

Journalbeiträge

1. Blum D, Herrera F, Francelle L, Mendes T, Basquin M, Obriot H, Demeyer D, Sergeant N, Gerhardt E, Brouillet E, Buée L, Outeiro TF (2015) Mutant huntingtin alters Tau phosphorylation and subcellular distribution. *HUM MOL GENET* 24(1): 76-85, doi: 10.1093/hmg/ddu421
2. Breda C, Nugent ML, Estranero JG, Kyriacou CP, Outeiro TF, Steinert JR, Giorgini F (2015) Rab11 modulates α -synuclein-mediated defects in synaptic transmission and behaviour. *HUM MOL GENET* 24(4): 1077-91, doi: 10.1093/hmg/ddu521
3. Chen X, Wales P, Quinti L, Zuo F, Moniot S, Herisson F, Rauf NA, Wang H, Silverman RB, Ayata C, Maxwell MM, Steegborn C, Schwarzschild MA, Outeiro TF, Kazantsev AG (2015) The sirtuin-2 inhibitor AK7 is neuroprotective in models of Parkinson's disease but not amyotrophic lateral sclerosis and cerebral ischemia. *PLOS ONE* 10(1): e0116919, doi: 10.1371/journal.pone.0116919
4. Dučić T, Carboni E, Lai B, Chen S, Michalke B, Lázaro DF, Outeiro TF, Bähr M, Barski E, Lingor P (2015) Alpha-Synuclein Regulates Neuronal Levels of Manganese and Calcium. *ACS CHEM NEUROSCI* 6(10): 1769-79, doi: 10.1021/acschemneuro.5b00093
5. Ferreira DG, Batalha VL, Vicente Miranda H, Coelho JE, Gomes R, Gonçalves FQ, Real JI, Rino J, Albino-Teixeira A, Cunha RA, Outeiro TF, Lopes LV (2015) Adenosine A2A Receptors Modulate α -Synuclein Aggregation and Toxicity. *CEREB CORTEX* -: -, doi: 10.1093/cercor/bhv268
6. Gomes P, Outeiro TF, Cavadas C (2015) Emerging Role of Sirtuin 2 in the Regulation of Mammalian Metabolism. *TRENDS PHARMACOL SCI* 36(11): 756-68, doi: 10.1016/j.tips.2015.08.001
7. Guerreiro PS, Gerhardt E, Lopes da Fonseca T, Bähr M, Outeiro TF, Eckermann K (2015) LRRK2 Promotes Tau Accumulation, Aggregation and Release. *MOL NEUROBIOL* -: -, doi: 10.1007/s12035-015-9209-z
8. Krey L, Lühder F, Kusch K, Czech-Zechmeister B, Könnecke B, Fleming Outeiro T, Trendelenburg G (2015) Knockout of silent information regulator 2 (SIRT2) preserves neurological function after experimental stroke in mice. *J CEREBR BLOOD F MET* 35(12): 2080-8, doi: 10.1038/jcbfm.2015.178
9. Lopes da Fonseca T, Villar-Piqué A, Outeiro TF (2015) The Interplay between Alpha-Synuclein Clearance and Spreading. *Biomolecules* 5(2): 435-71, doi: 10.3390/biom5020435
10. Macedo D, Tavares L, McDougall GJ, Vicente Miranda H, Stewart D, Ferreira RB, Tenreiro S, Outeiro TF, Santos CN (2015) (Poly)phenols protect from α -synuclein toxicity by reducing oxidative stress and promoting autophagy. *HUM MOL GENET* 24(6): 1717-32, doi: 10.1093/hmg/ddu585
11. Mbefo MK, Fares MB, Paleologou K, Oueslati A, Yin G, Tenreiro S, Pinto M, Outeiro T, Zweckstetter M, Masliah E, Lashuel HA (2015) Parkinson disease mutant E46K enhances α -synuclein phosphorylation in mammalian cell lines, in yeast, and in vivo. *J BIOL CHEM* 290(15): 9412-27, doi: 10.1074/jbc.M114.610774
12. Menezes R, Tenreiro S, Macedo D, Santos CN, Outeiro TF (2015) From the baker to the bedside: yeast models of Parkinson's disease. *Microbial Cell* -: -, doi: 10.15698/mic2015.08.219
13. Moree B, Yin G, Lázaro DF, Munari F, Strohäker T, Giller K, Becker S, Outeiro TF, Zweckstetter M, Salafsky J (2015) Small Molecules Detected by Second-Harmonic Generation Modulate the Conformation of Monomeric α -Synuclein and Reduce Its Aggregation in Cells. *J BIOL CHEM* 290(46): 27582-93, doi: 10.1074/jbc.M114.636027
14. Nunes P, Morais GR, Palma E, Silva F, Oliveira MC, Ferreira VFC, Mendes F, Gano L, Vicente Miranda H, Outeiro TF, Santos I, Paulo A (2015) Isostructural Re(I)/(99m)Tc(I) tricarbonyl complexes for cancer theranostics. *ORG BIOMOL CHEM* 13(18): 5182-94, doi: 10.1039/c5ob00124b
15. Oliveira LMA, Falomir-Lockhart LJ, Botelho MG, Lin KH, Wales P, Koch JC, Gerhardt E, Taschenberger H, Outeiro TF, Lingor P, Schüle B, Arndt-Jovin DJ, Jovin TM (2015) Elevated α -synuclein caused by SNCA gene triplication impairs neuronal differentiation and maturation in Parkinson's patient-derived induced pluripotent stem cells. *CELL DEATH DIS* 6: e1994, doi: 10.1038/cddis.2015.318
16. Poças GM, Branco-Santos J, Herrera F, Outeiro TF, Domingos PM (2015) α -Synuclein modifies mutant huntingtin aggregation and neurotoxicity in *Drosophila*. *HUM MOL GENET* 24(7): 1898-907, doi: 10.1093/hmg/ddu606
17. Saal KA, Koch JC, Tatenhorst L, Szegő EM, Ribas VT, Michel U, Bähr M, Tönges L, Lingor P (2015) AAV.shRNA-mediated downregulation of ROCK2 attenuates degeneration of dopaminergic neurons in toxin-induced models of Parkinson's disease in vitro and in vivo. *NEUROBIOL DIS* 73: 150-62, doi: 10.1016/j.nbd.2014.09.013
18. Sanchez de Groot N, Gomes RA, Villar-Piqué A, Babu MM, Coelho AV, Ventura S (2015) Proteome response at the edge of protein aggregation. *OPEN BIOL* 5(2): 140221, doi: 10.1098/rsob.140221
19. Villar-Piqué A, da Fonseca TL, Outeiro TF (2015) Structure, function and toxicity of alpha-synuclein: the Bermuda triangle in synucleinopathies. *J NEUROCHEM* -: -, doi: 10.1111/jnc.13249
20. Vreja IC, Nikić I, Göttfert F, Bates M, Kröhnert K, Outeiro TF, Hell SW, Lemke EA, Rizzoli SO (2015) Super-resolution Microscopy of Clickable Amino Acids Reveals the Effects of Fluorescent Protein Tagging on Protein Assemblies. *ACS NANO* 9(11): 11034-41, doi: 10.1021/acs.nano.5b04434

Naturwiss. u.a. nichtmed. Diss.

1. da Silva Guerreiro P, Dr. rer. med. (2015) The role of LRRK2 in Parkinson's disease: from function to dysfunction. Dissertation Universität Lisabon.
2. Eisbach S, Dr. rer. nat. (2015) The interplay between α -synuclein and Rab GTPases: Insights into the molecular basis of synucleinopathies. Dissertation Universität Göttingen.