

List of Publications:

1. Silva JL, Cino EA, Soares IN, Ferreira VF, A P de Oliveira G (2018) Targeting the Prion-like Aggregation of Mutant p53 to Combat Cancer. *Acc Chem Res*. 2018 Jan16;51(1):181-190. doi: 10.1021/acs.accounts.7b00473. Epub 2017 Dec 20.
2. Marques MA, Pinto JR, Moraes AH, Iqbal A, de Magalhães MT, Monteiro J, Pedrote MM, Sorenson MM, Silva JL, de Oliveira GA (2017). Allosteric Transmission along a Loosely Structured Backbone Allows a Cardiac Troponin C Mutant to Function with Only One Ca(2+) Ion. *J Biol Chem*. 2017 Feb 10;292(6):2379-2394. doi:10.1074/jbc.M116.765362.
3. Ferraz da Costa DC, Fialho E, Silva JL. Cancer Chemoprevention by Resveratrol: The p53 Tumor Suppressor Protein as a Promising Molecular Target. *Molecules*. 2017 Jun 18;22(6). pii: E1014. doi: 10.3390/molecules22061014. Review.
4. Kovachev PS, Banerjee D, Rangel LP, Eriksson J, Pedrote MM, Martins-Dinis MMDC, Edwards K, Cordeiro Y, Silva JL, Sanyal S (2017). Distinct modulatory role of RNA in the aggregation of the tumor suppressor protein p53 core domain. *J Biol Chem*. 2017 Jun 2;292(22):9345-9357. doi: 10.1074/jbc.M116.762096.
5. Carvalho CAM, Silva JL, Oliveira AC, Gomes AMO (2017). On the entry of an emerging arbovirus into host cells: Mayaro virus takes the highway to the cytoplasm through fusion with early endosomes and caveolae-derived vesicles. *PeerJ*. 2017 Apr 27;5:e3245. doi: 10.7717/peerj.3245. eCollection 2017.
6. Dumard CH, Barroso SPC, Santos ACV, Alves NS, Couceiro JNSS, Gomes AMO, Santos PS, Silva JL, Oliveira AC (2017). Stability of different influenza subtypes: How can high hydrostatic pressure be a useful tool for vaccine development? *Biophys Chem*. 2017 Apr 6. pii: S0301-4622(17)30018-2. doi: 10.1016/j.bpc.2017.04.002.
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8. de Oliveira GA, Silva JL (2017). The push-and-pull hypothesis in protein unfolding, misfolding and aggregation. *Biophys Chem*. 2017 Mar 29. pii: S0301-4622(17)30023-6. doi: 10.1016/j.bpc.2017.03.007.
9. Costa DC, de Oliveira GA, Cino EA, Soares IN, Rangel LP, Silva JL (2016) Aggregation and Prion-Like Properties of Misfolded Tumor Suppressors: Is Cancer a Prion Disease? *Cold Spring Harb Perspect Biol*. 2016 Oct 3; 8(10). pii: a023614. doi:10.1101/cshperspect.a023614.
10. Silva JL, Cordeiro Y (2016) The "Jekyll and Hyde" Actions of Nucleic Acids on the Prion-like Aggregation of Proteins. *J Biol Chem*. 2016 Jul 22;291(30):15482-90. doi: 10.1074/jbc.R116.733428.
11. de Oliveira GAP, Marques MA, Cruzeiro-Silva C, Cordeiro Y, Schuabb C, Moraes AH, Winter R, Oschkinat H, Foguel D, Freitas MS, Silva JL (2016) Structural basis for the dissociation of α -synuclein fibrils triggered by pressure perturbation of the hydrophobic core. *Sci Rep*, 2016 Nov 30; 6: 37990. doi: 10.1038/srep37990
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Patents:

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Use of hydrostatic pressure to inhibit and reverse protein aggregation and facilitate protein

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