

Maria Doitsidou Publication list

<https://scholar.google.no/citations?user=6abeQQ8AAAAJ&hl=en>

1. Romanelli-Credrez L, **Doitsidou M**, Alkema MJ, Salinas G. HIF-1 Has a Central Role in *Caenorhabditis elegans* Organismal Response to Selenium. **Front Genet.** 2020 Feb 25;11:63
2. Goya, ME, Xue, F, Sampedro-Torres-Quevedo, C, Arnaouteli, S, Riquelme-Dominguez, L, **Romanowski, A**, Brydon, J, Ball, K, Stanley-Wall, NR, and **Doitsidou, M**. *Bacillus subtilis prevents and reverses α -synuclein aggregation in C. elegans.* **Cell Reports.** 2020 Jan 14;30(2):367-380
3. **Doitsidou M**, Hobert O. New alleles of the lin-22/Hairy bHLH transcription factor. **MicroPubl Biol.** 2019 Apr 19;2019:10.17912/micropub.biology.000111. doi: 10.17912/micropub.biology.000111.
4. **Doitsidou M**, Minevich G, Kroll JR, Soete G, Gowtham S, Korswagen HC, Sebastiaan van Zon J, Hobert O. A *Caenorhabditis elegans* Zinc Finger Transcription Factor, *ztf-6*, Required for the Specification of a Dopamine Neuron-Producing Lineage. **G3 (Bethesda).** 2018 Jan 4;8(1):17-26
5. Katsanos D, Koneru SL, Mestek Boukhibar L, Gritti N, Ghose R, Appleford PJ, **Doitsidou M**, Woollard A, van Zon JS, Poole RJ, Barkoulas M. Stochastic loss and gain of symmetric divisions in the *C. elegans* epidermis perturbs robustness of stem cell number. **PLoS Biol.** 2017 Nov 6;15(11):e2002429
6. **Doitsidou, M**, Jarriault, S[✉]. & Poole, RJ[✉]. Next-generation sequencing-based approaches for mutation mapping and identification in *C. elegans*. 1 Oct 2016 (Wormbook methods) **Genetics.** 204, 2, p. 451-474.
7. Bénard, C. & **Doitsidou, M**. *Nervous System Ageing.* 7 Dec 2016. Springer, p. 163-189 10.1007/978-3-319-44703-2_82016
8. Nagarajan A, Ning Y, Reisner K, Larsen JP, Hobert O*, **Doitsidou M***. Progressive degeneration of dopaminergic neurons through TRP channel-induced cell death. **J Neuroscience.** 2014 Apr 23;34(17): 5738-46
9. **Doitsidou M***[✉], Flames N*[✉], Topalidou N, Abe N, Felton T, Remesal L, Popovitchenko T, Mann R, Chalfie M and Hobert O[✉]. A combinatorial regulatory signature controls terminal differentiation of the dopaminergic nervous system in *C. elegans*. **Genes and Development.** 2013 Jun 15;27(12):1391-405.
10. Boldajipour B*, **Doitsidou M***, Tarbashevich* K, Laguri C, Yu SR, Ries J, Dumstrei K, Thelen S, Dörries J, Messerschmidt EM, Thelen M, Schwillle P, Brand M, Lortat-Jacob H, Raz E. *Cxcl12 evolution – subfunctionalization of a ligand through altered interaction with the chemokine receptor.* **Development.** 2011 Jul;138(14):2909-14.
11. **Doitsidou M**[✉], Poole JR, Sarin S, Bigelow H and Hobert O[✉]. *C. elegans mutant identification with a one-step Whole-Genome-Sequencing and SNP mapping strategy.* **PLoS ONE.** 2010 Nov 8;5(11):e15435.
12. Sarin S, Bertrand V, Bigelow H, Boyanov A, **Doitsidou M**, Poole R, Narula S and Hobert O. Analysis of EMS-mutagenized *C. elegans* strains by whole genome sequencing. **Genetics.** 2010 Jun;185(2):417-30.
13. Bigelow H, **Doitsidou M**, Sarin S, Hobert O. MAQGene: software to facilitate *C. elegans* mutant genome sequence analysis. **Nature Methods.** 2009 Aug;6(8):549.
14. **Doitsidou M**[✉], Flames N, Lee AC, Boyanov A, Hobert O. Automated screening for mutants affecting dopaminergic neuron specification in *C. elegans*. **Nature Methods.** 2008 Oct;5(10):869-72.
15. Thorpe JL*, **Doitsidou M***, Ho SY, Raz E and Farber SA. *Germ Cell Migration in Zebrafish Is Dependent on HMGCoA Reductase Activity and Prenylation.* **Developmental Cell.** 2004 Feb;6(2):295-302.
16. **Doitsidou M**, Reichman-Fried M, Stebler J, Köprunner M, Dörries J, Meyer D, Esguerra VC, Leung T and Raz E. Guidance of primordial germ cell migration by the chemokine SDF-1. **Cell** 2002 Nov 27;111(5):647-59.