nih.gov/pubmed/29936594

71.	Ratajczak MZ, Mack A, Bujko K, Domingues A, Pedziwiatr D, Kucia M, Ratajczak J, Ulrich H, Kucharska-Mazur J, Samochowiec J. ATP-Nlrp3 Inflammasome-Complement Cascade Axis in Sterile Brain Inflammation in Psychiatric Patients and its Impact on Stem Cell Trafficking. Stem Cell Rev. 2019 Apr 24. doi: 10.1007/s12015-019-09888-1. https://www.ncbi.nlm.nih.gov/pubmed/31020518
72.	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
73.	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
74.	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
75.	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
76.	Sgro GG, Oka GU, Souza DP, Cenens W, Bayer-Santos E, Matsuyama BY, Bueno NF, dos Santos TR, Alvarez-Martinez CE, Salinas RK, Farah CS Bacteria-Killing Type IV Secretion Systems.

	Front. Microbiol., 21 May 2019. https://doi.org/10.3389/fmicb.2019.01078 https://www.frontiersin.org/articles/10.3389/fmicb.2019.01078/full
77.	Silva NM, de Oliveira AMSA, Pegorin S, Giusti CE, Ferrari VB, Barbosa D, Martins LF, Morais C, Setubal JC, Vasconcellos SP, da Silva AM, de Oliveira JCF, Pascon RC , Niero CV. Characterization of novel hydrocarbon-degrading Gordonia paraffinivorans and Gordonia sihwensis strains isolated from composting. PLoS ONE 14 (4): e0215396. doi.org/10.1371/journal.pone.0215396 https://www.ncbi.nlm.nih.gov/pubmed/30998736
78.	Silva NM, de Oliveira AMSA, Pegorin S, Giusti CE, Ferrari VB, Barbosa D, Martins LF, Morais C, Setubal JC Vasconcellos SP, da Silva AM, de Oliveira JCF, Pascon RC, Viana-Niero C. Characterization of novel hydrocarbon-degrading Gordonia paraffinivorans and Gordonia sihwensis strains isolated from composting. PLoS One. 2019 Apr 18;14(4):e0215396. doi: 10.1371/journal.pone.0215396. eCollection 2019. https://www.ncbi.nlm.nih.gov/pubmed/30998736
79.	Souza GM, Van Sluys MA, Lembke CG, Lee H, Margarido GRA, Hotta CT, Gaiarsa JW, Diniz AL, Oliveira MM, Ferreira SS Nishiyama MSJ, ten-Caten F, Ragagnin GT, Andrade PM, Souza RF, Nicastro GG, Pandya R, Kim C, Guo H, Durham AM , Carneiro MS, Zhang J, Zhang X, Zhang Q, Ming R, Schatz MC, Davidson B, Paterson AH, Heckerman D. Assembly of the 373k gene space of the polyploid sugarcane genome reveals reservoirs of functional diversity in the world's leading biomass crop GigaScience, Volume 8, Issue 12, December 2019, giz129 https://academic.oup.com/gigascience/article/8/12/giz129/5647371
80.	Souza GM, Van Sluys MA, Lembke CG, Lee H, Margarido GRA, Hotta CT, Gaiarsa JW, Diniz AL, Oliveira MM, Ferreira SS, Nishiyama MY, ten-Caten F, Ragagnin GT, Andrade PM, de Souza RF, Nicastro GC, Pandya R, Kim C, Guo H, Durham AM, Carneiro MS, Zhang J, Zhang X, Zhang Q, Ming R, Schatz MC, Davidson B, Paterson AH, Heckerman D. Assembly of the 373k gene space of the polyploid sugarcane genome reveals reservoirs of functional diversity in the world's leading biomass crop. GigaScience, Volume 8, Issue 12, December 2019, giz129. Doi.org/10.1093/gigascience/giz129 https://academic.oup.com/gigascience/article/8/12/giz129/5647371
81.	Stanley CP, Maghzal GJ, Ayer A, Talib J, Giltrap AM, Shengule S, Wolhuter K, Wang Y, Chadha P, Suarna C, Prysyazhna O, Scotcher J, Dunn LL, Prado FM, Nguyen N, Odiba JO, Baell JB, Stasch JP, Yamamoto Y, Di Mascio P, Eaton P, Payne RJ, Stocker R.

	Singlet molecular oxygen regulates vascular tone and blood pressure in inflammation Nature. 2019 Feb;566(7745):548-552. doi: 10.1038/s41586-019-0947-3. Epub 2019 Feb. 13. https://www.ncbi.nlm.nih.gov/pubmed/30760924
82.	Stanley CP, Maghzal GJ, Ayer A, Talib J, Giltrap AM, Shengule S, Wolhuter K, Wang Y, Chadha P, Suarna C, Prysyazhna O, Scotcher J, Dunn LL, Prado FM, Nguyen N, Odiba JO, Baell JB, Stasch JP, Yamamoto Y, Di Mascio P, Eaton P, Payne RJ, Stocker R; Singlet molecular oxygen regulates vascular tone and blood pressure in inflammation *Nature* volume 566, pages548–552 (2019) https://www.nature.com/articles/s41586-019-0947-3
83.	Staquicini FI, Smith TL, Tang FHF, Gelovani JG, Giordano RJ, Libutti SK, Sidman RL, Cavenee WK, Arap W, Pasqualini R. Targeted AAVP-based therapy in a mouse model of human glioblastoma: a comparison of cytotoxic versus suicide gene delivery strategies. Cancer Gene Ther. 2019 May 27. doi: 10.1038/s41417-019-0101-2. https://www.ncbi.nlm.nih.gov/pubmed/31130731
84.	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
85.	Tasso TT, Schlothauer JC, Junqueira HC, Matias TA, Araki K, Liandra-Salvador É, Antonio FCT, Homem-de-Mello P, Baptista MS. Photobleaching Efficiency Parallels the Enhancement of Membrane Damage for Porphyrazine Photosensitizers J Am Chem Soc. 2019 Oct 2;141(39):15547-15556. doi: 10.1021/jacs.9b05991. https://www.ncbi.nlm.nih.gov/pubmed/31490678
86.	Teixeira MH, Arantes GM. Effects of lipid composition on membrane distribution and permeability of natural quinones. RSC Adv., 2019, 9, 16892-16899. DOI: 10.1039/C9RA01681C

	https://pubs.rsc.org/en/content/articlehtml/2019/RA/C9RA01681C
87.	Teixeira MH, Arantes GM. Effects of lipid composition on membrane distribution and permeability of natural quinones https://pubs.rsc.org/en/content/articlelanding/2019/ra/c9ra01681c#!divAbstract
88.	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
89.	Terra WR, Barroso IG, Dias RO, Ferreira C. Molecular physiology of insect midgut Advances in Insect Physiology. Volume 56, 2019, Pages 117-163. doi.org/10.1016/bs.aiip.2019.01.004 https://www.sciencedirect.com/science/article/abs/pii/S0065280619300049
90.	Terra WR, Dias RO, Ferreira C. Recruited lysosomal enzymes as major digestive enzymes in insects. Biochem Soc Trans. 2019 Apr 30;47(2):615-623. doi: 10.1042/BST20180344. https://www.ncbi.nlm.nih.gov/pubmed/30902923
91.	Thomas AM, Manghi P, Asnicar F, Pasolli E, Armanini F, Zolfo m, Beghini F, Manara S, Karcher N, Pozzi C, Gandini S, Serrano D, Tarallo S, FrancavillaA, Gallo C, Trompetto M , Ferrero G, Mizutani S, Shiroma H, ShibaS, Shibata T, Yachida S, Yamada T, Wirbel J, Schrotz-KingP, Ulrich CM, Brenner H, Arumugam M, Bork P, Zeller G, Cordero F, Dias-Neto E, Setubal J, Tett A, Pardini B, Rescigno M, Waldron L, Naccarati A, Segata N. Metagenomic Analysis of Colorectal Cancer Datasets Identifies Cross-Cohort Microbial Diagnostic Signatures and a Link With Choline Degradation Nat Med. 2019 Apr;25(4):667-678. doi: 10.1038/s41591-019-0405-7. Epub 2019 Apr 1. https://pubmed.ncbi.nlm.nih.gov/30936548/
92.	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
93.	Trindade S, Nogueira L, Souza G. Relevance of LACAf biofuels for global sustainability Biofuels, DOI: 10.1080/17597269.2019.1679566 https://www.mendeley.com/catalogue/relevance-lacaf-biofuels-global-sustainability/
94.	Trindade S; Nogueira L; Souza G Relevance of LACAf biofuels for global sustainability Biofuels (2019). https://www.mendeley.com/catalogue/relevance-lacaf-biofuels-global-sustainability/
95.	Trojanowski B, Salem HH, Neubauer H, Simon E, Wagner M, Dorajo R, Boehm BO, Labriola L, Wirth T, Baumann B. Elevated β-cell stress levels promote severe diabetes development in mice with MODY4 J Endocrinol. 2019 Nov 1. pii: JOE-19-0208.R1. doi: 10.1530/JOE-19-0208. https://www.ncbi.nlm.nih.gov/pubmed/31682591
96.	Truzzi DR, Augusto O, Ford PC. Thiyl radicals are co-products of dinitrosyl iron complex (DNIC) formation. Chem Commun (Camb). 2019 Aug 11;55(62):9156-9159. doi: 10.1039/c9cc04454j. https://www.ncbi.nlm.nih.gov/pubmed/31304495
97.	Truzzi DR, Augusto O, Iretskii AV, Ford PC. Dynamics of Dinitrosyl Iron Complex (DNIC) Formation with Low Molecular Weight Thiols *Inorg. Chem.* 2019, 58, 19, 13446-13456. DOI:org/10.1021/acs.inorgchem.9b02338 https://pubs.acs.org/doi/10.1021/acs.inorgchem.9b02338
98.	Truzzi DR, Fernando R Coelho FR, Paviani V, Alves SV, Netto LES, Augusto O. The Bicarbonate/Carbon Dioxide Pair Increases Hydrogen Peroxide-Mediated Hyperoxidation of Human Peroxiredoxin 1 J Biol Chem. 2019 Sep 20;294(38):14055-14067 https://www.ncbi.nlm.nih.gov/pubmed/31366734

99.	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
100.	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

LIVRO

Rebeca Bacani, Fabiane Trindade, Mario Jose Politi, Eduardo Rezende Triboni.
Nano Design for Smart Gels, 1st Edition; Elsevier
https://www.elsevier.com/books/nano-design-to-smart-gels/triboni/978-0-12-814825-9

OUTRAS PUBLICAÇÕES

Glaucia M. Souza: Commercializing Conventional and Advanced Transport Biofuels from Biomassand Other Renewable Feedstocks

http://task39.sites.olt.ubc.ca/files/2019/05/IEA-Bioenergy-Task-39-Newsletter-Issue-51-Final-Draft-Brazil-1.pdf